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

Project Information

Project Name: Rehabilitación de la Plaza de los Próceres de Gurabo and Remodelación de aceras alrededor de la Plaza de los Próceres de Gurabo (PR-CRP-000549 and PR-CRP-000559, respectively)

Responsible Entity: Puerto Rico Department of Housing (PRDOH)

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

State/Local Identifier: Puerto Rico

Preparer: Annette M. Fernandez Rosario (Statutory checklist and supporting documents); Anil Desa (Environmental Assessment factors and supporting documents)

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

Project Location: 18.25557500, -65.97238475; Angel C. Morales St., San Jose St., Eugenio Sánchez Lopez St., and PR-943 (Plaza); Lago St., Matías Gonzalez St., Angel C. Morales St., PR-943, San Jose St., Juan R. Quinones St., Eugenio Sánchez Lopez St., Santiago, St., and PR-189 (Sidewalks), Gurabo, Puerto Rico, 00778. The plaza cadaster is 200-075-023-01. The rest of the project is on sidewalks which do not have cadaster numbers.

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

The Municipality of Gurabo proposes the revitalization of the Public Town Square and the reconstruction of the existing sidewalks, curbs, and gutters of several streets around the Plaza, namely PR-189, Juan R. Quinones St., Lago St., Matias Gonzalez St., PR-943 (Santiago Street), Eugenio Sanchez Lopez St., San Jose St., and Angel C. Morales St . The Plaza is bordered by Angel C. Morales St. on the north side, Eugenio Sanchez Lopez St. on the south, PR-943 (Santiago Street) on the west, and the San Jose St. on the east. It has a footprint of approximately 5,006.8 square meters. The project will increase the footprint by approximately 0.9% to 5,393.77 square meters. The sidewalks, curbs and gutters project will be performed inside the streets' right of way . The whole project will impact an area of approximately 34,799 m2 (8.5991 acres).

The proposed Plaza project aims to accomplish the following: establish a unique and signature landmark vision for the Plaza; enhance the connection as a place of gathering, social interaction, and other opportunities to attract and engage users; provide for lighting improvement, signage, pedestrian access, and landscape elements; seating and benches restoration or replacement, as needed; flooring repairs or replacement; patching and painting; redesign parking spaces orientation to improve and maximize amount of spaces; metal railings restoration or replacement; construction of a small new trellis to match existing; installation of braille pedestals; refurbishing of existing sculptures; enhance and create facilities for pedestrians; ADA accessibility compliance from surrounding areas such as streets, sidewalks, and others.

The proposed sidewalks, curbs, and gutters project aims to improve the sidewalks within the Próceres Public Plaza that extend from Calle Lago to PR-189, and from Calle Matías González to Calle Juan R Quiñones, Gurabo, Puerto Rico. All works will be on sidewalks, curbs and gutters inside the right of way of the existing streets; increase in size or capacity is not expected on this project.

Ground disturbance activities associated with the Plaza project will include trench excavations (maximum depth less than 3 ft (36 in)) for electric conduits and storm sewer pipes installation; demolition of asphalt pavement (4 inches max.); and removal of existing floor pavers and base reparation, where applicable.

Demolition works will include demolition of existing sidewalks, curbs, pavement, and primary streets (in the areas the Plaza will expand) around the Gurabo Public Plaza. Stairs, raised planters, and walls in

the Plaza will be demolished. The Plaza's existing floor tiles will be removed and replaced. The project will also include the removal of the existing mobiliary. Lamps will be replaced in the existing posts (some will remain, and others will be removed and relocated). During Construction, existing trees and sculptures within the public plaza will be protected, as they will remain at the Plaza. An existing kiosk, Domino house and Taxi station will also remain. Stormwater drains will be removed inside the Plaza and an existing stormwater drain outside the Plaza will remain in place.

Construction works include installation of EV charging stations, redesign of parking spaces, preparation of an area with a pad for a future playground, preparation of area for a future stage, construction of a new kiosk with potable and sanitary water and electric connections. The slab of the Plaza will be finished with different hardscape floors. Braille pedestals will be located in corners of the Plaza and green areas will be refurbished. New urban mobiliary, including benches, bleachers, bike racks and trash bins will be installed.

For the sidewalks, curbs and gutters, the maximum depth of excavation will be approximately 18 in for concrete gutters. The project includes demolition of existing sidewalks, curbs, pavement, gutters and roads (in areas where concrete gutters are located in the road between the sidewalks) that extend from the Calle Lago to PR-189, and from Calle Matías González to Calle Juan R Quiñones. There will be partial widening of existing sidewalks to comply with ADA regulations and PRTHA Standards. New handicapped ramps for ADA accessibility compliance will be constructed and signage and pavement markings for pedestrian crossings will be installed. Existing inlets that are clogged will be cleaned and relocated, if needed, to adapt to the new geometry.

A Maintenance of Traffic Plan (MOT) and temporary control devices will be implemented to control the vehicular traffic and provide a safe route to pedestrians during the construction works. The MOT will be prepared in compliance with the PRHTA and FHWA standards and regulations.

During the demolition and construction process, erosion and sedimentation control measures will be implemented to avoid sediment discharges into the storm sewer system. Controls to be installed include hay bales (or silt socks) on drainage structures, silt fence around the project limit, and implementation of a stabilized entrance, with truck washout station to avoid sediments track out into the streets. Staging and storage areas for construction materials will be protected with silt fence, or any other measure as needed. All sediment control measures will be inspected according to regulations and will be replaced as needed. If additional measures are required, they will be implemented. Construction works will be performed in compliance with federal and local regulations. The staging area for the projects will be located in Eugenio Sanchez Street.

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

The municipality of Gurabo and its urban area were affected by Hurricanes Irma and Maria. This project intends to revitalize the public plaza which is used by the residents of the area, the majority of which are low- and moderate-income individuals. The public square is the meeting point for merchants and citizens to carry out their daily errands. It is used by the population of all the neighborhoods that make up our municipality, mostly LMI and disadvantaged populations. Multiple events are held,

including cultural, religious, sports, recreational, official, political events among others. Features such as seating, landscaping, lighting, and pedestrian pathways have been designed to enhance both the visual appeal and the functionality of the space. The plaza is designed to be accessible to all members of the community, providing an inclusive, visually cohesive environment that aligns with the cultural and social fabric of the area, and ensures its continued use as a vibrant public space. The sidewalks will be ADA compliance providing enhanced pedestrian accessibility and mobility in the urban area of Gurabo.

Existing Conditions and Trends [24 CFR 58.40(a)]: The plaza and the surrounding areas were damaged by Hurricanes Irma and Maria. The project is located in an area with a significant low- and moderate-income populations. If the plaza is not vitalized, the plaza and surrounding areas will continue to deteriorate. The sidewalks are not ADA compliant. If they are not upgraded, the sidewalks will continue to be difficult to use for pedestrians with disabilities. The project also includes cleaning of the inlets. In the absence of this cleaning, flooding risk will not be mitigated.

Funding Information

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

Estimated Total HUD Funded Amount: $3,855,167.31

Estimated Total Project Cost (HUD and non-HUD funds) [24 CFR 58.32(d)]: $4,321,576.68

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 project site is not within 15,000 feet of a military airport or 2,500 feet of a civilian airport. That means it is not located within a Runway Potential Zone/Clear Zone (RPZ/CZ) or Accident Potential Zone (APZ). The nearest civil and military airport is Luis Muñoz Marín International Airport, located approximately 12.5 miles to the north of the Site. Refer to Exhibit No.1 Airport Hazards
Coastal Barrier Resources Coastal Barrier Resources Act, as amended by the Coastal Barrier Improvement Act of 1990 [16 USC 3501]	Yes ☐ No ☒	The project location is outside the coastal zone limits and/or is not expected to affect natural resources, land uses, or water uses in the Puerto Rico coastal zone. The Project is not located in a CBRS unit; therefore, this project has no potential to impact a CBRS Unit. The closest CBRS is Unit: PR-87 (Punta Vacia Talega), which is located approximately 10.8 miles (57,024 feet) north of the Site at its closest point. There are no anticipated adverse effects due to the project's development, thus the project is in compliance with the regulation. Refer to Exhibit No.2 Coastal Barrier Resources System
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 ☒	According to the Flood Insurance Rate Map (FIRM), map panel 72000C0765J, effective date November 18, 2009, the project lies in a 100-year Floodplain. The project stands within two flood zones, namely, Zone X (shaded) (areas of 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mil, usually depicted on FIRMs as above

		the 500-year flood level), and Zone AE (area of special flood hazard where base flood elevations have been determined). The proposed project has an approximate total area of 34,799 m2 (8.5991 acres) with approximately 65% (5.589415 acres) of the northern section within zone AE based on Advisory Base Flood Elevations (ABFE) maps, and approximately35% (3.009685 acres)of the southern section located in Zone Shaded X. **Floodplain Number:** 72000C0765J, **Date:** 18/Nov/2009 FIRM The project does not involve the construction or rehabilitation of structures requiring flood insurance; however, all Municipalities of Puerto Rico participate in the National Flood Insurance Program and are currently in good standing with the agency. **Refer to Exhibit 3: FEMA FIRMette**
STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 50.4 & 58.5		
Clean Air Clean Air Act, as amended, particularly section 176(c) & (d); 40 CFR Parts 6, 51, 93	Yes ☐ No ☒	The project location is not currently listed as a nonattainment area. Due to the construction effort, the contractor must endeavor to keep dust from becoming a nuisance to neighboring areas. There are no anticipated adverse effects due to the project's development. **Refer to Exhibit No.4 Air Quality and Exhibit 4a: EPA Greenbook - Current Nonattainment Counties for All Criteria Pollutants**
Coastal Zone Management Coastal Zone Management Act, sections 307(c) & (d)	Yes ☐ No ☒	The project is located outside the area identified as Coastal Zone Line Boundary; thus, it does not affect Coastal Zone Management Plan. The closest Coastal Zone Line Boundary is located approximately 10 miles (52,800 feet) south of the project. There are no anticipated adverse effects to said area due to the project's development. The project is in compliance with the Coastal Zone Management Act. **Refer to Exhibit No.5 Coastal Zone Land**

		Boundary
Contamination and Toxic Substances 24 CFR Part 50.3(i) & 58.5(i)(2)	Yes ☒ No ☐	The NEPAssist database was reviewed on June 23, 2023, to identify EPA Facilities within 3,000 ft of Site. At the time, the following EPA facilities were detected: • Six (6) Water Dischargers Sites (NPDES) • Thirteen (13) Hazardous Waste (RCRA) • One (1) Air Emission Sites Additional information obtained from the EDR Radius Report and DNER 2020 LUST at the time of the review lists: • One (1) Water Dischargers Sites (NPDES) • Two (2) Active Leaking Underground Storage Tanks (LUSTs) • One (1) Inactive LUSTs According to the information available, these facilities do not appear to present an environmental concern for the Site, either because no significant noncompliance or high priority violation had been identified as of 12/31/2022 for the NPDES facilities, as of 05/20/2023 for the RCRA facilities and as of 05/20/2023 for the Air Emission Sites facilities, or because conditions suggest releases at the LUSTs sites are not expected to have had the potential to migrate to affect the subject property. Please refer to Exhibit 6a for detailed information regarding the facilities identified. Lead Base Paint (LBP) and Asbestos Containing Materials (ACM) surveys were performed at the project area. Asbestos was not found. LBP was identified above the regulatory level of 1.0 mg/cm2 on handrails, sculptures (statues) and street curbs. Refer to Exhibit 6b for additional details. Mitigation measures will be taken to safely remove the LBP in the areas that will be impacted by the project in compliance with local regulations. Clearance tests will be performed after removal to ensure no lead is left, and lead containing material will be taken to a proper disposal facility. These are detailed in the Mitigation Measures and Conditions [40 CFR

		1505.2(c)] section below. It is important to note that LBP handling is not a HUD requirement unless it affects the occupants of a property; it is a requirement of local regulations. Since the presence of LBP will not affect occupants because there are none, nor will it affect the intended use of the Site, no mitigation is required as per HUD regulations on this part. According to the SHPO report, the plaza was established circa 1840. There are no known historical uses of the site that could impact the use of property, and no RECs were found on site according to the environmental inspection conducted on 5/26/23. **Refer to Exhibit No.6: NEPAssist Radius Map and JP GIS UST Map; Exhibit 6a: NEPAssist Identified Facilities within 3,000 ft and Exhibit 6b: Asbestos and Lead Survey Exhibit 6c: Field Inspection**
Endangered Species Endangered Species Act of 1973, particularly section 7; 50 CFR Part 402	Yes ☐ No ☒	The proposed project is located in a densely populated, urban landscape. The site is not identified as a critical habitat by the US Fish and Wildlife Services (USFWS). However, the Endangered Species List Report indicated that one specie, the Puerto Rican Boa, whose habitat has been designated wherever found could be found at the Site. Species on this report will be considered in the analysis and design of the project. The project conforms to Project Criteria No 2: *Construction of gutters and sidewalks along existing roads and* No. 8: *Improvements to existing recreational facilities, including the installation of roof to existing basketball courts, provided that the lighting associated to the facility are not visible directly or indirectly from the beach* of the Blanket Clearance Letter for Federally sponsored projects, Housing and Urban Development dated January 14, 2013, and the project will have "No Effect" on the PR Boa due to the project activity. If a Puerto Rican Boa is encountered, work will cease until it moves off the site, or failing that, the Puerto Rico Department of Natural and Environmental

		Resources (PRDNER) Rangers will be notified for sale capture and relocation of the animal, in accordance with the USFWS Puerto Rican Boa Conservation Measure guidelines. **Refer to Exhibit No.7 Endangered Species**
Explosive and Flammable Hazards 24 CFR Part 51 Subpart C	Yes ☐ No ☒	Not applicable. Project does not include a hazardous facility or the development, construction, rehabilitation that will increase residential densities, or conversion. Environmental Inspection Required
Farmlands Protection Farmland Protection Policy Act of 1981, particularly sections 1504(b) and 1541; 7 CFR Part 658	Yes ☐ No ☒	This project does not include any activities that could potentially convert agricultural land to nonagricultural use. Furthermore, the soils in the area are not identified as Farmland of Statewide Importance. The project is in compliance with the Regulation. **Refer to Exhibit No.8 Farmlands Protection**
Floodplain Management Executive Order 11988, particularly section 2(a); 24 CFR Part 55	Yes ☒ No ☐	Using the freeboard value approach, this action is located in a 100-year floodplain (and 500 year floodplain, which is included within the FFRMS). According to the Puerto Rico Advisory Board Flood Elevations effective date April 13, 2018, the parcel stands within two zones, namely, Zone X (shaded) (areas of 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mil, usually depicted on FIRMs as above the 500-year flood level), and Zone A (area of special flood hazard were base flood elevations have not been determined). The proposed project has an approximate total area of 34,799 m2 (8.5991 acres) with ~65% (5.589415 acres) of the northern section within zone AE based on Advisory Base Flood Elevations (ABFE) maps, and ~35% (3.009685 acres)of the southern section located in Zone Shaded X. Therefore, the project requires the 8-step analysis to comply with Executive Order 11988 as amended by Executive Order 13690. An 8-Step Analysis was conducted which

		concluded that the floodplain values will be preserved since the project will be executed within the existing streets' right-of-way and Plaza area, and there will be no changes to the current Site stormwater management conditions. This will avoid further impermeabilization within the floodplain, thus preserving it as it currently is. The proposed project is compliant with this regulation. **Floodplain Number:** 72000C0765J, **Date**: 18/Nov/2009 FIRM; 13/April/2018 ABFE's. **Refer to Exhibit No.3 FEMA FIRMette;** **Exhibit 3a: ABFE's Map, and Exhibit 3b: 8-step Step Process**
Historic Preservation National Historic Preservation Act of 1966, particularly sections 106 and 110; 36 CFR Part 800	Yes ☒ No ☐	The Section 106 NHPA Effect Determination performed for the project concluded there would be No Adverse Effect, if the following conditions were followed to ensure preservation: construction activities related to the project, including the Plaza and the surrounding streets of the urban center, are recommended to undergo archaeological monitoring including all demolitions, excavations, and ground disturbing activities. Furthermore, it is recommended that any improvement activities carried out in the plaza be done with light machinery, or alternatively, use hand tools that do not pose a risk of damaging the cultural resources beneath the surface layer of historic properties. It also indicated the following direct and indirect effects: Direct Effect: • For direct effects, the proposed project will directly impact the Plaza de los Próceres and surrounding sidewalks, which are within the defined direct APE as Gurabo's traditional urban square and urban center sidewalks. Archaeological monitoring is recommended during construction to ensure preservation of any resources uncovered during demolitions, excavations, and any alterations to the soil. Furthermore, it is recommended that any improvement

		activities conducted in the plaza and sidewalks refrain from using heavy machinery. Instead, use light machinery or hand tools that pose no risk of damaging cultural resources beneath the surface layer of the historic properties. The assessment of visual impact on the Urban Center indicates that the project is designed to maintain visual harmony with the surrounding historic urban fabric by incorporating design elements consistent with the existing historic character and preserving original entrances to the plaza, adhering to the Secretary of Interior's Standards for Treatment of Historic Properties. Indirect Effect: • For indirect effects, the project has potential indirect effects on other documented historic properties neighboring both projects' direct APE, such as the San José Church anchoring the plaza's north edge and the original Municipal Hall building adjacent to the southwest. These indirect effects could include noise, vibrations, r temporary changes in access or traffic patterns during construction. SHPO concurred with the determination in a letter dated May 29, 2024. An archaeological monitoring plan was prepared and submitted to SHPO, who indicated in the same letter that the plan was deemed acceptable and concurred with its implementation. **Refer to Exhibit No.9 SHPO Concurrence, 106 NHPA Effect Determination and Archeological Monitoring 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 ☒	Not Applicable. Project does not include new construction for residential use or rehabilitation of an existing residential property. Moreover, there is no change in use and noise levels in post development should not be significantly different. Best management practices will be used during construction to ensure that there is not a nuisance to the public during construction activities.
Sole Source Aquifers	Yes No	Puerto Rico is included in Region II of the USA EPA designated sole-source aquifer regions. The

Safe Drinking Water Act of 1974, as amended, particularly section 1424(e); 40 CFR Part 149	☐ ☒	project is not served by designated sole source aquifers nor is it located within a sole source aquifer watershed. The nearest sole source aquifer is in Florida. The project is in compliance without further evaluation. **Refer to Exhibit No.10 Sole Source Aquifers**
Wetlands Protection Executive Order 11990, particularly sections 2 and 5	Yes No ☐ ☒	The project site is not located on any riparian nor wetlands. The closest wetland, a tributary of Rio Gurabo (Riverine, R2UBH), is located 0.01 miles (52 feet). to the east. Furthermore, a permit will not be required as per Section 404 of the Clean Water Act for the project will not require the discharge of dredger or fill material into wetlands. The project is in compliance with the regulation. **See Exhibit No.11 Wetlands Protection**
Wild and Scenic Rivers Wild and Scenic Rivers Act of 1968, particularly section 7(b) and (c)	Yes No ☐ ☒	Puerto Rico has approximately 5,385 river miles. Only 8.9 miles of three rivers are designated as wild and scenic. There are no surrounding rivers that qualify as wild and scenic rivers. The closest wild and scenic river (Rio Icacos) is in the Yunque Rainforest, more than 12.8 miles (67,584 feet) west of the project site. The project poses no harm to this river. **See Exhibit No.12 Wild and Scenic Rivers**
ENVIRONMENTAL JUSTICE		
Environmental Justice Executive Order 12898	Yes No ☐ ☒	Since the proposed project is not expected to have significant adverse impacts, and impacts identified will be mitigated, there are no disproportionate adverse impacts anticipated on the surrounding community. Furthermore, the project will positively impact the quality of life of all citizens of Gurabo, which is identified as a minority and low-income population. There were no findings in this review that would indicate an adverse impact on sensitive populations. The project is in compliance with Executive Order 12898.

Environmental Assessment Factors [24 CFR 58.40; Ref. 40 CFR 1508.8 &1508.27] Recorded below is the qualitative and quantitative significance of the effects of the proposal on the character, features and resources of the project area. Each factor has been evaluated and documented, as appropriate and in proportion to its

relevance to the proposed action. Verifiable source documentation has been provided and described in support of each determination, as appropriate. Credible, traceable and supportive source documentation for each authority has been provided. Where applicable, the necessary reviews or consultations have been completed and applicable permits of approvals have been obtained or noted. Citations, dates/names/titles of contacts, and page references are clear. Additional documentation is attached, as appropriate. **All conditions, attenuation or mitigation measures have been clearly identified.**

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

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

Environmental Assessment Factor	Impact Code	Impact Evaluation
LAND DEVELOPMENT		
Conformance with Plans / Compatible Land Use and Zoning / Scale and Urban Design	2	Conformance with Plans The rehabilitation of Plaza Public and the sidewalk improvements are integral components of the plan to revitalize the urban area of Gurabo which suffered material and economic damage after Hurricanes Irma and Maria. Compatible Land Use and Zoning The project site is zoned as D-G (Dotacional General), a designation established by the *Land Use Plan* by the Puerto Rico Planning Board (JP) for public and institutional uses, such as plazas, parks, and government buildings. The proposed project, which involves the rehabilitation of a public plaza, is fully compatible with this zoning classification. This classification ensures that the project complies with applicable local land use regulations and supports the municipality's objectives of creating functional and accessible public spaces that serve the community. Scale The scale of the proposed rehabilitation is appropriate for the intended use as a Plaza Pública and improvements to the sidewalks. Public plazas are typically designed as key focal points within urban areas, providing open spaces for recreation, social interaction, and community events. The design and size of the plaza are proportional to the surrounding urban context and complement nearby structures and infrastructure. The project enhances the local area without imposing on or overwhelming the existing urban landscape. Urban Design

		The urban design of the plaza has been carefully integrated with the existing architectural and streetscape character of **Gurabo**. Features such as seating, landscaping, lighting, and pedestrian pathways have been designed to enhance both the visual appeal and the functionality of the space. The plaza is designed to be accessible to all members of the community, providing an inclusive, visually cohesive environment that aligns with the cultural and social fabric of the area, and ensures its continued use as a vibrant public space. The sidewalks will be ADA compliant providing enhanced pedestrian accessibility and mobility in the urban area of Gurabo. The Project is a legal and conforming use of the land. It does not differ in materials, color, or style from its neighbors in an inappropriate manner, and therefore conforms to the surrounding and established built environment in terms of overall scale, density, size and mass. The reconstruction of the plaza publica will have a minor beneficial impact on the community.
Soil Suitability/ Slope/ Erosion/ Drainage/ Storm Water Runoff	2	The rehabilitation of the plaza and the sidewalk improvements are located in already impacted areas. The National Resources Conservation Service (NRCS) classified the soil as Um (Urban land – Mucara complex, 12 to 40 percent slope) (see Exhibit 13), and USGS classified the project area as a low risk for landslide susceptibility (see Exhibit 14). The Designer has determined that the soils are suitable for construction and conservative values of the bearing capacity of the soils have been used to determine the size of the footings for the kiosks and other structures. During the demolition and construction process, erosion and sedimentation control measures will be implemented to avoid sediment discharges into the storm sewer system. Controls to be installed include hay bales (or silt socks) on drainage structures, silt fence around the project limit, and implementation of a stabilized entrance, with truck washout station to avoid sediments track out into the streets. Staging and storage areas for construction materials will be protected with silt fence, or any other measure as needed. All sediment control measures will be inspected according to regulations and will be replaced as needed. The drainage for the sidewalk improvements will be enhanced by the cleaning of the inlets and the stormwater from the plaza will be discharged in the existing stormwater system.

Hazards and Nuisances including Site Safety and Noise	2	Lead based paint will be mitigated according to local regulations. Construction will be limited to working hours on weekdays and limited hour on weekends and holidays. Construction outside of these hours is not permitted. The Contractor will be required to restrict access to the construction site during construction and comply with Occupational Safety and Health Administration (OSHA) regulations.

Environmental Assessment Factor	Impact Code	Impact Evaluation
SOCIOECONOMIC		
Employment and Income Patterns	2	The median household income in the municipality of Gurabo is $39,906, and the per capita income is $18,880. Among those eligible for work, 55.6 percent of the population is in the labor force and the. Approximately 30% of individuals are below the level of poverty. The project will increase temporary labor needs for the construction of the project. The project would be anticipated to draw a local labor force. In this manner, it would not greatly impact the local economy through the influx of workers or expenditures associated with the construction period.
Demographic Character Changes, Displacement	2	The population of the Municipality of Gurabo is approximately 46,948. Among this total, approximately 16 percent are aged 65 years and older, and the median age is 40.1 years. The Municipality of Gurabo has a total of 17,159 houses of which 14,675 are occupied. The median home value is $139,900. Housing is generally owner-occupied (approximately 80%). As the overall project will have a limited construction timeframe and anticipates the use of local labor, the project would not likely impact the local physical, social, and psychological dimensions of the community. The project would not displace any population as the project is intended for the use of the residents of the urban area and the municipality of Gurabo.
Environmental Justice	1	The primary focus of the project is to restore and improve the urban areas affected by Hurricanes Irma and Maria. The majority of the population in this urban area is made of low and moderate income (LMI) individuals. The public square is the meeting point for merchants and citizens to carry out their daily errands. It is used by the population of all the neighborhoods that make up our municipality, mostly LMI and

		disadvantaged populations. Multiple events are held, including cultural, religious, sports, recreational, official, political events among others. The plaza serves the town which has nine neighborhoods, most of this population are LMI. The sidewalk improvements will result in ADA compliance improving the mobility for elderly and disabled individuals in the urban area.

Environmental Assessment Factor	Impact Code	Impact Evaluation
COMMUNITY FACILITIES AND SERVICES		
Educational and Cultural Facilities	1	The project serves to rehabilitate the Plaza and improve the sidewalks in the urban area. This project has no impact on the educational facilities in the area. The Gurabo Plaza, known as Plaza de los Proceres, presents an intriguing architectural concept that seamlessly integrates diverse elements within its layout, making it eligible for listing. In addition to this central public space, the sidewalks in the surrounding blocks lead the way for pedestrians to communicate with existing buildings and related activities in the plaza. This exceptional space results from two intertwined projects encompassing the Plaza and the adjacent sidewalks. Notably, three of the Plaza's four corners boast significant monuments, including the Luis Muñoz Marín Monument, infusing the area with historical and cultural significance that extends through the connecting sidewalks to the surrounding urban fabric. Consequently, the ongoing renovation efforts in this project not only acknowledge the historical and cultural significance of the Gurabo Plaza, Plaza de los Proceres, and its connecting sidewalks but also improve access to the National Register of Historic Places (NRHP) listed/eligible properties in the vicinity.
Commercial Facilities	1	The project is located in the urban area of the Municipality of Gurabo. Commercial properties are present within walking distance of the subject project. Local commercial facilities are expected to benefit from an increase of shoppers and greater pedestrian access due to improved sidewalks.
Health Care and Social Services	2	The project serves to rehabilitate the Plaza and improve the sidewalks in the urban area. This project will have no impact on the health care and social services in the area.

		The users of the Plaza are local, from either the urban area or surrounding communities. In this regard, the project is not anticipated to burden the existing health care and social services available in the community.
Solid Waste Disposal / Recycling	2	Solid waste disposal is provided to residents by the municipality. The waste is disposed at the El Coqui landfill in Humacao. It is anticipated that more residents will use the plaza after the project is completed. However, the plaza and sidewalk improvements will not result in a significant increase in the solid waste that is currently generated at the site. Construction activities will generate solid waste that will need to be managed by the contractor to avoid creating a negative impact.
Waste Water / Sanitary Sewers	2	Gurabo's stormwater and sanitary sewer system is managed by the Puerto Rico Aqueduct and Sewer Authority (PRASA). The project will connect to the existing wastewater and sewer infrastructure. PRASA's endorsement dated October 15, 2024, states that the sanitary sewer service for this project may be provided by connection to the existing 8" diameter sanitary pipe in the Carr. PR-943 and the sanitary connection for the kiosk can be requested directly at the Customer Service Office. The increase in wastewater generated by the use of the kiosk is anticipated to be minimal.
Water Supply	2	Gurabo's water supply is managed by the Puerto Rico Aqueduct and Sewer Authority (PRASA). The project will connect to the existing wastewater and sewer infrastructure. PRASA's endorsement dated October 15, 2024, states that the drinking water service may be provided by connection to the existing 4" Φ pipe in Carr. PR-943 in front of the project. The 1/2" diameter connection for the kiosk can be requested directly from the Customer Service Office. The increase in water required due to the construction of the kiosk is anticipated to be minimal.
Public Safety - Police, Fire and Emergency Medical	2	The project serves to rehabilitate the Plaza and improve the sidewalks in the urban area. This project will have no impact on the police, fire, and medical emergency services in the area. As most of the users of the project are expected to be currently residents, no increase on the demand for public safety services is anticipated to occur as a result of the project. The improved lighting in the plaza will help to improve public safety.

Parks, Open Space and Recreation	1	The plaza is designed as key focal points within urban areas, providing open spaces for recreation, social interaction, and community events Features such as seating, landscaping, lighting, and pedestrian pathways have been designed to enhance both the visual appeal and the functionality of the space. The project will be designed to include green space within the plaza. Landscaping will be appropriately utilized to offer energy savings, but also to provide some privacy.
Transportation and Accessibility	2	The project serves to rehabilitate the Plaza and improve the sidewalks in the urban area. The increase in transportation demand as a result of this project should be minimal. The improvements in the sidewalks will result in better accessibility for pedestrians and disabled persons in the urban center. A Maintenance of Traffic Plan (MOT) and temporary control devices will be implemented to control the vehicular traffic and provide a safe route to pedestrians during the construction works. The MOT will be prepared in compliance with the PRHTA and FHWA standards and regulations.

Environmental Assessment Factor	Impact Code	Impact Evaluation
NATURAL FEATURES		
Unique Natural Features, Water Resources	2	The project is located in an urban area of Gurabo. While no unique or natural features are located on or adjacent to the project, the Gurabo river is approximately 1,000 feet from the plaza. Stormwater pollution prevention measures will be taken during construction.
Vegetation, Wildlife	1	The project is in a developed urban area of Gurabo. As previously noted, the project will contain landscaping. The plants utilized as part of the overall design will consist of native vegetation so as not to harm local wildlife and to fit in the overall character of the community. The project meets the requirements for the USFWS self-certification. The project will not damage or destroy rare, threatened, or endangered species or their habitats. The USFWS conservation measures will be followed if the endangered Puerto Rican boa is found onsite.
Environmental Assessment Factor	**Impact Code**	**Impact Evaluation**
CLIMATE AND ENERGY		
Climate Change Impacts	3	Climate change could increase the project's future flooding risk due to increased regularity and severity of extreme weather. The project is

		located in a flood zone making this site vulnerable to future flooding events. Mitigation measures such as cleaning of the inlets and landscaping are part of the project which will help reduce the risk of flooding.
Energy Efficiency	2	The project is located in an urban area with access to commercial services, the sidewalk improvements will encourage pedestrian use. Energy efficient lighting will be used.

Additional Studies Performed:

Lead and Asbestos Study
Drainage Calculations

Field Inspection (Date and completed by)**:** 05/26/2023, AVA Environmental Consultants Personnel and 10/24/2023, Plexos Group.

List of Sources, Agencies and Persons Consulted [40 CFR 1508.9(b)]**:**
US Fish and Wildlife Service (USFWS), Puerto Rico State Historic Preservation Office (PRSHPO), Autoridad de Carreteras y Transportation (ACT), Departamento de Seguridad Publica - Negociado del Cuerpo de Bomberos, Autoridad de Aqueductos y Alcantarillados (AAA), Oficina de Gerencia de Permisos (OGPe), Instituto de Cultura Puertorriquena (ICP), EPA, FEMA,Puerto Rico Planning Board, FAA, CBRA, PRDNER, CBDG Action Plan, OGPE, National Wetland Inventory, NRCS, US Geological Services, National Wild and Scenic Rivers System.

List of Permits Obtained:

Project No.	Project Name	Permit No.	Agency
PR-CRP-000549	Rehabilitacion Plaza de los Proceres de Gurabo	2023-477731-DEC-117931	Determinación de Cumplimiento Ambiental Vía Exclusión Categórica
PR-CRP-000549	Rehabilitacion Plaza de los Proceres de Gurabo	2023-477731-SRI-067575	Autoridad de Carreteras y Transportación – ACT

PR-CRP-000559	Remodelación de aceras en Plaza de los Proceres	2023-477734-DEC-118366	Determinación de Cumplimiento Ambiental Vía Exclusión Categórica
PR-CRP-000559	Remodelación de aceras en Plaza de los Proceres	2023-477734-SRI-067596	Autoridad de Carreteras y Transportación – ACT
PR-CRP-000559	Remodelación de aceras en Plaza de los Proceres	2023-477734-SRA-068232	SRA-Solicitud de Recomendación - Arqueología y Conservación Histórica
PR-CRP-000549	Rehabilitacion Plaza de los Proceres de Gurabo	2023-477731-SRI-070135	Autoridad de Carreteras y Transportación – ACT
PR-CRP-000549	Rehabilitacion Plaza de los Proceres de Gurabo	2023-477731-SRI-072305	Autoridad de Acueductos y Alcantarillados – AAA
PR-CRP-000549	Rehabilitacion Plaza de los Proceres de Gurabo	2023-477731-SRA-072407	Arqueología y Conservación Histórica
PR-CRP-000549	Rehabilitacion Plaza de los Proceres de Gurabo	2023-477731-SRI-075277	Autoridad de Energía Eléctrica – AEE
PR-CRP-000549	Rehabilitacion Plaza de los Proceres de Gurabo	2023-477731-SRI-075606	Negociado de Telecomunicaciones – NET
PR-CRP-000559	Remodelación de aceras en Plaza de los Proceres	2023-477734-SRI-075483	Autoridad de Carreteras y Transportación – ACT
PR-CRP-000549	Rehabilitacion Plaza de los Proceres de Gurabo	2023-477731-SRS-078025	Departamento de Salud - DS
PR-CRP-000549	Rehabilitacion Plaza de los Proceres de Gurabo	2023-477731-SRS-078023	Autoridad de Acueductos y Alcantarillados – AAA

PR-CRP-000549	Rehabilitacion Plaza de los Proceres de Gurabo	2023-477731-SRI-302639	Autoridad de Acueductos y Alcantarillados – AAA
PR-CRP-000549	Rehabilitacion Plaza de los Proceres de Gurabo	2023-477731-SRI-303169	Autoridad de Energía Eléctrica – AEE
PR-CRP-000549	Rehabilitacion Plaza de los Proceres de Gurabo	2023-477731-SRS-300813	Cuerpo de Bomberos de Puerto Rico - CBPR
PR-CRP-000549	Rehabilitacion Plaza de los Proceres de Gurabo	2023-477731-SRI-305260	Autoridad de Acueductos y Alcantarillados – AAA

Public Outreach [24 CFR 50.23 & 58.43]**:**

Housing and Urban Development (HUD), US Fish and Wildlife Service (USFWS), Environmental Protection Agency (EPA), US Army Corps of Engineers (USACE), Federal Emergency Management Agency (FEMA), State Historic Preservation Office (SHPO), Departamento de Recursos Naturales y Ambientales (DRNA), El Departamento de Desarrollo Economico y Comercio (DDEC)
Step 2 and Step 7 Public Notices (Published in El Vocero Newspaper on 11/2/2023 and in El Nuevo Dia on 2/24/2024, respectively)
Pending: FONSI/NOI-RROF

Cumulative Impact Analysis [24 CFR 58.32]**:**
The 2 projects – revitalization of the plaza and the sidewalk improvements will together have a positive effect on the community. The ADA compliant sidewalks will improve pedestrian mobility and the rehabilitation of the plaza will help to increase the use of the area damaged by hurricanes Irma and Maria. The proposed project will help to revitalize the urban area and improve the local economy by providing improved access to commercial facilities. While the project is located in a flood zone, the area has already been impacted and mitigation measures such as grading, cleaning of the inlets, landscaping will help reduce future flooding risks.

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

Off-site Alternative
An off-site alternative was considered and not deemed feasible because the purpose of this proposed project and its design is specific to this project site opportunity, and no significant adverse impacts related to the proposed action at this site location were considered likely to arise. Relocating the

project to another area would not serve the community it is intended to benefit, as neither the Public Plaza nor its adjacent streets would be improved.

Reduced Project Alternative
Reducing the size of the project could potentially reduce some impacts, such as construction period, and impact on the flood zone. However, reducing the project footprint would not avoid the impact, as it is mostly located in the floodplain. A reduced project would not fully realize the potential of this site to provide the area with an opportunity to best meet its residents' needs. Therefore, a reduced-project alternative was not considered.

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

No change to the project site would occur and it would continue in its current state for the foreseeable future. The impacts discussed in this document would not occur. No benefits would take place such as providing residents and visitors to the area with a plaza that can be used for leisure as well as cultural activities, with the associated commercial benefits that additional visitors to the Site will bring to nearby areas. Additionally, the stormwater inlets that are clogged in the streets adjacent to the Plaza, included in the sidewalks and gutters project, will not be cleaned. It is unknown at this time if or when another development for the parcel would be forthcoming.

Summary of Findings and Conclusions: The proposed project involves the revitalization of the Gurabo Public Town Square and the reconstruction of the existing sidewalks, curbs, and gutters of several streets around the Gurabo Plaza, namely PR-189, Juan R. Quinones St., Lago St., Matias Gonzalez St., PR-943 (Santiago Street), Eugenio Sanchez Lopez St., San Jose St., and Angel C. Morales St (Refer to Figure 1: Proposed Project Drawings (90%) 000549 and Figure 2: Project Drawings (90%) 000559). The sidewalks, curbs and gutters project will be performed inside the streets' right of way. The project complies with the statutes, executive orders, and regulations evaluated as part of this assessment, except for the followings:

- Contamination and Toxic Substances - LBP was identified above the regulatory level of 1.0 mg/cm2 on handrails, sculptures (statues) and street curbs. Applicable regulations will be followed prior to demolishing the area to remove them. Mitigation measures are described in the following section.
- Endangered species- Conservation measures established by the Service (enclosed with Exhibit 6: Endangered Species) must be implemented and followed for the Puerto Rican Boa.
- Historic Preservation - The following conditions must be followed to ensure preservation: construction activities related to the project, including the Plaza and the surrounding streets of the urban center, are recommended to undergo archaeological monitoring including all demolitions, excavations, and ground disturbing activities. Furthermore, it is

recommended that any improvement activities carried out in the plaza be done with light machinery, or alternatively, use hand tools that do not pose a risk of damaging the cultural resources beneath the surface layer of historic properties.
• Erosion Control and Sedimentation - Stormwater pollution prevention measures shall be implemented throughout the construction period, until final stabilization of the Site is achieved. These measures include best management practices from the following categories: • Material storage and spill cleanup, • Earth-moving activities and erosion control, • Roadwork and pavement construction, • Vehicle and equipment maintenance, • Paints, solvents, and adhesives, • Concrete, cement, and mortars, and • Waste disposal. Federal and Local regulations will be followed, permits will be obtained, and the required compliance inspections will be performed.
Floodplain Management: An 8-Step Analysis was conducted which concluded that the floodplain values will be preserved since the project will be executed within the existing streets' right-of-way and Plaza area, and there will be no changes to the current Site stormwater management conditions. This will avoid further impermeabilization within the floodplain, thus preserving it as it currently is.

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

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

Law, Authority, or Factor	Mitigation Measure
Contamination and Toxic Substances	Prior to the demolishing of a structure containing lead-based paint, the contaminated surfaces or substrates must be abated or removed. The waste generated has to be characterized to determine if it is hazardous or non-hazardous. The firm providing the abatement services must be certified by the PR DRNA. Workers conducting the assessment must be trained and certified by a training provider accredited by the PR DRNA. The product manufacturer and/or contractor must warrant abatement methods to last a minimum of 20 years, or these methods must have a design life of at least 20 years. If enclosure or encapsulation is used ad abatement, ongoing lead-based paint maintenance is required, as the lead-based paint remains on the Site.
Historic Preservation	The following conditions must be followed to ensure preservation: construction activities related to the project, including the Plaza and the surrounding streets of the urban center, are recommended to undergo archaeological monitoring including all demolitions, excavations, and ground disturbing activities. Furthermore, it is recommended

	that any improvement activities carried out in the plaza be done with light machinery, or alternatively, use hand tools that do not pose a risk of damaging the cultural resources beneath the surface layer of historic properties
Erosion Control and Sedimentation	Stormwater pollution prevention measures shall be implemented throughout the construction period, until final stabilization of the Site is achieved. These measures include best management practices from the following categories: • Material storage and spill cleanup, • Earth-moving activities and erosion control, • Roadwork and pavement construction, • Vehicle and equipment maintenance, •Paints, solvents, and adhesives, • Concrete, cement, and mortars, and • Waste disposal. Federal and Local regulations will be followed, permits will be obtained, and the required compliance inspections will be performed.
Endangered species	The Puerto Rico Department of Natural and Environmental Resources **(PRDNER)** Rangers will be notified for sale capture and relocation of the animal, in accordance with the **USFWS** Puerto Rican Boa Conservation Measures guidelines.
Floodplain Management	An 8-Step Analysis was conducted which concluded that the floodplain values will be preserved since the project will be executed within the existing streets' right-of-way and Plaza area, and there will be no changes to the current Site stormwater management conditions. This will avoid further impermeabilization within the floodplain, thus preserving it as it currently is.

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: Anil deSa Date: 10/31/2024

Name/Title/Organization: Anil Desa, Compliance Officer, Plexos Group

Certifying Officer Signature: Date: 10/31/2024

Name/Title: Aldo A. Rivera Vázquez, PE - Director | Permits and Environmental Compliance Division

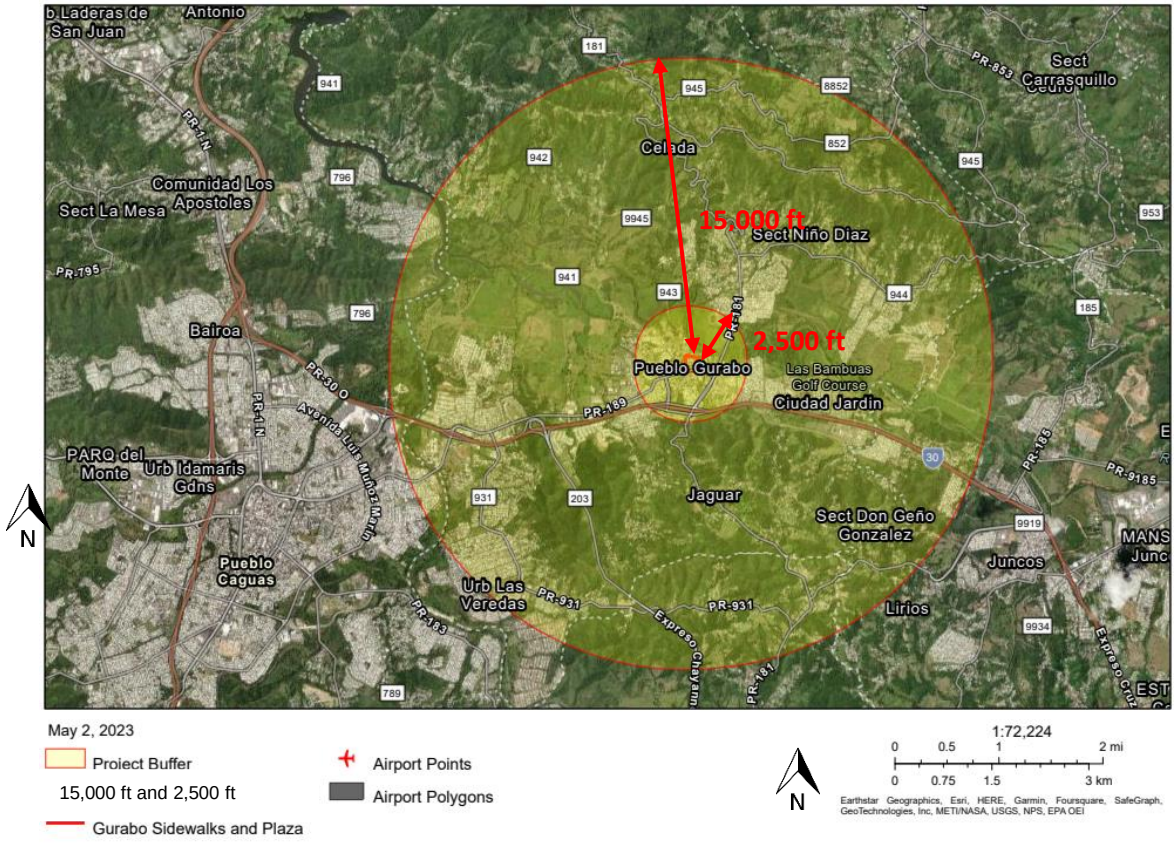
This original, signed document and related supporting material must be retained on file by the Responsible Entity in an Environmental Review Record (ERR) for the activity/project (ref: 24 CFR Part 58.38) and in accordance with recordkeeping requirements for the HUD program(s).

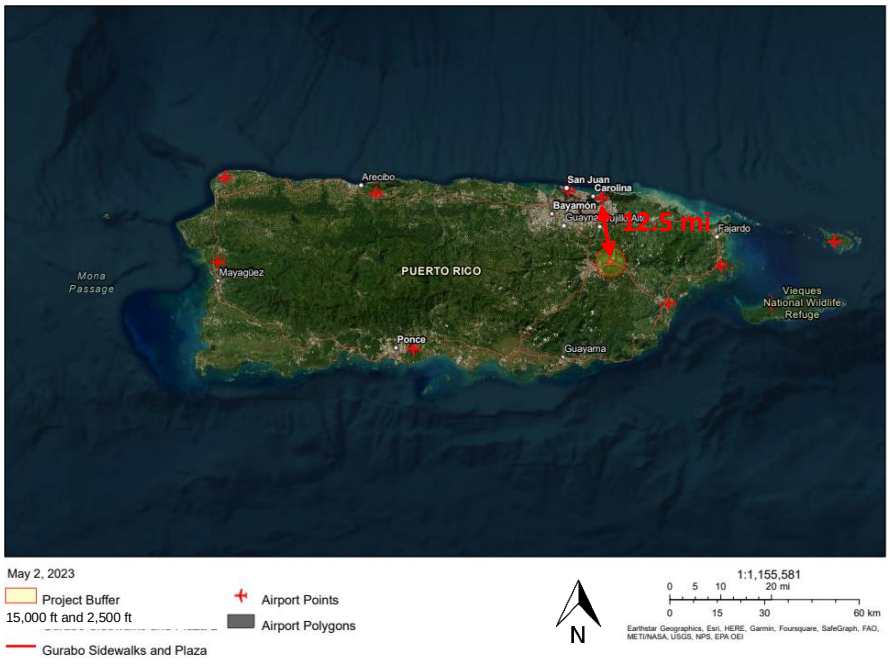
List of Exhibits:

Exhibit 1: Airport Hazards
Exhibit 2: CBRS
Exhibit 3: FEMA FIRM
Exhibit 3a: ABFE's Maps
Exhibit 3b: Floodplain-Management-8-Step-Decision-Making-Process
Exhibit 4: Air Quality
Exhibit 4a: EPA Greenbook - Current Nonattainment Counties for All Criteria Pollutants
Exhibit 5: Coastal Zone Land Boundary
Exhibit 6: NEPAssist Radius Map and JP GIS UST Map
Exhibit 6a: NEPAssist Identified Facilities within 3,000 ft.
Exhibit 6b: Asbestos and Lead Survey
Exhibit 6c: Field Inspection
Exhibit 7: Endangered Species
Exhibit 8: Farmland
Exhibit 9: SHPO Concurrence, 106 NHPA Effect Determination and Archeological Monitoring Plan
Exhibit 10: Sole Source Aquifer
Exhibit 11: Wetlands Protection
Exhibit 12: Wild and Scenic Rivers
Exhibit 13: Soil Map
Exhibit 14: Landslide Risk Map

Project Name: PR-CRP-000549 - Rehabilitación Plaza de los Proceres de Gurabo; and PR-CRP-000559 -Remodelación de aceras alrededor de la Plaza de los Próceres de Gurabo
Location: Angel C. Morales St., San Jose St., Eugenio Sánchez Lopez St., and PR-943 (Plaza); Lago St., Matías Gonzalez St., Angel C. Morales St., PR-943, San Jose St., Juan R. Quinones St., Eugenio Sánchez Lopez St., Santiago, St., and PR-189 (Sidewalks), Gurabo, Puerto Rico
Lat/Long: 18.25557500, -65.97238475

EXHIBIT NO.1 AIRPORTS





Source: EPA https://nepassisttool.epa.gov/nepassist/nepamap.aspx
Company: Benítez Ramos & Associates, LLC
Date: 05/2/2023

Project Name: PR-CRP-000549 - Rehabilitación Plaza de los Proceres de Gurabo; and PR-CRP-000559 -Remodelación de aceras alrededor de la Plaza de los Próceres de Gurabo
Location: Angel C. Morales St., San Jose St., Eugenio Sánchez Lopez St., and PR-943 (Plaza); Lago St., Matías Gonzalez St., Angel C. Morales St., PR-943, San Jose St., Juan R. Quinones St., Eugenio Sánchez Lopez St., Santiago, St., and PR-189 (Sidewalks), Gurabo, Puerto Rico
Lat/Long: 18.25557500, -65.97238475

EXHIBIT NO.2 COASTAL BARRIER RESOURCES (CBR)



January 22, 2023

CBRS Units

Otherwise Protected Area

System Unit

N

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

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

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

This page was produced by the CBRS Mapper

U.S. Fish and Wildlife Service

Coastal Barrier Resources System Mapper Documentation



CBRS Units

Otherwise Protected Area

System Unit

CBRS Buffer Zone

-65.972327, 18.255517

0 65 130 260 390 ft

1:4,514

The pin location displayed on the map is a point selected by the user. Failure of the user to ensure that the pin location displayed on this map correctly corresponds with the user supplied address/location description below may result in an invalid federal flood insurance policy. **The U.S. Fish and Wildlife Service (Service) has not validated the pin location with respect to the user supplied address/location description below. The Service recommends that all pin locations be verified by federal agencies prior to use of this map for the provision or denial of federal funding or financial assistance** . Please note that a structure bisected by the Coastal Barrier Resources System (CBRS) boundary (i.e., both "partially in" and "partially out") is within the CBRS and therefore affected by CBRA's restrictions on federal flood insurance. A pin placed on a bisected structure must be placed on the portion of the structure within the unit (including any attached features such as a deck or stairs).

User Name: Gurabo
User Supplied Address/Location Description: Gurabo Sidewalks and Plaza
Pin Location: Outside CBRS
Pin Flood Insurance Prohibition Date: N/A
Pin System Unit Establishment Date: N/A

The user placed pin location is not within the CBRS. The official CBRS maps are accessible at https://www.fws.gov/library/collections/official-coastal-barrier-resources-system-maps .

The CBRS information is derived directly from the CBRS web service provided by the Service. This map was exported on 5/2/2023 and does not reflect changes or amendments subsequent to this date. The CBRS boundaries on this map may become superseded by new boundaries over time.

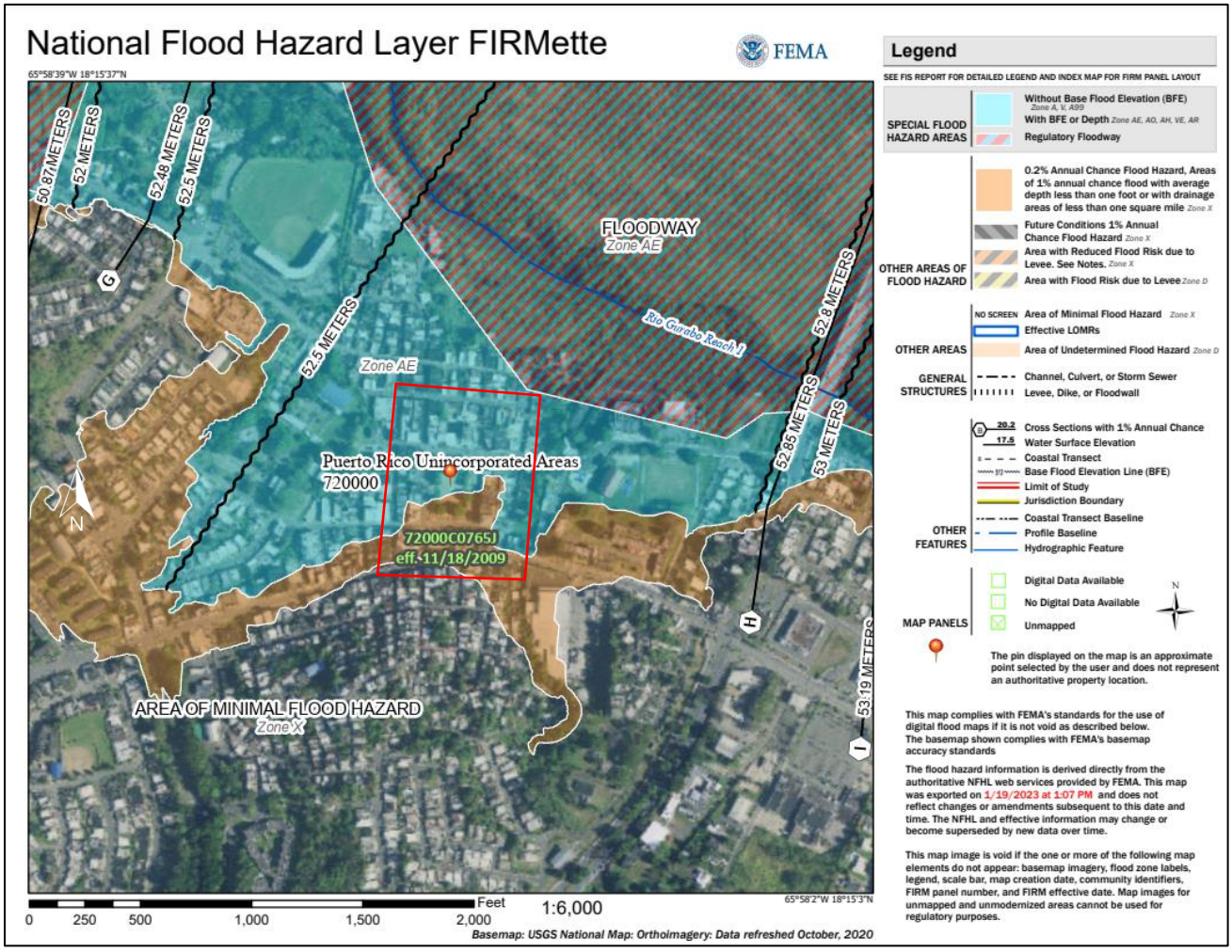
This map image may be void if one or more of the following map elements do not appear: basemap imagery, CBRS unit labels, prohibition date labels, legend, scale bar, map creation date. For additional information about flood insurance and the CBRS, visit: https://www.fws.gov/node/263838 .

This page was produced by the CBRS Mapper

Source: U.S. Fish & Wildlife https://fwsprimary.wim.usgs.gov/CBRSMapper-v2/
Company: Benítez Ramos & Associates, LLC
Date: 05/02/2023

Project Name: PR-CRP-000549 - Rehabilitación Plaza de los Proceres de Gurabo; and PR-CRP-000559 -Remodelación de aceras alrededor de la Plaza de los Próceres de Gurabo
Location: Angel C. Morales St., San Jose St., Eugenio Sánchez Lopez St., and PR-943 (Plaza); Lago St., Matías Gonzalez St., Angel C. Morales St., PR-943, San Jose St., Juan R. Quinones St., Eugenio Sánchez Lopez St., Santiago, St., and PR-189 (Sidewalks), Gurabo, Puerto Rico
Lat/Long: 18.25557500, -65.97238475

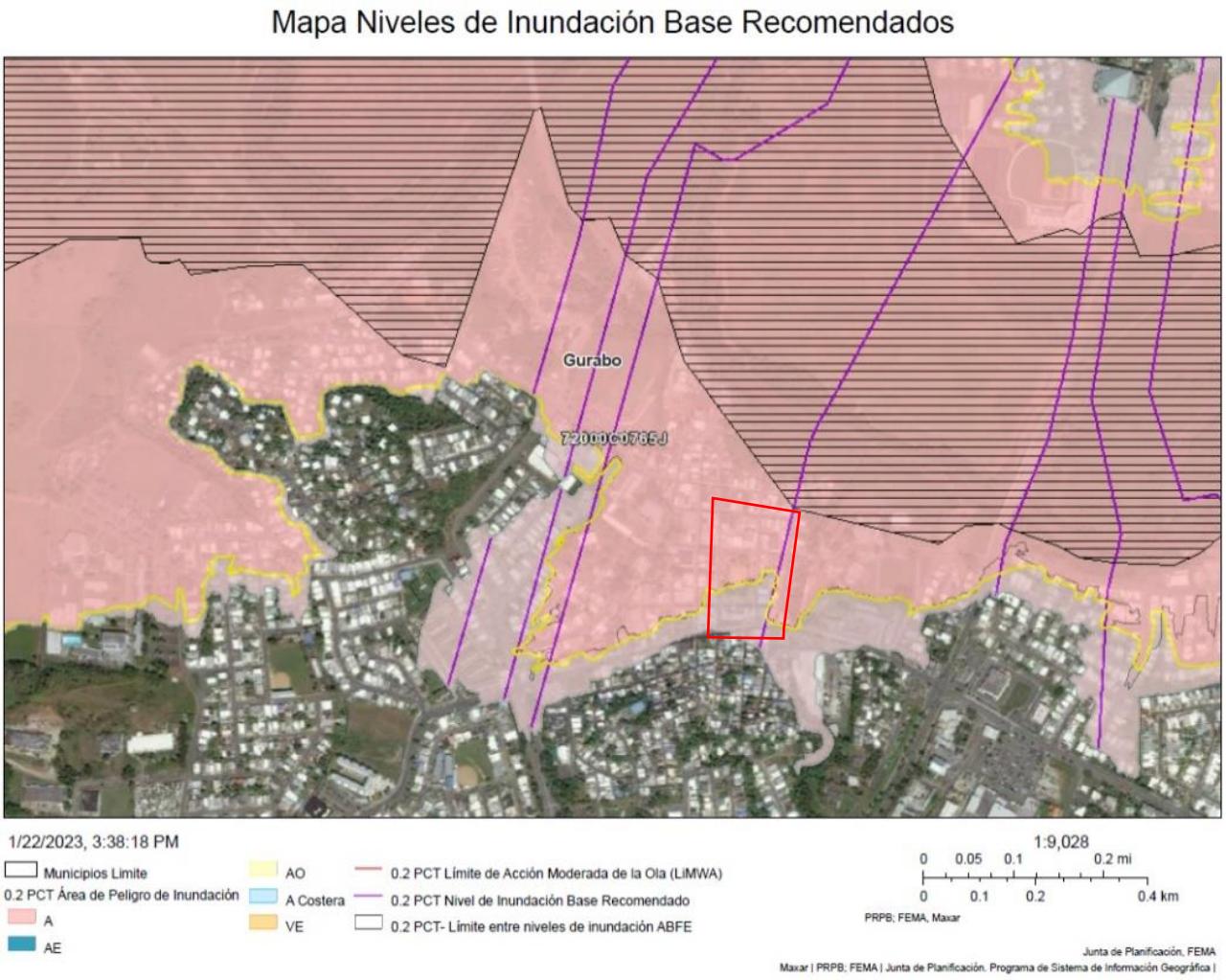
EXHIBIT NO.3 FEMA FIRMette



Source: https://msc.fema.gov/ (FEMA FIRMette)
https://sige.pr.gov/portal/apps/webappviewer/index.html?id=53ed4b9fa37840a88bb44d2a911512fc (ABFE)
Company: Benítez, Ramos & Associates, LLC
Date: 01/22/2023

Project Name: PR-CRP-000549 - Rehabilitación Plaza de los Proceres de Gurabo; and PR-CRP-000559 -Remodelación de aceras alrededor de la Plaza de los Próceres de Gurabo
Location: Angel C. Morales St., San Jose St., Eugenio Sánchez Lopez St., and PR-943 (Plaza); Lago St., Matías Gonzalez St., Angel C. Morales St., PR-943, San Jose St., Juan R. Quinones St., Eugenio Sánchez Lopez St., Santiago, St., and PR-189 (Sidewalks), Gurabo, Puerto Rico
Lat/Long: 18.25557500, -65.97238475

EXHIBIT NO.3a: ABFE's Map



Source: https://msc.fema.gov/ (FEMA FIRMette)
https://sige.pr.gov/portal/apps/webappviewer/index.html?id=53ed4b9fa37840a88bb44d2a911512fc (ABFE)
Company: Benítez, Ramos & Associates, LLC
Date: 01/22/2023

Exhibit 3b: Eight Step Process

U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT:
8-STEP PROCESS

Project Name: PR-CRP-000549 - Rehabilitación Plaza de los Proceres de Gurabo; and PR-CRP-000559 -Remodelación de aceras alrededor de la Plaza de los Próceres de Gurabo

Location: 18.25557500, -65.97238475; Angel C. Morales St., San Jose St., Eugenio Sánchez Lopez St., and PR-943 (Plaza); Lago St., Matías Gonzalez St., Angel C. Morales St., PR-943, San Jose St., Juan R. Quinones St., Eugenio Sánchez Lopez St., Santiago St., and PR-189 (Sidewalks), Gurabo, Puerto Rico, 00778. The plaza cadaster is 200-075-023-01. The rest of the project is on sidewalks which do not have cadaster numbers.

Proposed Project Scope:

The Municipality of Gurabo proposes the revitalization of the Public Town Square and the reconstruction of the existing sidewalks, curbs, and gutters of several streets around the Plaza, namely PR-189, Juan R. Quinones St., Lago St., Matias Gonzalez St., PR-943 (Santiago Street), Eugenio Sanchez Lopez St., San Jose St., and Angel C. Morales St (Refer to Figure 1: Aerial Photograph). The Plaza is bordered by Angel C. Morales St. on the north side, Eugenio Sanchez Lopez St. on the south, PR-943 (Santiago Street) on the west, and the San Jose St. on the east. It has a footprint of approximately 5,006.8 square meters. The project will increase the footprint by approximately 0.9% to 5,393.77 square meters. The sidewalks, curbs and gutters project will be performed inside the streets' right of way (Figure 2: Project Drawings). The whole project will impact an area of approximately 36,054 m2 (8.9 acres).

The proposed Plaza project aims to accomplish the following: establish a unique and signature landmark vision for the Plaza; enhance the connection as a place of gathering, social interaction, and other opportunities to attract and engage users; provide for lighting improvement, signage, pedestrian access, and landscape elements; seating and benches restoration or replacement, as needed; flooring repairs or replacement; patching and painting; redesign parking spaces orientation to improve and maximize amount of spaces; metal railings restoration or replacement; construction of a small new gazebo to match existing; installation of braille pedestals; refurbishing of existing sculptures; enhance and create facilities for pedestrians; ADA accessibility compliance from surrounding areas such as streets, sidewalks, and others.

The proposed sidewalks, curbs, and gutters project aims to improve the sidewalks within the Próceres Public Plaza that extend from Calle Lago to PR-189, and from Calle Matías González to Calle Juan R Quiñones, Gurabo, Puerto Rico. All works will be on sidewalks, curbs and gutters inside the right of way of the existing streets; increase in size or capacity is not expected on this project.

Ground Disturbance activities associated with the Plaza project will include trench excavations (maximum depth less than 3 ft (36 in)) for electric conduits and storm sewer pipes installation; demolition of asphalt pavement (4 inches max.); and removal of existing floor pavers and base reparation, where applicable.

Demolition works will include demolition of existing sidewalks, curbs, pavement, and primary streets (in the areas the Plaza will expand) around the Gurabo Public Plaza. Stairs, raised planters, and walls in the Plaza will be demolished. The Plaza's existing floor tiles will be removed and replaced. The project will also include the removal of the existing mobiliary. Lamps will be replaced in the existing posts (some will remain, and others will be removed and relocated). During Construction, existing trees and sculptures within the public plaza will be protected, as they will remain at the Plaza. An existing kiosk, Domino house and Taxi station will also remain. Stormwater drains will be removed inside the Plaza and an existing stormwater drain outside the Plaza will remain in place.

Construction works include installation of EV charging stations, redesign of parking spaces, preparation of an area with a pad for a future playground, preparation of area for a future stage, construction of a new kiosk with potable and sanitary water and electric connections. The slab of the Plaza will be finished with different hardscape floors. Braille pedestals will be located in corners of the Plaza and green areas will be refurbished. New urban mobiliary, including benches, bleachers, bike racks and trash bins will be installed.

For the sidewalks, curves and gutters, the maximum depth of excavation will be approximately 18 in for concrete gutters. The project includes demolition of existing sidewalks, curbs, pavement, gutters and roads (in areas where concrete gutters are located in the road between the sidewalks) that extend from the Calle Lago to PR-189, and from Calle Matías González to Calle Juan R Quiñones. There will be partial widening of existing sidewalks to comply with ADA regulations and PRTHA Standards. New handicapped ramps for ADA accessibility compliance will be constructed and signage and pavement markings for pedestrian crossings will be installed. Existing inlets that are clogged will be cleaned and relocated, if needed, to adapt to the new geometry.

A Maintenance of Traffic Plan (MOT) and temporary control devices will be implemented to control the vehicular traffic and provide a safe route to pedestrians during the construction works. The MOT will be prepared in compliance with the PRHTA and FHWA standards and regulations.

During the demolition and construction process, erosion and sedimentation control measures will be implemented to avoid sediment discharges into the storm sewer system. Controls to be installed include hay bales (or silt socks) on drainage structures, silt fence around the project limit, and implementation of a stabilized entrance, with truck washout station to avoid sediments track out into the streets. Staging and storage areas for construction materials will be protected with silt fence, or any other measure as needed. All sediment control measures will be inspected according to regulations and will be replaced as needed. If additional measures are required, they will be implemented. Construction works will be performed in compliance with federal and local regulations. The staging area for the projects will be located in Eugenio Sanchez Street.

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

Approximately 68% (approximately 24,505 m2; 6 acres) of the selected site of both projects is located in a floodplain. According to the Flood Insurance Rate Map (FIRM), map panel 72000C0765J, effective date November 18, 2009, the project lies in a 100-year floodplain. The project stands within two zones, namely, Zone X (shaded) (areas of 0.2% Annual Chance Flood Hazard, Areas of 1%

annual chance flood with average depth less than one foot or with drainage areas of less than one square mil, usually depicted on FIRMs as above the 500-year flood level), and Zone AE (area of special flood hazard where base flood elevations have been determined). According to the Puerto Rico Advisory Board Flood Elevations effective date April 18, 2018, the parcel stands within two zones, namely, Zone X (shaded) (areas of 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mil, usually depicted on FIRMs as above the 500-year flood level), and Zone A (area of special flood hazard were base flood elevations have not been determined) (Figure 3: FIRM and ABFE's Maps).

This project does not meet any of the exceptions at 24 CFR 55.12, for this reason, E.O. 19988 applies and therefore requires an 8-step analysis of the direct and indirect impacts associated with the construction, occupancy, and modification of the floodplain.

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

A public notice describing the project was published in El Vocero Newspaper on November 2, 2023 (Figure 4). The ad targeted local residents, including those in the floodplain. The required 15 calendar days were allowed for public comment. The period ended November 17, 2023. As required by regulation, the notice also included the name, proposed location and description of the activity, total number of floodplain and wetland acres involved, and the responsible entity contact for information, as well as a website and the location and hours of the office at which a full description of the proposed action can be viewed.

No comments from the public were received (Figure 5).

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

The Municipality of Gurabo considered several alternative sites and actions believed to satisfy these requirements:

A. Locate the Project Within the Floodplain and/or Wetland

The chosen project location is the Municipality's Public Plaza and surrounding sidewalks. Approximately 68% of the project lies in the floodplain. The use that will be given to the areas on the floodplain is the same as it currently has. The works that will be performed will provide a benefit for the community such as, having an area for urban gathering and cultural events; new green areas, pedestrian access improvements, new sidewalks, curbs, gutters and flooring, and new handicapped ramps that meet ADA code, among others. Sidewalks, curbs and gutters on streets around the Plaza area (refer to Figure 1 and 2) will be improved. Existing inlets that are clogged will be cleaned which will benefit the existing stormwater management system. Drainage patterns will not be affected, and it is understood the area's stormwater system can manage the projects stormwater (Appendix A: Drainage Calculations).

Moreover, since the area to be impacted is owned by the municipality, no acquisition of land would be required.

B. Locate the Project Outside of the Floodplain and Wetland

Off-site Alternative

An off-site alternative was not evaluated because the purpose of this proposed project and its design is specific to this project site opportunity, and no significant adverse impacts related to the proposed action at this site location were considered likely to arise. Relocating the project to another area would not serve the community it is intended to benefit, as neither the Public Plaza nor its adjacent streets would be improved.

Reduced Project Alternative

Reducing the size of the project could potentially reduce some impacts, such as construction period, and impact on the flood zone. However, reducing the project footprint would not avoid the impact, as it is mostly located in the floodplain. A reduced project would not fully realize the potential of this site to provide the area with an opportunity to best meet its residents' needs. Therefore, a reduced-project alternative was not considered.

C. No Action or Alternative Actions that Serve the Same Purpose

No change to the project site would occur and it would continue in its current state for the foreseeable future. The impacts discussed in this document would not occur. No benefits would take place such as providing residents and visitors to the area with a plaza that can be used for leisure as well as cultural activities, with the associated commercial benefits that additional visitors to the Site will bring to nearby areas. Additionally, the stormwater inlets that are clogged in the streets adjacent to the Plaza, included in the sidewalks and gutters project, will not be cleaned. It is unknown at this time if or when another development for the parcel would be forthcoming.

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

The proposed project will be constructed in a previously developed area in Gurabo's urban center. It will increase the footprint of the Plaza by approximately 0.9% to 5,393 square meters. The sidewalks, curbs and gutters' project will be performed inside the streets' right of way. The site is owned by the municipality; thus, no acquisition of land will be required. The project will impact the Plaza and Sidewalks which are not required to have flood insurance; however, all Municipalities of Puerto Rico participate in the National Flood Insurance Program and are currently in good standing with the agency.

Stormwater in the area is superficial and managed by curb and gutter into catch basins that connect to the area's stormwater system which discharges into tributaries of Rio Gurabo. As part of the project, existing inlets in the sidewalks and curbs project that are clogged will be cleaned, benefiting the existing stormwater management system. Drainage patterns will not be affected, and it is understood the area's stormwater system can manage the projects stormwater (Appendix A: Drainage Calculations).

The project does not include any measures that would negatively affect drainage patterns in the vicinity. There will be no change in the streets or sidewalks elevation, and the project does not include

works or changes in the stormwater system. Existing stormwater management conditions at the Site will not be altered.

The Municipality of Gurabo considered the natural and beneficial values of the floodplain. The natural resources of the floodplain include water, biological, and societal resources The project will impact the existing right of way of the streets and sidewalks and the Plaza area, which have been developed since at least 1946. This will avoid further impermeabilization within the floodplain, thus preserving it as it currently is.

Impact to water resources will be minimized by implementing erosion and sedimentation control measures to avoid sediment discharges into the storm sewer system during construction. Green areas are included as part of the proposed design. The Plaza and surrounding streets have been impermeabilized, thus the proposed action should have minimal effects on water resources.

The construction of the project will not adversely affect environmentally sensitive areas or threatened or endangered species. The project conforms with Project Criteria No 2 of the Blanket Clearance Letter for Federally sponsored projects, Housing and Urban Development dated January 14, 2013, and the USFWS concurred with the determination, that insignificant, or discountable effects are anticipated to occur due to the proposed action.

Societal resources were also considered during the design process. The action on this site is meant to establish a unique and signature landmark vision for the Plaza, and enhance its connection as a place of gathering, social interaction and attract users. The works that will be performed will provide a benefit for the community such as, having an area for urban gathering and cultural events; new green areas, pedestrian access improvements, new sidewalks, curbs, gutters and flooring, and new handicapped ramps that meet ADA code, among others. The action will not have an effect on agricultural lands.

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

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

(a) Preserving Lives: The purpose of the project is to improve the conditions of the existing Plaza, sidewalks, curbs, and gutters, and to incorporate ADA compliant ramps and street crossing along the roads. The areas adjacent to the Site are mostly commercial buildings, and residential. There will be no changes to the existing stormwater system, thus stormwater management will not be affected (Appendix A)

(b) Preserving Property: The Municipality of Gurabo participates in the National Flood Insurance Program and is currently in good standing with the agency. The project will impact the existing Plaza, sidewalks, curbs, and gutters which are not required to have flood insurance. The adjacent structures are not expected to experience adverse effects due to the realization of the

project, since the stormwater management infrastructure in the area will remain unchanged, Measures that are included as part of the project are not expected to cause negative effects on the drainage patterns of the areas, for they will remain the same (Appendix A).

(c) Preserving Natural Values and Minimizing Impacts: As part of the project design, stormwater management will not be affected. Impacts to the floodplain will also be limited due to construction occurring within a previously developed Site. Flora and Fauna species present in the area are common and not endangered or threatened species.

The US Fish and Wildlife Services (USFWS) Section 7 Consultation website (https://ipac.ecosphere.fws.gov/location/index) indicates the Puerto Rican Boa could be affected by the action. Notwithstanding, the project conforms to Project Criteria No 2: *Construction of gutters and sidewalks along existing roads and* No. 8: *Improvements to existing recreational facilities, including the installation of roof to existing basketball courts, provided that the lighting associated to the facility are not visible directly or indirectly from the beach* of the Blanket Clearance Letter for Federally sponsored projects, Housing and Urban Development dated January 14, 2013. The USFWS concurred with the determination, thus the project is in compliance with the Endangered Species Act. Insignificant, or discountable effects are anticipated to occur due to the proposed action. The project will adopt the conservation measures that the service has developed for the boa and will implement erosion and sedimentation control measures to prevent adverse effects from the project in the receiving waters.

(d) Restore and preserve the values of the floodplain: The chosen alternative will preserve floodplain values since it does not include changes to the existing drainage patterns. The project will impact the existing right of way of the streets and sidewalks and the Plaza area, which have been developed since at least 1946. This will avoid further impermeabilization within the floodplain, thus preserving it as it currently is.

Step 6: ***Reevaluate the Alternatives.***

There are no practicable alternatives to the proposed project, since its intention is to improve the existing Plaza, sidewalks, curbs, and gutters' condition. The no action alternative is impracticable because it will not satisfy the need to repair the condition of the existing Plaza, sidewalks, curbs, and gutters, and to provide ADA compliant ramps and street crossings.

The proposed project is not expected to aggravate the current hazards to other floodplains or disrupt floodplain values. Mitigation measures, such as implementation of conservation measures to protect any potential Puerto Rican boa species that could be present in the area and erosion and sedimentation control measures to prevent adverse effects from the project in the receiving waters, will be implemented during the project construction.

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

It is the Municipality of Gurabo's determination that there is no practicable alternative for partially locating the project in the flood zone. Works to be performed will benefit the residents and visitors of

the area who will have a place of gathering, and social interaction. It will also enhance and create facilities for pedestrians and will address ADA accessibility compliance from surrounding areas such as streets, sidewalks, and others. Existing inlets that are clogged will be cleaned which will benefit the existing stormwater management system. Drainage patterns will not be affected, and it is understood the area's stormwater system can manage the projects stormwater (Appendix A: Drainage Calculations). Moreover, the Site is owned by the municipality, hence there is no need to acquire land.

A final notice was published and posted consistent with the prior notice. The notice explains the reasons why the project must be located in the floodplain, offers a list of alternatives considered at Steps 3 and 6, and describes all mitigation measures at Step 5 taken to minimize adverse impacts and preserve natural and beneficial floodplain values. The notice is attached to this document (Figure 6). No concerns were expressed by the public concerning this notice.

Step 8: ***Implement the Proposed Action***

The Municipality will ensure that the project will be developed as planned, and that conservation and mitigation measures are implemented during the project's construction. They will also monitor the construction process to ensure unnecessary impacts or risks are not taken. Moreover, an Environmental Review in accordance with 24 CFR Part 58 has been conducted for the proposed project.

Figures:

Figure 1: Aerial Photograph

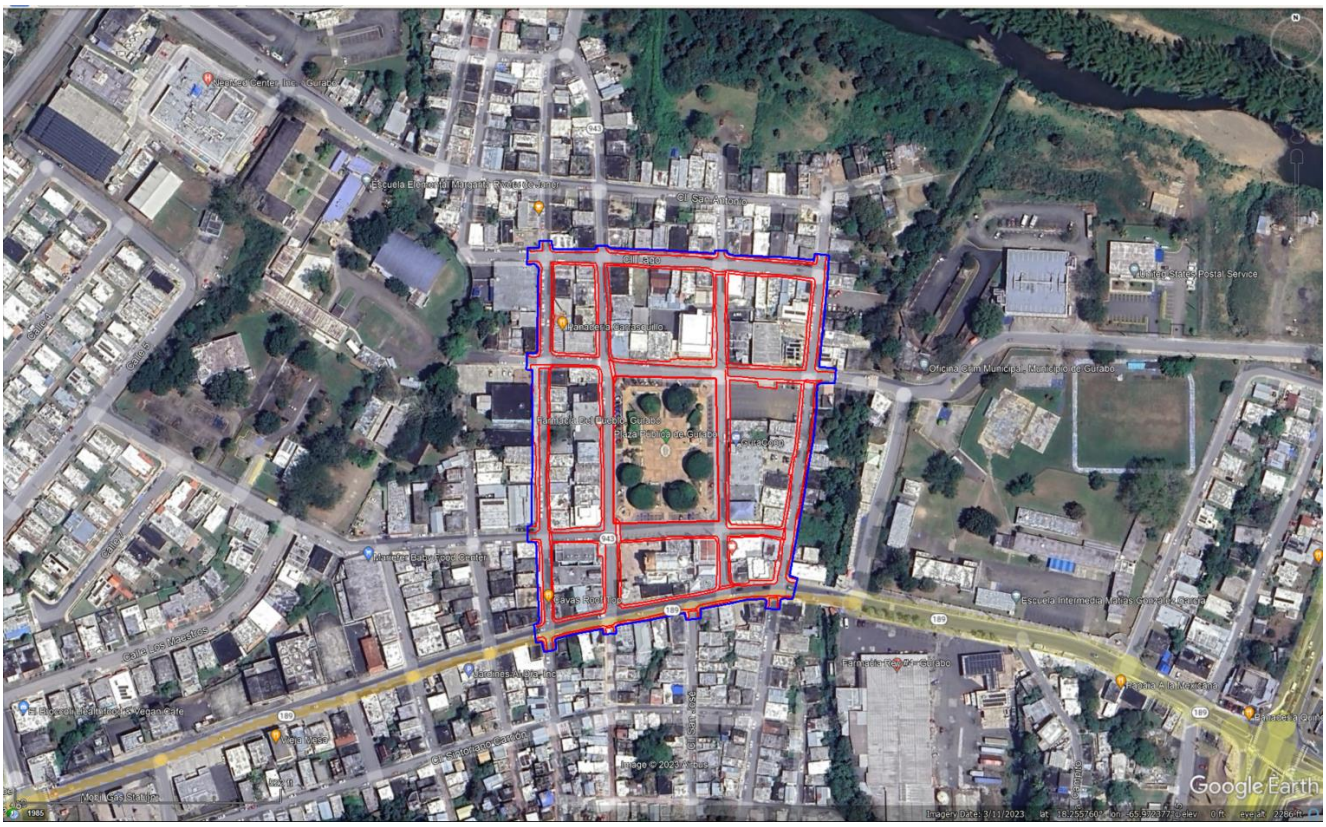
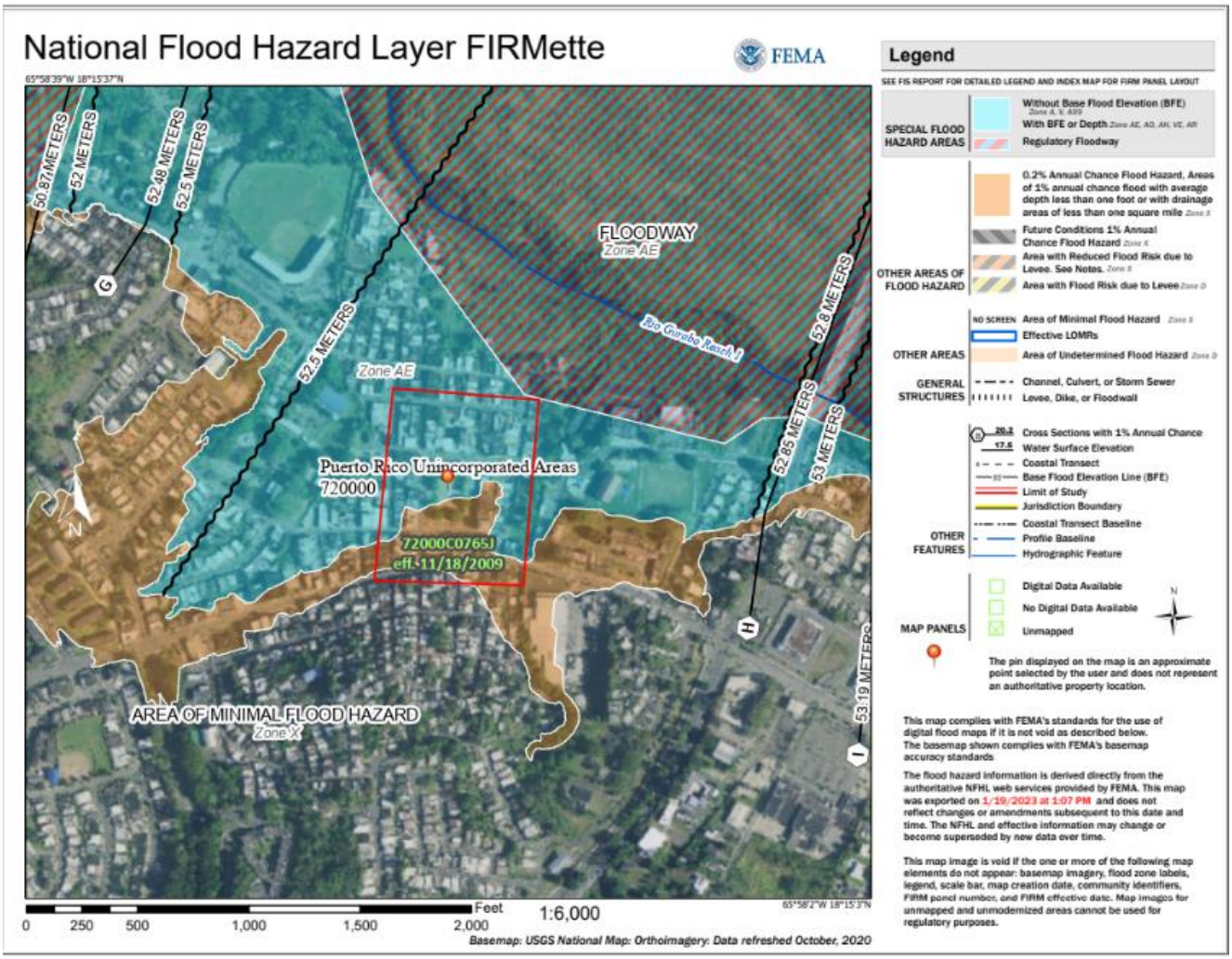


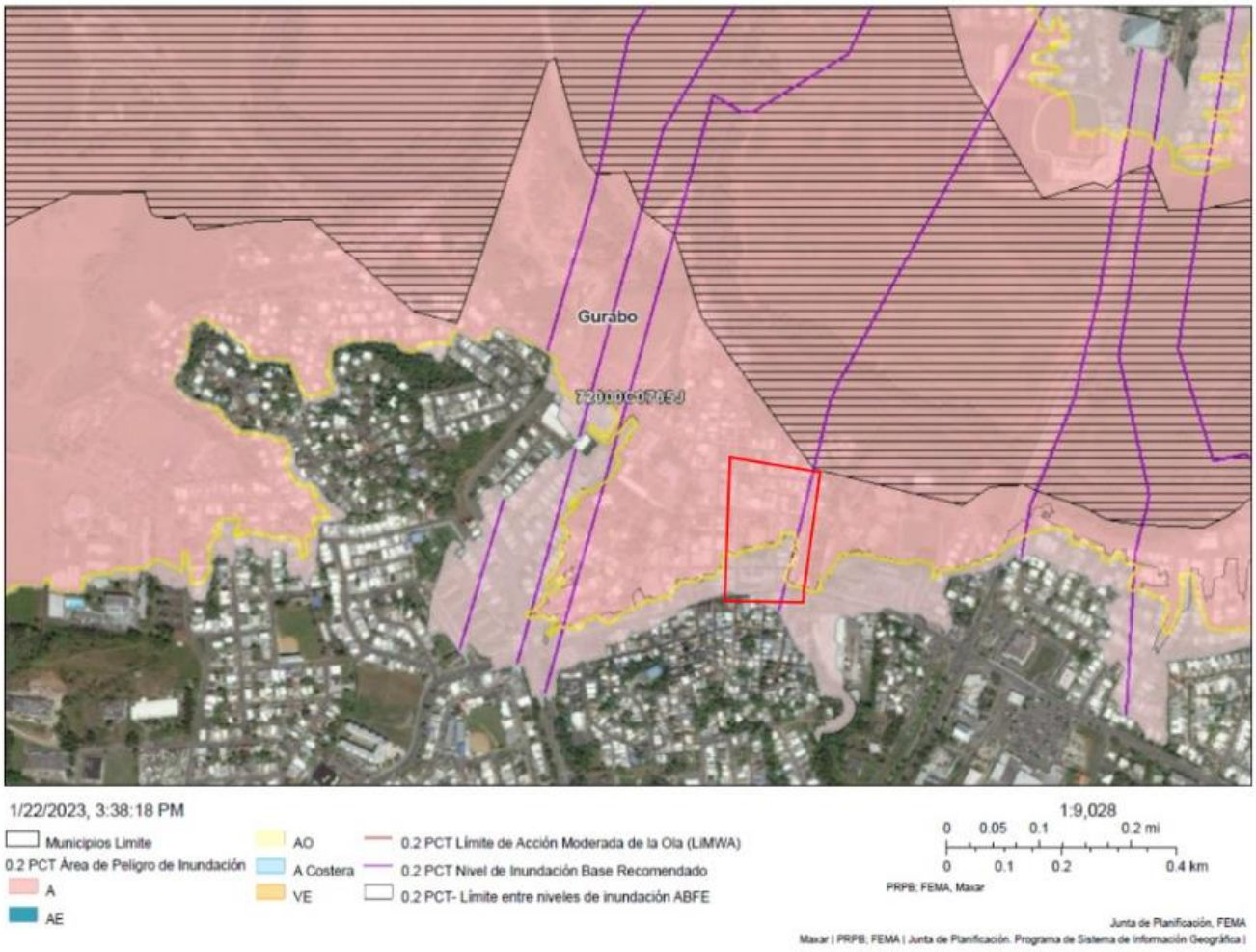
Figure 2: Project Drawings

Figure 3: FEMA FIRMette and ABFE's



SITE

Mapa Niveles de Inundación Base Recomendados



SITE

Figure 4: Public Notice (Step 2)

Andrea Curbelo-Marty

From: environmentcdbg <environmentcdbg@vivienda.pr.gov>
Sent: Friday, November 3, 2023 4:12 PM
To: Jose.A.CedenoMaldonado@hud.gov; Mahon, Donna M; Caribbean_es@fws.gov; Edwin_muniz@fws.gov; Rodriguez.elias@epa.gov; Guerrero.carmen@epa.gov; PublicMail.CESAJ-CC@usace.army.mil; Rich.Okulski@noaa.gov; Noah.Silverman@noaa.gov; nmfs.ser.esa.consultations@noaa.gov; FEMA-R4EHP@fema.dhs.gov; carubio@prshpo.pr.gov; comunicaciones@ddec.pr.gov; secretario@ddec.pr.gov; jannira.colon@ddec.pr.gov; Rivera_r1 @jp.pr.gov; comentarios@jp.pr.gov; pmzc@drna.pr.gov; eortega@drna.pr.gov; ayudaciudadano@drna.pr.gov; anais.rodriguez@drna.pr.gov
Subject: Public Notice – Early Notice and Public Review of a Proposed Activity in the 100-Year Floodplain_PRDOH Case PR-CRP-000549 & PR-CRP-000559
Attachments: Early Notice_El Vocero_PR-CRP-000549&000559.pdf

Concerned agencies,

Enclosed please find a **Public Notice – Early Notice and Public Review of a Proposed Activity in the 100-Year Floodplain** the Puerto Rico Department of Housing (as the Responsible Entity) published as part of HUD's requirements for the release of CDBG-DR funds to undertake the project *Rehabilitación de la Plaza de los Próceres de Gurabo & Remodelación de aceras alrededor de la Plaza de los Próceres de Gurabo (PR-CRP-000549 & PR-CRP-000559)*. The Early Notice was published in the *El Vocero* newspaper of Puerto Rico on November 2, 2023.

Respectfully,

Permits and Environmental Compliance Division
Office of Disaster Recovery
environmentcdbg@vivienda.pr.gov | 787.274.2527
Visit us: www.cdbg-dr.pr.gov

DEPARTAMENTO DE LA VIVIENDA

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PO Box 15074,
San Juan PR 00902

Fax:
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Email:
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Para más información:
787-724-1485 / 787-622-7495

ará en letra tamaño 10 puntos y negrillas, conforme a lo dispuesto en las Reglas de Procedimiento Civil, 2009. Se le apercibe que de no comparecer los interesados y/o partes citadas, o en su defecto los organismos públicos afectados en el término improrrogable de veinte (20) días a contar de la fecha de la última publicación del edicto, el Tribunal podrá conceder el remedio solicitado por la parte peticionaria, sin más citarle ni oírle. En Aguadilla, Puerto Rico, hoy 29 de agosto de 2023. SARAHI REYES PEREZ Secretario (a) Regional Por: Arlene Guzmán Pabón Secretario(a) Auxiliar del Tribunal

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LB-2100 ESTADO LIBRE ASOCIADO DE PUERTO RICO TRIBUNAL GENERAL DE JUSTICIA Tribunal de Primera Instancia Sala de San Juan

MCKENZIE CAPITAL LLC
Demandante
v.

JUNITO BUS LINE INC, ALFONSO GONZALEZ T/C/C ALFONSO GONZALEZ NEVAREZ, GLENDA GUTIERREZ T/C/C GLENDA LEE GUTIERREZ COLON
Demandados
CIVIL NÚM.: SJ2023CV07469 SOBRE: EXEQUATUR EMPLAZAMIENTO POR EDICTO ESTADOS UNIDOS DE AMÉRICA) EL PRESIDENTE DE LOS ESTADOS UNIDOS) SS EL ESTADO LIBRE ASOCIADO DE PUERTO RICO) A: **GLENDA GUTIERREZ** T/C/C GLENDA LEE GUTIERREZ COLON, CARRETERA 14 RAMAL 7729 KM 0.2, BO. HONDURAS, CIDRA, PR, 00739 P.O. BOX 372853, CAYEY, PR, 00737 Por la presente se le notifica que la parte demandante ha presentado ante este Honorable Tribunal una COBRO DE DINERO en su contra. El abogado de la parte demandante es: LCDO. LUIS E. VIVONI LOPEZ 400 Calle Calaf, Suite 145, San Juan, Puerto Rico 00918 Tel./Fax 787-753-8140 No siendo posible diligenciar un emplazamiento personal, el Tribunal ordena que el mismo se lleve a cabo por edicto, el cual se publicará una sola vez en un periódico de circulación general en la isla de Puerto Rico. Se le advierte, que de no comparecer a contestar la Demanda dentro del término de treinta (30) días desde la fecha de la publicación de este edicto, se le anotará la rebeldía y la parte demandante podrá obtener Sentencia a su favor según la suplica de la Demanda, sin más citarle ni oírle. Usted deberá presentar su alegacion responsiva a través del Sistema Unificado de Manejo y Administración de Casos (SUMAC), al cual puede acceder utilizando la siguiente dirección electronica: https://unired.ramajudicial.pr, salvo que se represente por derecho propio, en cuyo caso debera presentar su alegacion responsiva en la secretaria del tribunal. Si usted deja de presentar su alegacion responsiva dentro del referido termino, el tribunal podra dictar sentencia en rebeldia en su contra y conceder el remedio solicitado en la demanda, o cualquier otro, si el tribunal, en el ejercicio de su sana discrecion, lo entiende procedente. EXTENDIDO BAJO MI FIRMA y sello del Tribunal. En San Juan, Puerto Rico, hoy 25 de OCTUBRE de 2023. GRISELDA RODRIGUEZ COLLADO SECRETARIA FICARLA J. RIVERA CLIMENT SUB-SECRETARIA

LB-2101 ESTADO LIBRE ASOCIADO DE PUERTO RICO TRIBUNAL DE GENERAL DE JUSTICIA TRIBUNAL DE PRIMERA INSTANCIA SALA SUPERIOR DE SAN JUAN

P & P GETAWAYS, LLC.
DEMANDANTE
VS.
HENRY MARIO MOLL; FULANO DE TAL Y SUTANA DE TAL
DEMANDADOS
CIVIL NÚM.: SJ2023CV08971 SALA: 802 SOBRE: COBRO DE DINERO EDICTO ESTADOS UNIDOS DE AMERICA) EL PRESIDENTE DE LOS EE. UU.

aviso público

Aviso Preliminar y Revisión Pública de una Actividad
Propuesta en un Valle Inundable de 100 Años

Rehabilitación de la Plaza de los Próceres de Gurabo (PR-CRP-000549) y
Remodelación de aceras alrededor de la Plaza de los Próceres de Gurabo (PR-CRP-000559)

Para: Todas las partes interesadas, grupos e individuos

Este aviso notifica que el Departamento de la Vivienda de Puerto Rico (Vivienda, en adelante) ha determinado que la siguiente acción propuesta bajo el Programa Revitalización de la Ciudad, Subvención en Bloque para el Desarrollo Comunitario – Recuperación ante Desastres (CDBG-DR), números de subvención B-17-DM-72-0001 y B-18-DP-72-0001, se encuentra en un valle inundable de 100 años. Vivienda estará evaluando e identificando alternativas prácticas para realizar la acción propuesta y el impacto potencial en el valle inundable debido a la acción propuesta, según establecido por la Orden Ejecutiva 11988, de acuerdo con las regulaciones de HUD en 24 CFR 55.20 Subparte C - Procedimientos para tomar determinaciones sobre el manejo de llanuras aluviales y la protección de humedales. Los proyectos propuestos, **PR-CRP-000549 y PR-CRP-000559**, se encuentran dentro de un municipio que sufrió daños debido a los huracanes Irma y María, y están localizado en el centro urbano de Gurabo, PR 00778. La plaza está bordeada por las calles Lago, Juan R. Quiñones, San José y Santiago (PR-943). Las aceras se ubican en las calles alrededor de la plaza y las calles colindantes, desde la calle Lago hasta la carretera PR-189 y desde la calle Matías González hasta la calle Juan R. Quiñones.

Los proyectos propuestos proponen la rehabilitación de la Plaza de los Próceres y la reconstrucción de las aceras, encintados, cunetones y calles existentes circundantes a la plaza y dentro del centro urbano de Gurabo. Los proyectos tienen una huella aproximada de 5,006.8 metros cuadrados. La rehabilitación de la Plaza de los Próceres incluye reparación del piso, mejoras a las áreas del estacionamiento, construcción de un pequeño gazebo paraleio al existente y mejoras a los accesos en cumplimiento con la Ley de Estadounidenses con Discapacidades (ADA, por sus siglas en inglés). La remodelación de aceras incluye mejoras a las aceras, encintado y cunetones, para que estén en cumplimiento con la ley ADA.

Los proyectos propuestos tienen un área aproximada de 5,343.88 metros cuadrados (1.3205 acres) con el 65% de la sección norte dentro de la zona de inundación AE, según los mapas de niveles de inundación base recomendados (ABFE, por sus siglas en inglés). Los proyectos no contemplan cambios que afecten directamente el valle inundable. Durante el proceso de demolición y construcción, se utilizarán medidas de control de erosión y sedimentación para evitar descargas de sedimento al sistema de alcantarillado pluvial. Se espera que el proyecto tenga un impacto positivo en las comunidades cercanas, proveyendo un espacio accesible de valor recreacional y cultural en la zona.

Este aviso tiene tres propósitos principales. En primer lugar, las personas que puedan verse afectadas por las actividades en el valle inundable y aquellos que tengan interés en la protección del ambiente natural deben tener la oportunidad de expresar sus inquietudes y proveer información sobre estas áreas. Se exhorta a la comunidad a ofrecer ubicaciones alternas fuera del valle inundable, métodos alternos para cumplir el mismo propósito del proyecto y métodos para minimizar y mitigar los impactos. Segundo, un programa adecuado de avisos públicos puede ser una herramienta importante para la educación pública. La divulgación de información sobre los valles inundables puede facilitar y mejorar los esfuerzos federales por reducir los riesgos e impactos asociados con la ocupación y alteración de estas zonas especiales. Tercero, como materia de justicia, cuando el gobierno federal determine participar en acciones ubicadas en valles inundables, debe informárselo a quienes puedan ser expuestos a un riesgo mayor o similar al presente.

Vivienda considerará todos los comentarios recibidos en o antes de 17 de noviembre de 2023. Pueden enviar los comentarios de forma impresa a la siguiente dirección: Departamento de la Vivienda de Puerto Rico, edificio Juan C. Cordero Dávila, 606 avenida Barbosa, Río Piedras, PR 00918-8461, Atención: Pedro de León-Rodríguez, Especialista en Permisos y Cumplimiento Ambiental. Una descripción completa del proyecto está disponible al público para revisión de 8:30 a. m. a 4:00 p. m. en el Departamento de la Vivienda de Puerto Rico, edificio Juan C. Cordero Dávila, 606 avenida Barbosa, Río Piedras, PR 00918. El número para obtener información es (787) 274-2527, ext. 4320. Como alternativa, también pueden enviar los comentarios a Vivienda por medio electrónico a environmentcdbg@vivienda.pr.gov.

Fecha: 2 de noviembre de 2023

Lcdo. William O. Rodríguez Rodríguez
Secretario del Departamento de la Vivienda

DEPARTAMENTO DE LA VIVIENDA

public notice

Early Notice and Public Review of a Proposed
Activity in a 100-Year Floodplain

Plaza de los Próceres Rehabilitation in Gurabo (PR-CRP-000549) and
remodeling of sidewalks around Plaza de los Próceres in Gurabo (PR-CRP-000559)

To: All Interested Parties, Groups & Individuals

This is to give notice that the Puerto Rico Department of Housing (PRDOH) has determined that the following proposed action under the Community Development Block Grant – Disaster Recovery (CDBG-DR), City Revitalization Program, grant numbers B-17-DM-72-0001 and B-18-DP-72-0001, is located in a 100-year floodplain. PRDOH will be identifying and evaluating practicable alternatives to locate the action in the floodplain and the potential impacts on the floodplain from the proposed action, as required by Executive Order 11988, in accordance with HUD regulations at 24 CFR 55.20 Subpart C - Procedures for Making Determinations on Floodplain Management and Protection of Wetlands. The proposed projects, **PR-CRP-000549 and PR-CRP-000559**, are within a municipality with structures damaged by hurricanes Irma and María, and are located on the urban center of Gurabo, PR 00778. The square is bordered by the streets Lago, Juan R. Quiñones, San José, and Santiago (PR-943). The sidewalks are located on the streets around the square and the adjacent streets, from Lago Street to Road PR-189, and from Matías González Street to Juan R. Quiñones Street.

The proposed projects intend to rehabilitate the Plaza de los Próceres and the reconstruction of the sidewalks, curbs, gutters, and existing streets surrounding the square and within the urban center of Gurabo. The projects have an approximate footprint of 5,006.8 square meters. The rehabilitation of the Plaza de los Próceres includes floor repairs, improvements to parking areas, the construction of a small new gazebo to match next to an existing one, and improvements to access in compliance with the Americans with Disabilities Act (ADA). The proposed sidewalk project includes improvements to the sidewalks, curbs, and gutters to bring them into ADA compliance.

The proposed project has an approximate area of 5,343.88 square meters (1.3205 acres) with 65% of the northern section within a flood zone AE, based on Advisory Base Flood Elevations (ABFE) maps. The project does not contemplate changes that directly affect the floodplain. During the demolition and construction process, erosion and sedimentation control measures will be implemented to avoid sediment discharges into the sewer system. The project is expected to have a positive impact on the nearby communities by providing an accessible recreational space and cultural benefit in the area.

There are three primary purposes for this notice. First, people who may be affected by activities in floodplains and those who have an interest in the protection of the natural environment should be given an opportunity to express their concerns and provide information about these areas. Commenters are encouraged to offer alternative sites outside of the floodplain, alternative methods to serve the same project purpose, and methods to minimize and mitigate impacts. Second, an adequate public notice program can be an important public educational tool. The dissemination of information and request for public comment about floodplains can facilitate and enhance federal efforts to reduce the risks and impacts associated with the occupancy and modification of these special areas. Third, as a matter of fairness, when the federal government determines it will participate in actions taking place in floodplains, it must inform those who may be put at greater or continued risk.

PRDOH will consider all comments received on or before November 17, 2023. Written comments can be sent to the following address: Puerto Rico Department of Housing, 606 Barbosa Avenue, Juan C. Cordero Dávila Building, Río Piedras, PR 00918-8461, Attention: Pedro de León-Rodríguez, Permits and Environmental Compliance Specialist. A complete description of the project is available to the public for review from 8:30 a. m. to 4:00 p. m. at the Puerto Rico Department of Housing, 606 Barbosa Avenue, Juan C. Cordero Dávila Building, Río Piedras, PR 00918. The number to get information is (787) 274-2527, ext. 4320. In the alternative, comments may also be sent to PRDOH by email to environmentcdbg@vivienda.pr.gov.

Date: November 2, 2023

William O. Rodríguez Rodríguez, Esq.
Secretary of the Department of Housing

DEPARTMENT OF HOUSING

Figure 5: No Comment Certification (Step 2)



November 21, 2023

To whom it may concern,

This letter is to validate that no comments were received in the Permits and Environmental Compliance Division e-mail: environmentcdbg@vivienda.pr.gov, for the project *Rehabilitación y Remodelación de aceras alrededor de la Plaza de los Próceres de Gurabo (PR-CRP-000549 & PR-CRP-000559)*, as part of the CDBG-DR City Revitalization Program. The Early Notice and Public Review of a Proposed Activity in the 100-Year Floodplain was published in the *El Vocero* newspaper of Puerto Rico on November 2, 2023, with a comment period that concluded on November 17, 2023.

Cordially,

Permits and Environmental Compliance Division
Disaster Recovery Office
environmentcdbg@vivienda.pr.gov | 787.274.2527 ext. 4320

Andrea Curbelo-Marty

From: Kenneth M. Garcia-De Leon
Sent: Tuesday, November 21, 2023 4:26 PM
To: environmentcdbg
Subject: RE: Comentarios PR-CRP-000549 & PR-CRP-000559

Saludos

Por correo postal no llegaron comentarios para mencionado proyecto.

Atentamente

Kenneth M. García De León
Oficial de Radicación de Informes de Operaciones
Oficina Recuperación de Desastres
kgarcia@vivienda.pr.gov|787.274.2527 Ext. 4013
Visit us: www.cdbg-dr.pr.gov
Write us: infocdbg@vivienda.pr.gov

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From: environmentcdbg <environmentcdbg@vivienda.pr.gov>
Sent: Tuesday, November 21, 2023 4:19 PM
To: Kenneth M. Garcia-De Leon <kgarcia@vivienda.pr.gov>
Subject: Comentarios PR-CRP-000549 & PR-CRP-000559

Saludos Kenneth,

Con respecto a la publicación del Aviso Preliminar y Revisión Pública de una Actividad Propuesta en un valle inundable de 100 años (Paso 2) para el proyecto **Rehabilitación y Remodelación de aceras alrededor de la Plaza de los Próceres de Gurabo (PR-CRP-000549 & PR-CRP-000559)** ¿habrá llegado algún comentario a través del correo postal? De ser así, por favor nos lo hace llegar.

Cordialmente,

Permits and Environmental Compliance Division
Office of Disaster Recovery
environmentcdbg@vivienda.pr.gov | 787.274.2527
Visit us: www.cdbg-dr.pr.gov

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Figure 6: Public Notice (Step 7)

Mireynalisse Feliciano-Mendoza

From: environmentcdbg
Sent: Tuesday, February 27, 2024 3:51 PM
To: 'Jose.A.CedenoMaldonado@hud.gov'; 'Mahon, Donna M'; 'Caribbean_es@fws.gov'; 'Lourdes_Mena@fws.gov'; 'Rodriguez.elias@epa.gov'; 'Guerrero.carmen@epa.gov'; 'PublicMail.CESAJ-CC@usace.army.mil'; 'Rich.Okulski@noaa.gov'; 'Noah.Silverman@noaa.gov'; 'nmfs.ser.esa.consultations@noaa.gov'; 'FEMA-R4EHP@fema.dhs.gov'; 'carubio@prshpo.pr.gov'; 'comunicaciones@ddec.pr.gov'; 'secretario@ddec.pr.gov'; 'jannira.colon@ddec.pr.gov'; 'Rivera_r1@jp.pr.gov'; 'comentarios@jp.pr.gov'; 'pmzc@drna.pr.gov'; 'eortega@drna.pr.gov'; 'ayudaciudadano@drna.pr.gov'; 'anais.rodriguez@drna.pr.gov'
Subject: Public Notice – Notice of Intent to Request a Release of Funds_PRDOH Case PR-CRP-000549, PR-CRP-000559
Attachments: Final Notice_El Nuevo Día_PR-CRP-000549_000559.pdf

Concerned agencies,

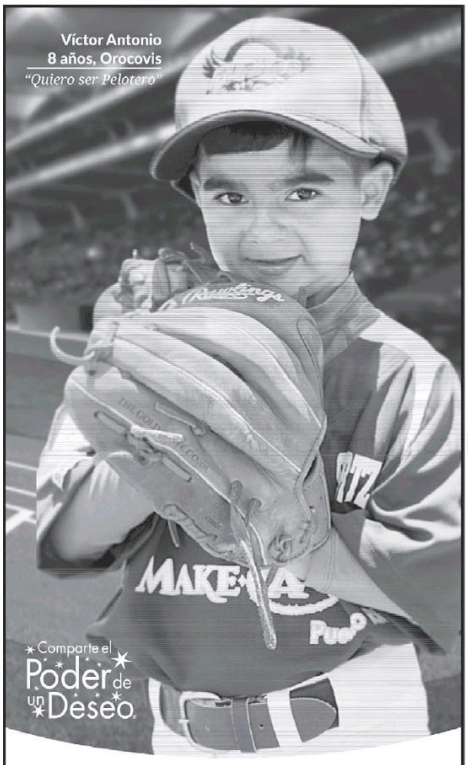
Enclosed please find a **Public Notice – Final Notice and Public Explanation of a Proposed Activity in a 100-Year Floodplain** the Puerto Rico Department of Housing (as the Responsible Entity) published as part of HUD's requirements for the release of CDBG-DR funds to undertake the project *Rehabilitación de aceras de la Plaza de los Próceresde Gurabo* (PR-CRP-000549, PR-CRP-000559). The Final Notice was published in the *El Nuevo Día* newspaper of Puerto Rico on February 24, 2024.

Respectfully,

Permits and Environmental Compliance Division
Disaster Recovery Office
environmentcdbg@vivienda.pr.gov | 787.274.2527
Visit us: recuperacion.pr.gov
Contact us: infocdbg@vivienda.pr.gov

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aviso público

Aviso Final y Explicación Pública de una Actividad Propuesta en un valle inundable de 100 años

Rehabilitación Plaza de los Proceres de Gurabo y
Remodelación de aceras alrededor de la Plaza de los Próceres de Gurabo
PR-CRP-000549 y PR-CRP-000559

Para: Todas las partes interesadas, grupos e individuos

Este aviso notifica que el Departamento de la Vivienda de Puerto Rico (Vivienda) completó una evaluación según establece la Orden Ejecutiva 11988, de acuerdo con los reglamentos de HUD en 24 CFR 55.20 Subparte C - Procedimientos para hacer determinaciones sobre el manejo del valle inundable y la protección de humedales. La actividad está subvencionada con fondos del Programa de Revitalización de la Ciudad (CRP, por sus siglas en inglés) , Subvención en Bloque para el Desarrollo Comunitario – Recuperación ante Desastres (CDBG-DR), número de subvención B-17-DM-72-0001, B-19-DP-72-0001 y B-19-DP-78-0002. Los proyectos propuestos, **PR-CRP-000549** (Plaza) y **PR-CRP-000559** (Aceras), están localizado en las calles Ángel C. Morales, San José, Eugenio Sánchez López y PR-943 (Plaza); Calles Lago, Matías González, Ángel C. Morales, PR-943, San José, Juan R. Quiñones, Eugenio Sánchez López, Santiago, y PR-189 (Aceras), en Gurabo, Puerto Rico.

El proyecto propuesto para la Plaza consiste en la revitalización de la Plaza Pública e incluye mejoras en iluminación, señalización, acceso peatonal y elementos paisajísticos; reemplazar bancos y asientos; reemplazar pavimentos; rediseñar la orientación de los espacios de estacionamiento; restaurar o reemplazar barandillas metálicas; construcción de un nuevo quiosco similar al existente; instalar pedestales en braille; restaurar esculturas existentes; cumplir con ADA desde áreas circundantes como calles, aceras y otros. El proyecto de las aceras se enfoca en la reconstrucción de las aceras y encintado existentes de las calles alrededor de la Plaza y calle aledañas en el centro urbano ya mencionadas. Habrá un ensanchamiento parcial de las aceras existentes para cumplir con las regulaciones de la ADA y los estándares de PRTHA. Ambos proyectos impactarán un área de aproximadamente 36,054 m2 (8.9 acres). Según los Mapas de Inundación base con fecha efectiva del 13 de abril de 2018, aproximadamente el 68% (11,549 m2; 6 acres) del área del proyecto ubica en el valle inundable (Zona A). El área restante (11,549 m2; 2.85 acres) de la acción propuesta está fuera del valle inundable (Zona X (sombreada). El área que se encuentra en el valle inundable ha sido previamente desarrollada y está ocupada por la Plaza, aceras, encintados, cunetas y calles.

Vivienda ha considerado las siguientes alternativas y medidas de mitigación para minimizar los impactos adversos y restaurar y preservar los valores naturales y beneficiosos:

(i) Alternativa seleccionada: Se identificó la plaza y la reconstrucción de las aceras para mejorar y revitalizar el centro urbano de Gurabo por las siguientes razones: el Municipio de Gurabo es dueño del predio, cuenta con la infraestructura necesaria, y no afectará el valle inundable ya que no habrá un cambio en el uso actual del predio. Además el proyecto va a proveer mejores espacios de recreación a las comunidades de ingresos bajos y moderados del área.

(ii) Las siguientes alternativas fueron consideradas y descartadas: la reubicación de las mejoras de la plaza y aceras implicaría que los residentes en esta área inmediata no tendrían el mismo acceso a la plaza. Esta alternativa no considera la importancia histórica y cultural, y la política del Estado el preservar estructuras históricas como ésta. La alternativa de reducir el alcance del proyecto podría reducir algunos impactos, como el período de construcción y el impacto en la zona de inundación. Esta alternativa no evitaría el impacto, ya que la mayor parte del área del proyecto se encuentra en el valle inundable. Un proyecto reducido no satisface las necesidades de los residentes del área. La alternativa de no acción resultaría en el deterioro y abandono de la zona, además de no proveer áreas con acceso adecuado y atender las necesidades existentes. Por lo tanto, ambas alternativas no se ha considerado aceptable para este proyecto.

(iii) El proyecto no incluye medidas que afectarían negativamente los patrones de drenaje en la zona. Durante la construcción del proyecto se implementarán medidas de mitigación, como control de erosión y sedimentación para prevenir efectos adversos del proyecto en las aguas receptoras del predio. Los proyectos cumplirán con todas las disposiciones establecidas en las leyes y reglamentos locales y federales aplicables.

Vivienda reevaluó las alternativas para construir en el **valle inundable** y que no cuenta con alternativas prácticas. La documentación ambiental que evidencia el cumplimiento de los pasos 3 a 6 de la Orden Ejecutiva 11988, está disponible para inspección, revisión y reproducción de parte del público, de ser solicitado, en el horario y lugar indicado en el último párrafo sobre recibo de comentarios de este aviso.

Este aviso tiene tres propósitos principales. Primero, las personas que pueden verse afectadas por actividades en **valle inundable** y aquellos que tengan interés en la protección del ambiente natural deben recibir la oportunidad de expresar sus inquietudes y proveer información sobre estas áreas. Segundo, un programa adecuado de avisos públicos puede ser una importante herramienta de educación pública. La divulgación de información y solicitud de comentarios sobre **valle inundable** puede facilitar y mejorar los esfuerzos federales para reducir los riesgos e impactos asociados con la ocupación y alteración de estas áreas especiales. Tercero, como materia de justicia, cuando el gobierno federal determine participar en acciones ubicadas en **valle inundable**, debe informárselo a quienes puedan ser expuestos a un riesgo mayor o similar al presente.

Vivienda considerará todos los comentarios recibidos en o antes del 10 de marzo de 2024. Pueden enviar los comentarios de forma impresa a la siguiente dirección: Departamento de la Vivienda de Puerto Rico, edificio Juan C. Cordero Dávila, 606 avenida Barbosa, Río Piedras, PR 00918-8461, Atención: Pedro A. De Leon-Rodriguez, Especialista en Permisos y Cumplimiento Ambiental. Una descripción completa del proyecto está disponible al público para revisión de 8:30 a.m. a 4:00 p.m. en el Departamento de la Vivienda de Puerto Rico, edificio Juan C. Cordero Dávila, 606 avenida Barbosa, Río Piedras, PR 00918. El número para obtener información es (787)274-2527 ext. 4320. Como alternativa, también pueden enviar los comentarios a Vivienda por medio electrónico a environmentcdbg@vivienda.pr.gov.

Fecha: 24 de febrero de 2024

Lcdo. William O. Rodríguez Rodríguez
Secretario del Departamento de la Vivienda

Autorizado por la Oficina del Contralor
Electoral OCE-SA-2023-00076

public notice

Final Notice and Public Explanation of a Proposed Activity in a 100-Year Floodplain

Rehabilitación Plaza de los Proceres de Gurabo y
Remodelación de aceras alrededor de la Plaza de los Próceres de Gurabo
PR-CRP-000549 and PR-CRP-000559

To: All Interested Parties, Groups & Individuals

This is to give notice that the Puerto Rico Department of Housing (PRDOH) has conducted an evaluation as required by the Executive Order 11988, in accordance with HUD regulations at 24 CFR 55.20 Subpart C - Procedures for Making Determinations on Floodplain Management and Wetlands Protection. The activity is funded under the Community Development Block Grant – Disaster Recovery (CDBG-DR), City Revitalization Program (CRP), Grant number B-17-DM-72-0001, B-19-DP-72-0001 and B-19-DP-78-0002. The proposed project, **PR-CRP-000549** (Plaza) and **PR-CRP-000559** (sidewalks), is located at Angel C. Morales St., San Jose St., Eugenio Sánchez Lopez St., and PR-943 (Plaza); Lago St., Matías Gonzalez St., Angel C. Morales St., PR-943, San Jose St., Juan R. Quinones St., Eugenio Sánchez Lopez St., Santiago St., and PR-189 (Sidewalks), in Gurabo, Puerto Rico.

The proposed project at the Plaza consists of the revitalization of the Public Town Square which include lighting improvement, signage, pedestrian access, and landscape elements; seating and benches replacement; flooring replacement; redesign parking spaces; metal railings restoration or replacement; construction of a new kiosk to match existing; installation of braille pedestals; refurbishing of existing sculptures; enhance and create facilities for pedestrians; ADA accessibility compliance from surrounding areas such as streets, sidewalks, and others. The proposed sidewalks project aims to improve the sidewalks and curbs of the town square and streets within the urban center previously mentioned. There will be partial widening of existing sidewalks to comply with ADA regulations and PRTHA Standards. Both projects will impact an area of approximately 36,054 m2 (8.9 acres). According to the Puerto Rico Advisory Board Flood Elevations effective date April 13, 2018, approximately 68% (approximately 11,549 m2; 6 acres) of the projects area will be located in a 100-year floodplain (Zone A). The remainder of the site 11,549 sq. meters; 2.85 acres) lies in Zone X (shaded), outside the floodplain. The area that lies in the floodplain has been previously developed, and it's occupied by the Plaza, sidewalks, gutters and streets the project will impact.

PRDOH has considered the following alternatives and mitigation measures to be taken to minimize adverse impacts and to restore and preserve natural and beneficial values:

(i) Selected alternative: The plaza and the reconstruction of the sidewalks were identified to improve and revitalize the urban center of Gurabo for the following reasons: the Municipality of Gurabo is the owner of the property, it has the necessary infrastructure, and it will not affect the floodplain since there will be no change in the current use of the property. Additionally, the project will provide better recreational spaces to low and moderate income communities in the area.

(ii) The following alternatives were considered and discarded: Relocation of the plaza and sidewalk improvements would mean that residents in this immediate area would not have equal access to the plaza. This alternative does not consider the historical and cultural importance, and the State's policy to preserve historical structures. The alternative of reducing the scope of the project could reduce some impacts, such as the construction period and the impact on the flood zone. This alternative would not avoid the impact, since most of the project area is located in the floodplain. A reduced project does not meet the needs of the residents in the area. The no-action alternative would result in the deterioration and abandonment of the area, in addition to not providing areas with adequate access and addressing existing needs. Therefore, both alternatives have not been considered acceptable for this project.

(iii) The project does not include activities that would negatively affect drainage patterns in the area. During the construction of the project, mitigation measures will be implemented, such as erosion and sedimentation control, to prevent adverse effects of the project on the receiving waters of the property. Projects will comply with all provisions established in applicable local and federal laws and regulations.

PRDOH has reevaluated the alternatives to building in the **floodplain** and has determined that it has no practicable alternative. Environmental files that document compliance with steps 3 through 6 of 24 Executive Order 11988 are available for public inspection, review and copying upon request at the times and location delineated in the last paragraph of this notice for receipt of comments.

There are three primary purposes for this notice. First, people who may be affected by activities in **floodplain** and those who have an interest in the protection of the natural environment should be given an opportunity to express their concerns and provide information about these areas. Second, an adequate public notice program can be an important public education tool. The dissemination of information and request for public comment about **floodplain** can facilitate and enhance Federal efforts to reduce the risks and impacts associated with the occupancy and modification of these special areas. Third, as a matter of fairness, when the Federal government determines it will participate in actions taking place in **floodplain**, it must inform those who may be put at greater or continued risk.

PRDOH will consider all comments received on or before March 10, 2024. Written comments can be sent to the following address: Puerto Rico Department of Housing, 606 Barbosa Avenue, Juan C. Cordero Dávila Building, Río Piedras, PR 00918-8461, Attention: Pedro A. De Leon-Rodriguez, Permits and Environmental Compliance Specialist. A complete description of the project is available to the public for review from 8:30 am to 4:00 pm at the Puerto Rico Department of Housing, 606 Barbosa Avenue, Juan C. Cordero Dávila Building, Río Piedras, PR 00918. The number to get information is (787)274-2527 ext. 4320. In the alternative, comments may also be sent to PRDOH by email at environmentcdbg@vivienda.pr.gov.

Date: February 24, 2024

William O. Rodríguez Rodríguez, Esq.
Secretary of the Department of Housing

Authorized by the Office of the Electoral
Comptroller OCE-SA-2023-00076

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Figure 8: No Comment Certification (Step 7)

Validation Letter

March 12, 2024

To whom it may concern,

This letter is to validate that no comments were received in the Permits and Environmental Compliance Division e-mail: environmentcdbg@vivienda.pr.gov, for the project *Rehabilitación Plaza de los Proceres de Gurabo* (PR-CRP-000549) *y Remodelación de aceras alrededor de la Plaza de los Próceres de Gurabo* (PR-CRP-000559), as part of the CDBG-DR City Revitalization Program. The Final Notice and Public Explanation of a Proposed Activity in a 100-Year Floodplain was published in the *El Nuevo Día* newspaper of Puerto Rico on February 24, 2024, with a comment period that concluded on March 10, 2024.

Cordially,

Permits and Environmental Compliance Division
Disaster Recovery Office
environmentcdbg@vivienda.pr.gov | 787.274.2527 ext. 4320

Andrea Curbelo-Marty

From: Kenneth M. Garcia-De Leon
Sent: Tuesday, March 12, 2024 9:51 AM
To: environmentcdbg
Subject: RE: Comentarios - Aviso Final PR-CRP-000549/PR-CRP-000559

Saludos:

Por correo postal no legaron comentarios para mencionado proyecto.

Atentamente,

Kenneth M. García De León
Especialista en Control de Documentos / Operaciones
Oficina Recuperación de Desastres
kgarcia@vivienda.pr.gov|787.274.2527 Ext. 4013
Visitanos: recuperacion.pr.gov
Contactanos: infocdbg@vivienda.pr.gov

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From: environmentcdbg <environmentcdbg@vivienda.pr.gov>
Sent: Tuesday, March 12, 2024 9:37 AM
To: Kenneth M. Garcia-De Leon <kgarcia@vivienda.pr.gov>
Subject: Comentarios - Aviso Final PR-CRP-000549/PR-CRP-000559

Saludos Kenneth,

Con respecto a la publicación del Aviso Final y Explicación Pública de una Actividad Propuesta en un valle inundable de 100 años (Paso 7) para el proyecto **Rehabilitación Plaza de los Proceres de Gurabo (PR-CRP-000549) y Remodelación de aceras alrededor de la Plaza de los Próceres de**

Gurabo (PR-CRP-000559) ¿habrá llegado algún comentario a través del correo postal? De ser así, por favor nos lo hace llegar.

Cordialmente,

Permits and Environmental Compliance Division
Disaster Recovery Office
environmentcdbg@vivienda.pr.gov | 787.274.2527
Visit us: recuperacion.pr.gov
Contact us: infocdbg@vivienda.pr.gov

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Appendix 1: Drainage Calculations

BR&A LLC
PROJECT MANAGEMENT • ENGINEERING • DESIGN

Municipio de Gurabo

DRAINAGE CALCULATIONS



PR-CRP-000559
REVITALIZATION OF
PLAZA LOS PROCERES
GURABO, PR

PR-CRP-000549 - Plaza Pública de los Próceres de Gurabo
Bo. Pueblo, Gurabo PR
Gobierno Municipal de Gurabo Calle Antonio R. Barceló, Barrio Pueblo

MEMORIAL EXPLICATIVO

Descripción del Solar

El proyecto propuesto se encuentra localizado en el Bo. Pueblo del Municipio de Gurabo. El solar está identificado en el CRIM con el número de catastro **200-075-023-01**. La calificación del lote es **DT-G** (Dotacional General).



Ámbito

El proyecto consiste en la revitalización de la Plaza Pública del Municipio de Gurabo, conformada por las calles: Angel Celestino Morales (norte), Eugenio Sánchez López (sur), San Jose (este), y la carretera estatal PR-943 (oeste). Actualmente, la plaza está compuesta por un área abierta de 5,009.9232 metros cuadrados aproximados, según los datos del Geolocalizador. Las mejoras incluyen; mejoras al sistema de alumbrado en la plaza, instalación de mobiliario urbano (bancos, zafacones y gazebo); restauración del piso, reconstrucción del kiosko existente; nuevo kiosko, mejoras a las facilidades de estacionamiento, y rampas de acceso en cumplimiento con la Ley ADA; mejoras en áreas verdes.

La actividad propuesta se mantendrá dentro de la huella existente que comprende la plaza, haciendo pequeñas expansiones para crear cruces peatonales en cumplimiento con el reglamento de ADA y los planos modelos de la ACT.

Sistema de drenaje Pluvial:

El drenaje actual de la plaza es superficial descargando a dos puntos alrededor de la plaza (área 1 descarga hacia cuento existente al lado oeste de la plaza, donde continua hasta descargar a un drenaje existente fuera del límite del proyecto. El Area 2 descarga a un inlet existente localizado al lado norte-oeste de la plaza. Este a su vez conecta con un box culvert 24”x24”. Algunas estructuras de drenaje observadas en la plaza no están en funcionamiento.



Inlet existente (punto de descarga Area 1)

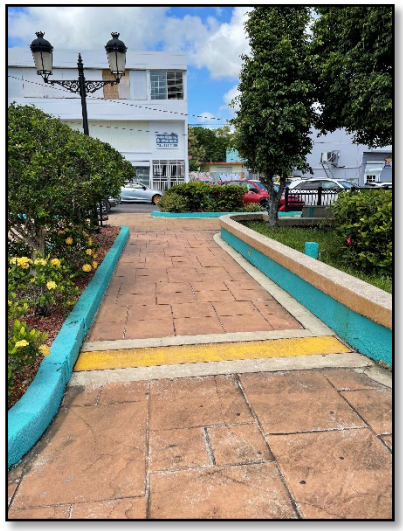


Cunetón existente (punto de descarga Area 2)

Drenajes existente que no están en uso:



Drenaje tapado, no se encontro tubo de salida.



Trincheras para pase de cableria electrica

INDEX

1. METHODOLOGY, FLOW CALCULATIONS TABLE AND RESULTS
2. CATCHMENT AREAS PLANS (EXISTING CONDITIONS)
3. CATCHMENT AREAS PLANS (PROPOSED CONDITIONS)
4. NOAA ATLAS 14 (PRECIPITATION FREQUENCY ESTIMATES (INTENSITY TABLE))
5. PROPOSED GRADING PLAN (refer to dwg. C300 to C313-GRADING PLANS)

PROJECT	PROJECT CODE	DESIGN STAGE
Plaza Publica Gurabo	22023	FINAL PLANS

DATE	PREPARED BY	CHECKED BY
1/8/2024	L.Rodriguez	

BR&A LLC
PROJECT MANAGEMENT • ENGINEERING • DESIGN

DRAINAGE STRUCTURES CALCULATIONS

Item:	AREA RUNOFF CALCULATIONS
Reference:	NOAA PRECIPITATION DATA

AREA 1	To discharge into existing inlet
AREA 2	To discharge through existing gutter (to continue to existing drainage structure outside project limit)

EXISTING CONDITIONS

AREA ID	SqM	Acres	C	I (IN/HR)	FLOW (Q) CFS		COMMENTS
G1	279.65	0.06910296	0.12	9.22	0.076		GREEN AREA
C1	1114.43	0.27538141	0.87	9.22	2.209		CONCRETE SURFACE PLAZA
R1	948.21	0.23430759	0.80	9.22	1.728		ROADWAY AREA
G2	880.56	0.21759092	0.12	9.22	0.241		GREEN AREA
C2	2333.57	0.5766372	0.87	9.22	4.625		CONCRETE SURFACE PLAZA
R2	1037.27	0.25631477	0.80	9.22	1.891		ROADWAY AREA
				Total Q =	**10.770**		
							PRECIPITATION FREQUENCY FOR 5-min DURATION, 25-YEAR RECURRENCE INTERVAL

PROPOSED CONDITIONS

AREA ID	SqM	Acres	C	I (IN/HR)	FLOW (Q) CFS		COMMENTS
G1	217.39	0.05371819	0.12	9.22	0.059		GREEN AREA
C1	1392.64	0.34412853	0.87	9.22	2.760		CONCRETE SURFACE PLAZA
R1	732.03	0.18088839	0.80	9.22	1.334		ROADWAY AREA
G2	887.01	0.21918475	0.12	9.22	0.243		GREEN AREA
C2	2735.86	0.67604513	0.87	9.22	5.423		CONCRETE SURFACE PLAZA
R2	628.76	0.15536984	0.80	9.22	1.146		ROADWAY AREA
				Total Q =	**10.965**		
							PRECIPITATION FREQUENCY FOR 5-min DURATION, 25-YEAR RECURRENCE INTERVAL

			CONTRIBUTING AREA											
PIPE ID	**FROM**	**TO STR.**	**AREA ID**	**AREA Sqm**	**AREA acres**	**Q IN FROM AREA**	**Q IN FROM UPSTREAM STRUCT.**	**TOTAL FLOW (CFS)**	**Culvert**	**SLOPE**	**ROUGHNESS**	**MAX CAPACITY**	**FLOW/ CAPACITY**	**CHECK**
Ex.Inlet	Surface	Ex.In1	G1	279.65	0.069103	0.08	0.00	**4.01**	24	2.00%	0.013	17.05	23.5%	OK
(existing)			C1	1114.43	0.275381	2.21	0.00							
			R1	948.21	0.234308	1.73	0.00							
							Total flow Exist. =	**4.01**						

			CONTRIBUTING AREA											
PIPE ID	**FROM**	**TO STR.**	**AREA ID**	**AREA Sqm**	**AREA acres**	**Q IN FROM AREA**	**Q IN FROM UPSTREAM STRUCT.**	**TOTAL FLOW (CFS)**	**Culvert**	**SLOPE**	**ROUGHNESS**	**MAX CAPACITY**	**FLOW/ CAPACITY**	**CHECK**
Ex.Inlet	Surface	Ex.In1	G2	217.39	0.053718	0.06	0.00	**4.15**	24	2.00%	0.013	17.05	24.4%	OK
(proposed)			C2	1392.64	0.344129	2.76	0.00							
			R2	732.03	0.180888	1.33	0.00							
							Total flow Prop. =	**4.15**						

NOAA Atlas 14, Volume 3, Version 4
Location name: Gurabo, Puerto Rico, PRI*
Latitude: 18.2556°, Longitude: -65.9724°
Elevation: 172 ft**
* source: ESRI Maps
** source: USGS

POINT PRECIPITATION FREQUENCY ESTIMATES

G.M. Bonnin, D. Martin, B. Lin, T. Parzybok, M.Yekta, and D. Riley

NOAA, National Weather Service, Silver Spring, Maryland

PF_tabular | PF_graphical | Maps_&_aerials

PF tabular

PDS-based point precipitation frequency estimates with 90% confidence intervals (in inches/hour)[1]

Duration	Average recurrence interval (years)									
	1	2	5	10	25	50	100	200	500	1000
5-min	**4.60** (4.16-5.33)	**5.88** (5.23-6.73)	**7.08** (6.30-8.08)	**8.00** (7.10-9.13)	**9.22** (8.12-10.5)	**10.1** (8.92-11.6)	**11.1** (9.64-12.7)	**12.0** (10.4-13.8)	**13.3** (11.4-15.4)	**14.2** (12.1-16.6)
10-min	**3.14** (2.84-3.64)	**4.01** (3.58-4.60)	**4.84** (4.31-5.51)	**5.47** (4.85-6.23)	**6.29** (5.56-7.18)	**6.93** (6.09-7.93)	**7.56** (6.58-8.68)	**8.20** (7.09-9.46)	**9.06** (7.76-10.5)	**9.72** (8.26-11.4)
15-min	**2.69** (2.43-3.12)	**3.44** (3.06-3.93)	**4.14** (3.68-4.72)	**4.68** (4.15-5.34)	**5.39** (4.75-6.14)	**5.93** (5.21-6.78)	**6.47** (5.64-7.42)	**7.02** (6.06-8.10)	**7.75** (6.64-9.00)	**8.32** (7.07-9.71)
30-min	**2.15** (1.95-2.50)	**2.75** (2.45-3.15)	**3.31** (2.95-3.78)	**3.75** (3.32-4.27)	**4.31** (3.80-4.91)	**4.75** (4.17-5.43)	**5.18** (4.51-5.94)	**5.62** (4.85-6.48)	**6.21** (5.32-7.21)	**6.66** (5.66-7.78)
60-min	**1.60** (1.44-1.85)	**2.04** (1.82-2.34)	**2.46** (2.19-2.80)	**2.78** (2.46-3.17)	**3.20** (2.82-3.65)	**3.52** (3.09-4.03)	**3.84** (3.35-4.41)	**4.17** (3.60-4.81)	**4.60** (3.94-5.34)	**4.94** (4.20-5.77)
2-hr	**1.11** (0.962-1.26)	**1.39** (1.23-1.61)	**1.75** (1.54-2.03)	**2.02** (1.78-2.35)	**2.40** (2.08-2.78)	**2.69** (2.32-3.13)	**2.98** (2.55-3.49)	**3.28** (2.78-3.87)	**3.70** (3.10-4.39)	**4.03** (3.34-4.81)
3-hr	**0.795** (0.697-0.929)	**1.02** (0.896-1.19)	**1.31** (1.15-1.53)	**1.54** (1.34-1.80)	**1.85** (1.60-2.17)	**2.10** (1.79-2.47)	**2.35** (1.98-2.78)	**2.61** (2.19-3.12)	**2.98** (2.46-3.58)	**3.27** (2.67-3.95)
6-hr	**0.482** (0.418-0.568)	**0.629** (0.546-0.741)	**0.842** (0.730-0.989)	**1.01** (0.872-1.19)	**1.24** (1.06-1.47)	**1.44** (1.21-1.70)	**1.63** (1.36-1.95)	**1.85** (1.52-2.21)	**2.14** (1.74-2.59)	**2.38** (1.90-2.90)
12-hr	**0.280** (0.240-0.335)	**0.368** (0.315-0.442)	**0.508** (0.434-0.608)	**0.622** (0.528-0.746)	**0.786** (0.656-0.944)	**0.921** (0.759-1.11)	**1.06** (0.865-1.29)	**1.22** (0.976-1.49)	**1.44** (1.13-1.77)	**1.62** (1.25-2.00)
24-hr	**0.164** (0.141-0.198)	**0.217** (0.186-0.262)	**0.306** (0.262-0.369)	**0.381** (0.324-0.458)	**0.490** (0.413-0.588)	**0.582** (0.486-0.698)	**0.680** (0.563-0.816)	**0.787** (0.646-0.945)	**0.940** (0.763-1.13)	**1.07** (0.856-1.29)
2-day	**0.100** (0.085-0.119)	**0.132** (0.112-0.159)	**0.186** (0.158-0.225)	**0.231** (0.195-0.279)	**0.296** (0.247-0.357)	**0.350** (0.289-0.425)	**0.408** (0.334-0.497)	**0.471** (0.382-0.575)	**0.561** (0.448-0.687)	**0.634** (0.501-0.780)
3-day	**0.069** (0.059-0.083)	**0.091** (0.078-0.110)	**0.129** (0.109-0.155)	**0.160** (0.135-0.192)	**0.205** (0.171-0.247)	**0.243** (0.201-0.293)	**0.283** (0.232-0.342)	**0.327** (0.265-0.396)	**0.390** (0.311-0.473)	**0.441** (0.348-0.537)
4-day	**0.054** (0.046-0.064)	**0.071** (0.060-0.085)	**0.100** (0.085-0.120)	**0.125** (0.105-0.149)	**0.160** (0.133-0.191)	**0.189** (0.157-0.227)	**0.221** (0.181-0.265)	**0.255** (0.207-0.306)	**0.304** (0.243-0.366)	**0.344** (0.272-0.416)
7-day	**0.035** (0.030-0.041)	**0.046** (0.040-0.055)	**0.064** (0.055-0.076)	**0.079** (0.068-0.093)	**0.101** (0.085-0.118)	**0.119** (0.100-0.139)	**0.138** (0.115-0.162)	**0.159** (0.131-0.186)	**0.188** (0.153-0.222)	**0.212** (0.170-0.251)
10-day	**0.028** (0.024-0.032)	**0.036** (0.031-0.042)	**0.049** (0.043-0.057)	**0.060** (0.052-0.069)	**0.075** (0.064-0.086)	**0.087** (0.074-0.100)	**0.100** (0.084-0.116)	**0.114** (0.095-0.132)	**0.133** (0.110-0.156)	**0.150** (0.123-0.177)
20-day	**0.019** (0.017-0.022)	**0.024** (0.021-0.028)	**0.032** (0.028-0.036)	**0.037** (0.033-0.042)	**0.045** (0.039-0.052)	**0.052** (0.045-0.059)	**0.058** (0.050-0.067)	**0.065** (0.056-0.075)	**0.075** (0.063-0.086)	**0.082** (0.069-0.096)
30-day	**0.015** (0.014-0.017)	**0.020** (0.018-0.022)	**0.025** (0.022-0.028)	**0.029** (0.026-0.033)	**0.035** (0.031-0.039)	**0.039** (0.034-0.044)	**0.044** (0.038-0.049)	**0.048** (0.042-0.055)	**0.055** (0.047-0.062)	**0.060** (0.051-0.068)
45-day	**0.013** (0.012-0.015)	**0.017** (0.015-0.019)	**0.021** (0.018-0.023)	**0.024** (0.021-0.027)	**0.028** (0.025-0.031)	**0.031** (0.028-0.035)	**0.035** (0.030-0.039)	**0.038** (0.033-0.043)	**0.043** (0.037-0.049)	**0.047** (0.040-0.053)
60-day	**0.012** (0.011-0.013)	**0.015** (0.013-0.017)	**0.018** (0.016-0.020)	**0.021** (0.019-0.023)	**0.024** (0.022-0.027)	**0.027** (0.024-0.030)	**0.029** (0.026-0.033)	**0.032** (0.028-0.036)	**0.036** (0.031-0.040)	**0.038** (0.033-0.043)

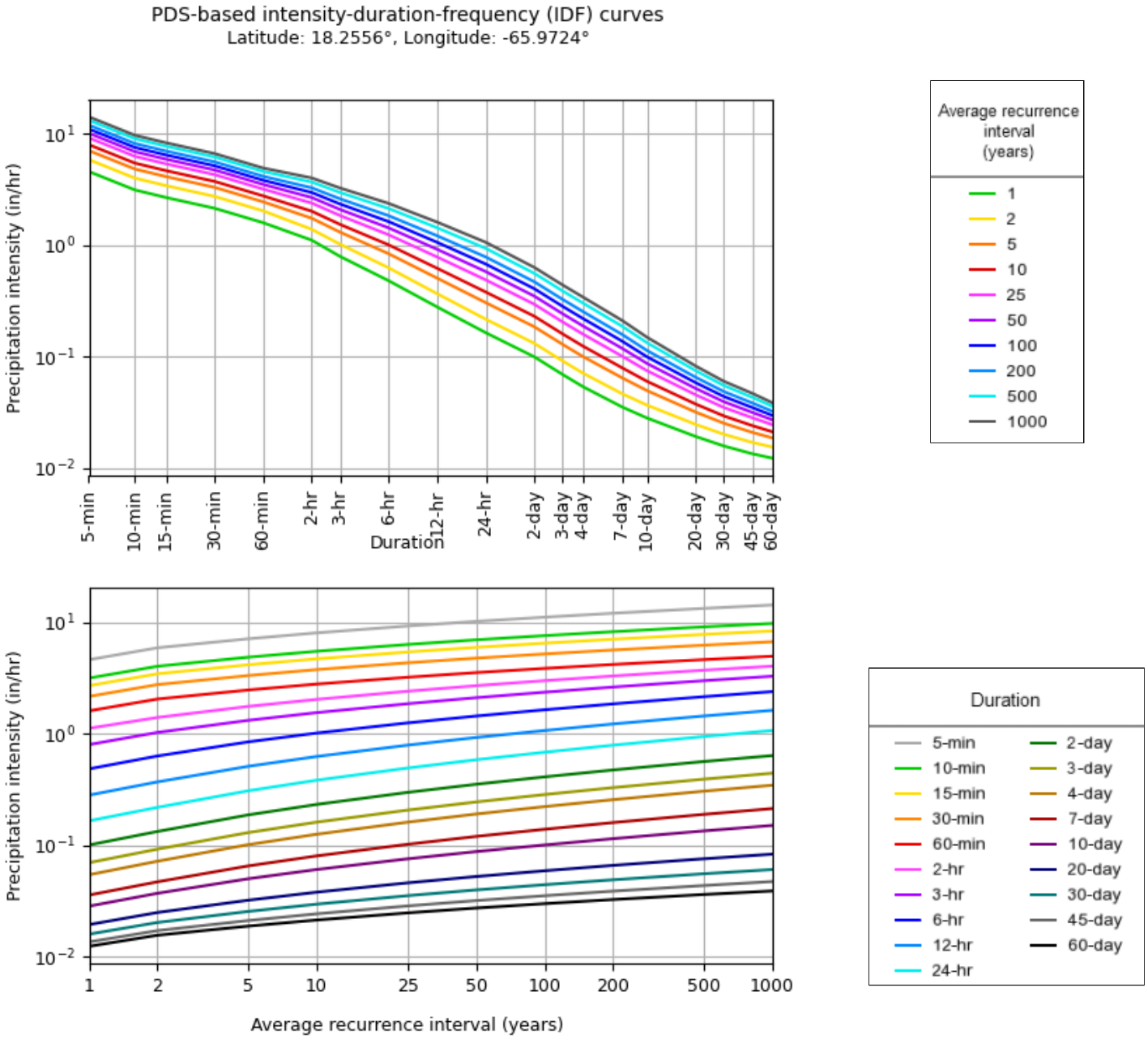
[1] Precipitation frequency (PF) estimates in this table are based on frequency analysis of partial duration series (PDS).

Numbers in parenthesis are PF estimates at lower and upper bounds of the 90% confidence interval. The probability that precipitation frequency estimates (for a given duration and average recurrence interval) will be greater than the upper bound (or less than the lower bound) is 5%. Estimates at upper bounds are not checked against probable maximum precipitation (PMP) estimates and may be higher than currently valid PMP values.

Please refer to NOAA Atlas 14 document for more information.

Back to Top

PF graphical



NOAA Atlas 14, Volume 3, Version 4

Created (GMT): Mon Jan 8 04:14:30 2024

Back to Top

Maps & aerials

Small scale terrain

CANDY STORE

FUNERARIA

SR PR-943

CONTINUE TO EXISTING INLET

EXISTING BOX CULVERT (24"X24")

EXISTING GUTTER

EXISTING INLET (TO REMAIN)

CALLE ANGEL CELESTINO MORALES

CALLE SAN JOSE

R2=597.32SQM

R2=78.57SQM

R2=75.22SQM

G2=186.75SQM

G2=182.32SQM

G1= 148.50SQM

R2= 143.67SQM

G1=140.29SQM

G2=93.69SQM

C2=2,333.57SQM

C1=1,114.43SQM

G2=134.92SQM

G1=139.36SQM

G1= 148.65SQM

R2= 142.49SQM

G2=135.00SQM

G2=147.88SQM

G1=96.53SQM

654

G1=91.17SQM

EXISTING GUTTER

R1=651.06SQM

CALLE EUGENIO SANCHEZ LOPEZ

SR PR-943

PLAZA GURABO
EXISTING CONDITIONS

IGLESIA

DR. LUIS RENTA

CALLE SAN JOSE

CANDY STORE

FUNERARIA

SR PR-943

CALLE SAN JOSE

CONTINUE TO EXISTING INLET

EXISTING BOX CULVERT (24"X24")

RECONSTRUCTED GUTTER

EXISTING INLET (TO REMAIN)

CALLE ANGEL CELESTINO MORALES

R2=500.68SQM

R2=34.10SQM

G2=6.4SQM

G2=186.75SQM

G2=182.32SQM

R1=45.21SQM

C1=100.55SQM

G2=93.69SQM

R2=46.43SQM

C2=2,735.88SQM

KIOSK

C1=1,114.43SQM

C1=100.48SQM

R1=45.23SQM

G2=135.00SQM

G2=147.88SQM

CONVENIENCE HOUSE

TAXI STATION

G2=16.36SQM

G2=134.92SQM

R2=47.35SQM

R1=33.66SQM

R1=33.36SQM

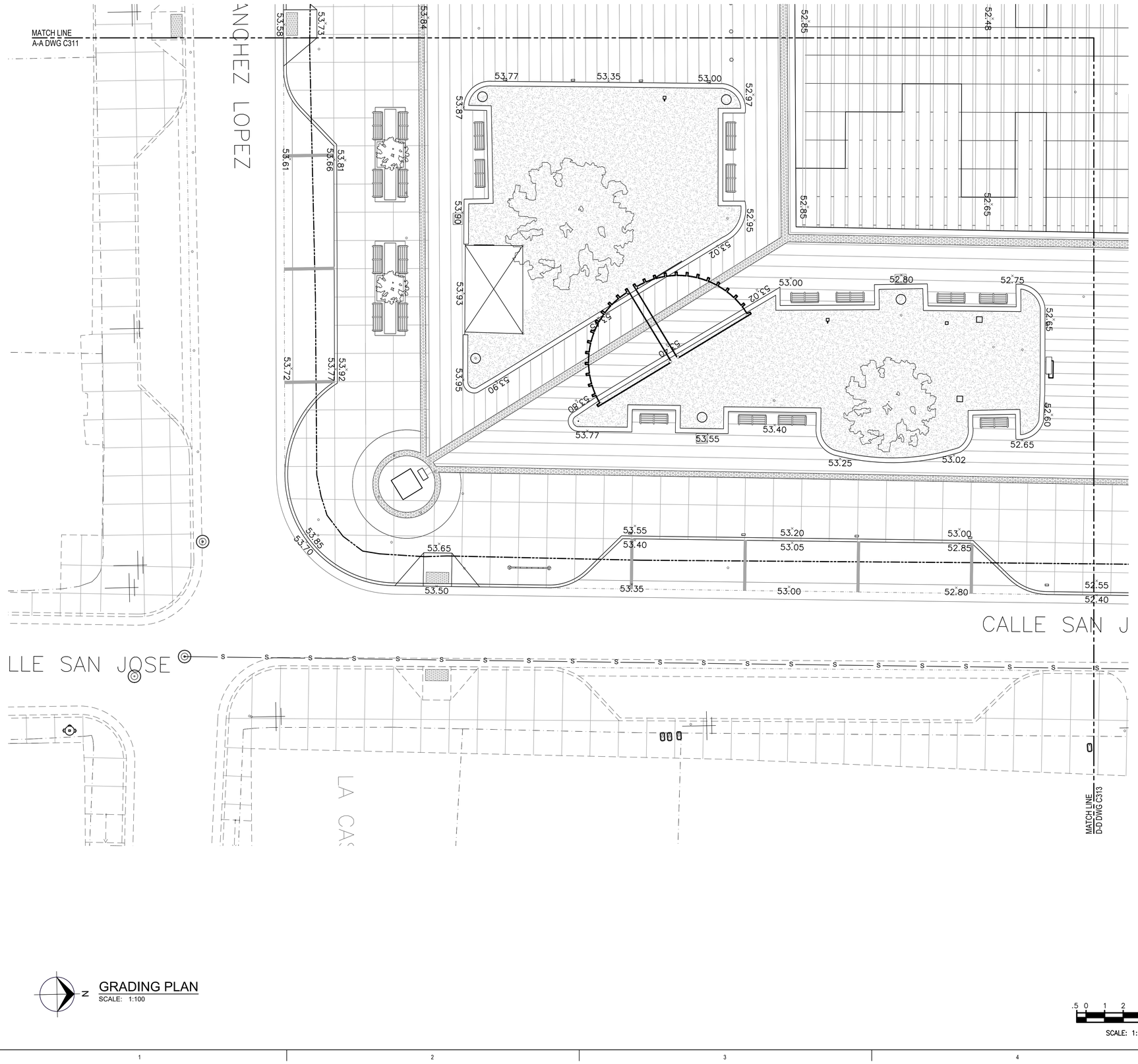
R1=568.35SQM

CALLE EUGENIO SANCHEZ LOPEZ

PLAZA GURABO
PROPOSED CONDITIONS

IGLESIA

DR. LUIS RENTA



GRADING PLAN
SCALE: 1:100

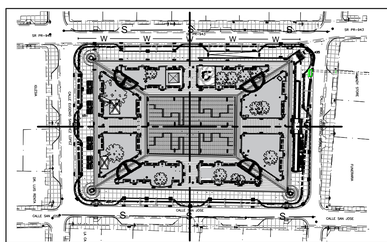
.5 0 1 2 3 4 5m
SCALE: 1:100

LEGEND:

- PROPERTY LIMIT (CRIM)
- SWALE
- 52.42 EXISTING SPOT ELEVATION
- 12.2 PROPOSED SPOT ELEVATION
- FLOW DIRECTION
- SLOPE

NOTE:

1. ALL DIMENSIONS AND ELEVATIONS ARE EXPRESSED IN METERS, UNLESS OTHERWISE NOTED.



KEY PLAN
SCALE: N.T.S.

OWNER
Gurabo
CIUDAD DE LAS ESCALERAS
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Email: info@gurabopr.com

CONSULTANT
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CONSULTANT

SEAL

YO, LUZ M. RODRIGUEZ TORRES, LIC. 17504, CERTIFICO QUE SOY EL PROFESIONAL QUE CONFECCIONÓ Y/O DISEÑÓ Y/O PREPARÓ ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIÉN CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE 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 NÚM. 14 DEL 8 DE ENERO DE 2004, SEGÚN ENMENDADA, CONOCIDA COMO LEY PARA LA INVERCIÓN POR LA INDUSTRIA PUERTORRIQUEÑA Y CON LA (LEY NÚM. 319 DEL 15 MAYO DE 1938 , SEGÚN ENMENDADA; LEY NÚM. 96 DEL 6 DE JULIO DE 1978, SEGÚN ENMENDADA, SEGÚN APLIQUES. RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIONES DE LOS HECHOS QUE SE HAYA PRODUCIDO POR DESCONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MÍ, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR LA OGPE.

PROJECT INFORMATION

PR-CRP-000549
REVITALIZATION OF
GURABO PUBLIC PLAZA

GURABO PUERTO RICO

REVISIONS

NO.	DESCRIPTION	DATE

DATE ISSUED:	05/03/23
REVIEWED BY:	LMR
DRAWN BY:	AMC
DESIGNED BY:	LMR
BRA PROJECT NUMBER:	22023

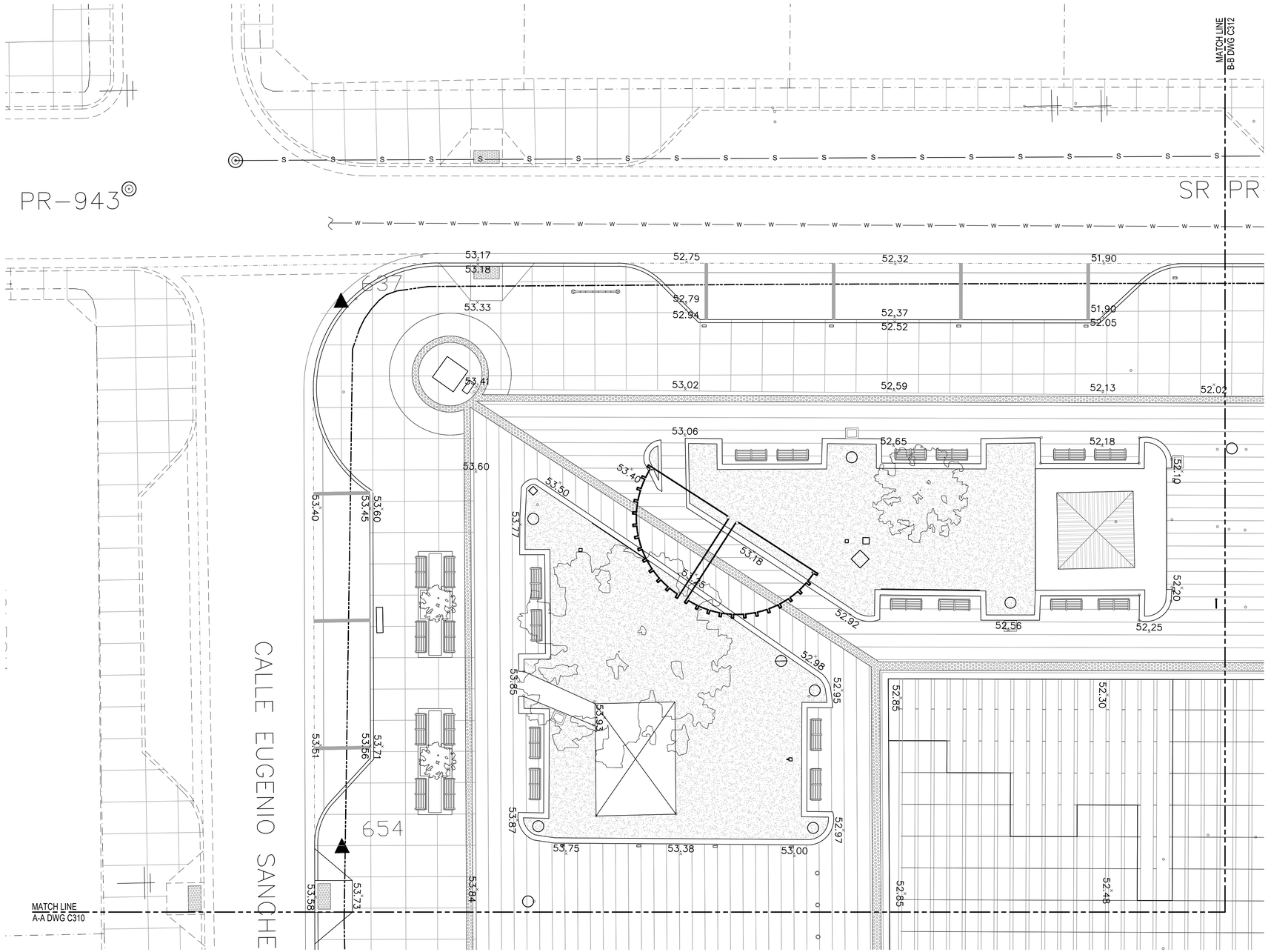
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SHEET ID

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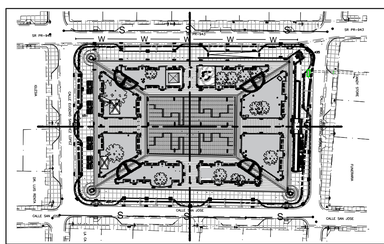


NOTE:

1. FOR LEGEND AND NOTES, SEE DWG. C310.

GRADING PLAN
SCALE: 1:100

.5 0 1 2 3 4 5m
SCALE: 1:100



KEY PLAN
SCALE: N.T.S.

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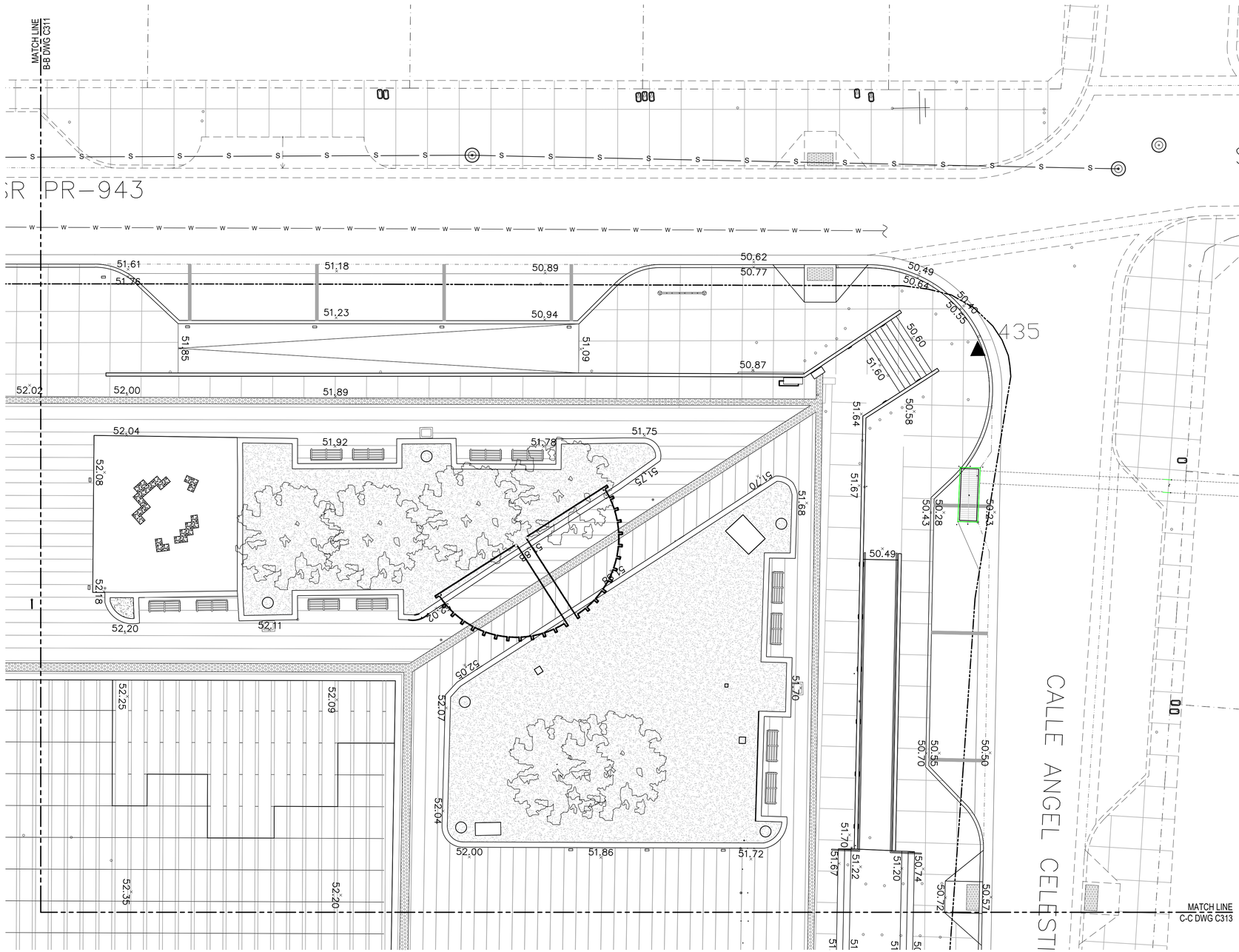
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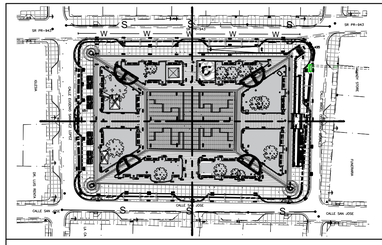


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GURABO — PUERTO RICO

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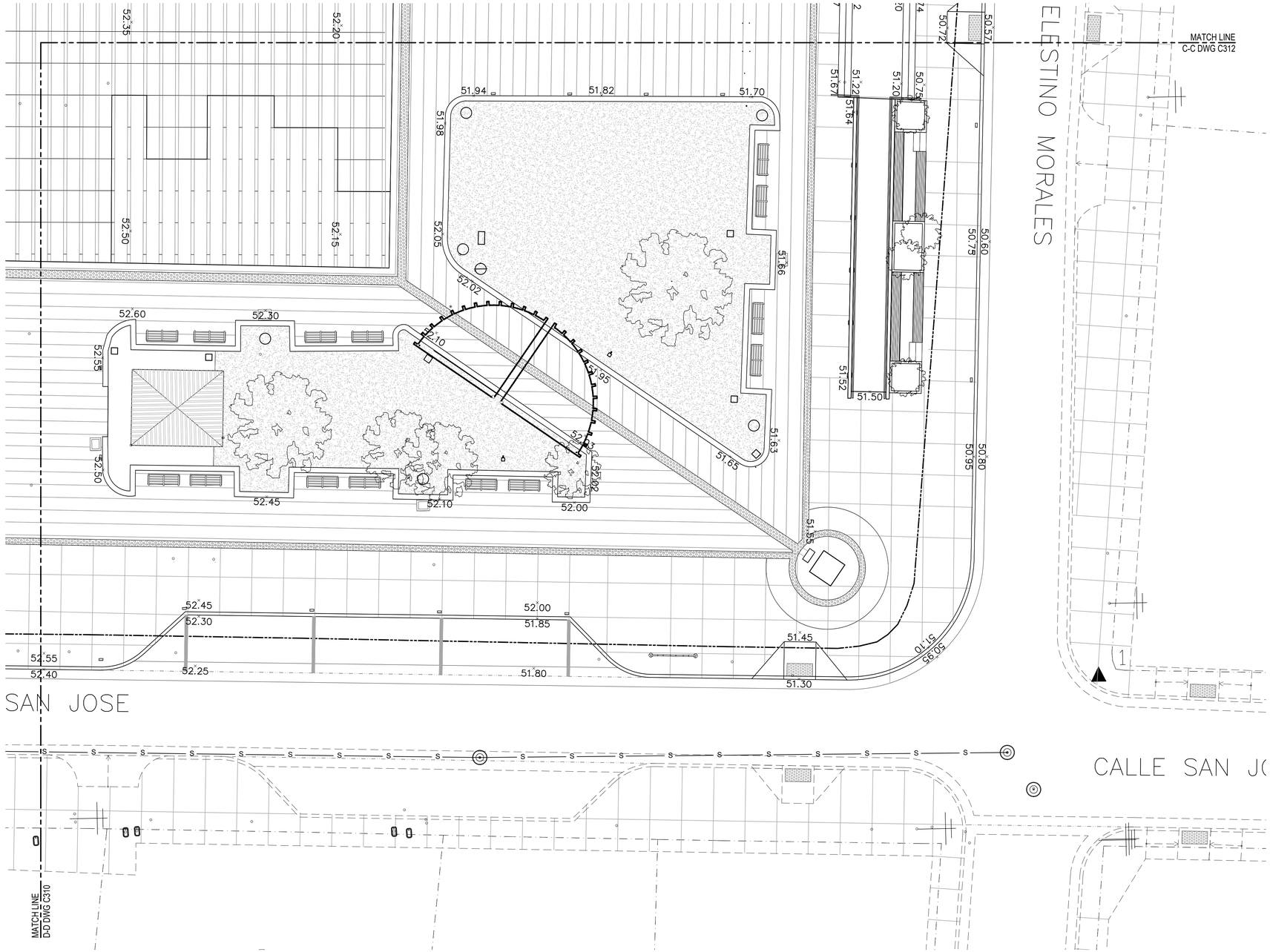
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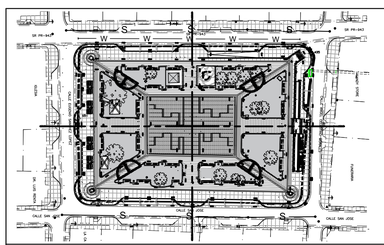
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PR-CRP-000549
REVITALIZATION OF
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GURABO PUERTO RICO

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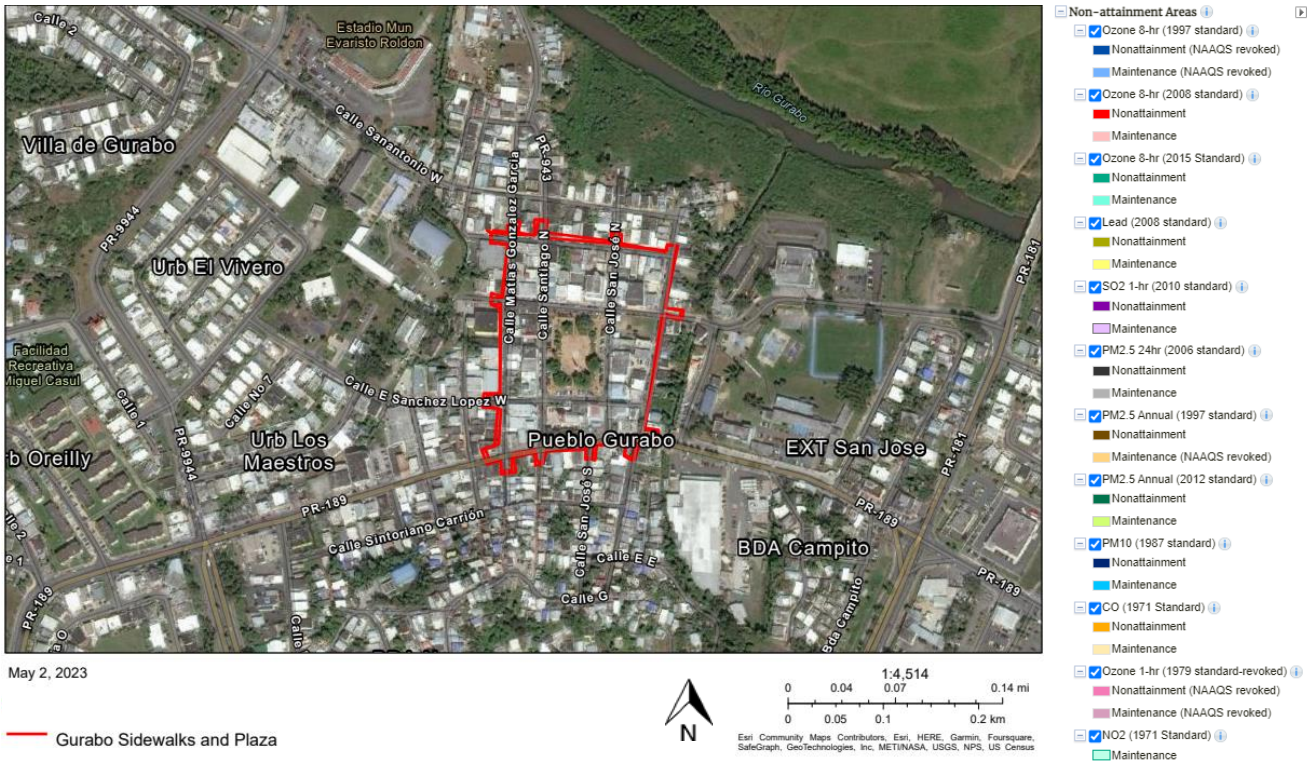
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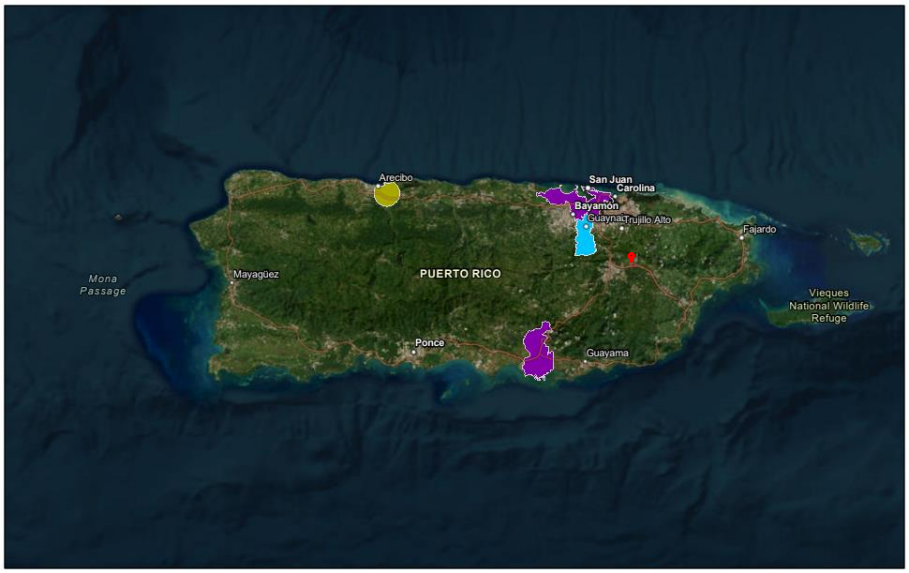
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Project Name: PR-CRP-000549 - Rehabilitación Plaza de los Proceres de Gurabo; and PR-CRP-000559 -Remodelación de aceras alrededor de la Plaza de los Próceres de Gurabo
Location: Angel C. Morales St., San Jose St., Eugenio Sánchez Lopez St., and PR-943 (Plaza); Lago St., Matías Gonzalez St., Angel C. Morales St., PR-943, San Jose St., Juan R. Quinones St., Eugenio Sánchez Lopez St., Santiago, St., and PR-189 (Sidewalks), Gurabo, Puerto Rico
Lat/Long: 18.25557500, -65.97238475

EXHIBIT NO.4 AIR QUALITY





Source: EPA https://nepassisttool.epa.gov/nepassist/nepamap.aspx
Company: Benítez, Ramos & Associates, LLC
Date: 05/02/2023



Exhibit No. 4a: EPA Greenbook - Current Nonattainment Counties for All Criteria Pollutants

Project Name: : PR-CRP-000549 - Rehabilitación Plaza de los Proceres de Gurabo; and PR-CRP-000559 -Remodelación de aceras alrededor de la Plaza de los Próceres de Gurabo

Location: Angel C. Morales St., San Jose St., Eugenio Sánchez Lopez St., and PR-943 (Plaza); Lago St., Matías Gonzalez St., Angel C. Morales St., PR-943, San Jose St., Juan R. Quinones St., Eugenio Sánchez Lopez St., Santiago, St., and PR-189 (Sidewalks), Gurabo, Puerto Rico

Lat/Long: 18.25557500, -65.97238475

Current Nonattainment Counties for All Criteria Pollutants

Data is current as of March 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 (2008)* San Francisco Bay Area, CA - (Marginal)
  - *8-Hour Ozone (2015)* San Francisco Bay Area, CA - (Marginal)
- Amador County
  - *8-Hour Ozone (2015)* Amador County, CA - (Marginal)
- Butte County
  - *8-Hour Ozone (2008)* Chico (Butte County), CA - (Marginal)
  - *8-Hour Ozone (2015)* Butte County, CA - (Marginal)
- Calaveras County
  - *8-Hour Ozone (2008)* Calaveras County, CA - (Marginal)
  - *8-Hour Ozone (2015)* Calaveras County, CA - (Marginal)
- Contra Costa County
  - *PM-2.5 (2006)* San Francisco Bay Area, CA - (Moderate)
  - *8-Hour Ozone (2008)* San Francisco Bay Area, CA - (Marginal)
  - *8-Hour Ozone (2015)* San Francisco Bay Area, CA - (Marginal)
- El Dorado County
  - *PM-2.5 (2006)* *Sacramento, CA - (Moderate)
  - *8-Hour Ozone (2008)* *Sacramento Metro, CA - (Severe 15)
  - *8-Hour Ozone (2015)* *Sacramento Metro, CA - (Serious)
- Fresno County
  - *PM-2.5 (1997)* San Joaquin Valley, CA - (Serious)
  - *PM-2.5 (2006)* San Joaquin Valley, CA - (Serious)

PM-2.5 (2012) San Joaquin Valley, CA - (Serious)
8-Hour Ozone (2008) San Joaquin Valley, CA - (Extreme)
8-Hour Ozone (2015) San Joaquin Valley, CA - (Extreme)

Imperial County
PM-2.5 (2006) *Imperial County, CA - (Moderate)
PM-2.5 (2012) *Imperial County, CA - (Moderate)
8-Hour Ozone (2008) Imperial County, CA - (Moderate)
8-Hour Ozone (2015) Imperial County, CA - (Marginal)

Inyo County
PM-10 (1987) *Inyo County; Owens Valley planning area, CA - (Serious)

Kern County
PM-10 (1987) *East Kern County, CA - (Serious)
PM-2.5 (1997) *San Joaquin Valley, CA - (Serious)
PM-2.5 (2006) *San Joaquin Valley, CA - (Serious)
PM-2.5 (2012) *San Joaquin Valley, CA - (Serious)
8-Hour Ozone (2008) *Kern County (Eastern Kern), CA - (Severe 15)
8-Hour Ozone (2008) *San Joaquin Valley, CA - (Extreme)
8-Hour Ozone (2015) *Kern County (Eastern Kern), CA - (Serious)
8-Hour Ozone (2015) *San Joaquin Valley, CA - (Extreme)

Kings County
PM-2.5 (1997) San Joaquin Valley, CA - (Serious)
PM-2.5 (2006) San Joaquin Valley, CA - (Serious)
PM-2.5 (2012) San Joaquin Valley, CA - (Serious)
8-Hour Ozone (2008) San Joaquin Valley, CA - (Extreme)
8-Hour Ozone (2015) San Joaquin Valley, CA - (Extreme)

Los Angeles County
Lead (2008) *Los Angeles County-South Coast Air Basin, CA
PM-2.5 (1997) *Los Angeles-South Coast Air Basin, CA - (Moderate)
PM-2.5 (2006) *Los Angeles-South Coast Air Basin, CA - (Serious)
PM-2.5 (2012) *Los Angeles-South Coast Air Basin, CA - (Serious)
8-Hour Ozone (2008) *Los Angeles-San Bernardino Counties (West Mojave Desert), CA - (Severe 15)
8-Hour Ozone (2008) *Los Angeles-South Coast Air Basin, CA - (Extreme)
8-Hour Ozone (2015) *Los Angeles-San Bernardino Counties (West Mojave Desert), CA - (Severe 15)
8-Hour Ozone (2015) *Los Angeles-South Coast Air Basin, CA - (Extreme)

Madera County
PM-2.5 (1997) San Joaquin Valley, CA - (Serious)
PM-2.5 (2006) San Joaquin Valley, CA - (Serious)
PM-2.5 (2012) San Joaquin Valley, CA - (Serious)
8-Hour Ozone (2008) San Joaquin Valley, CA - (Extreme)
8-Hour Ozone (2015) San Joaquin Valley, CA - (Extreme)

Marin County
PM-2.5 (2006) San Francisco Bay Area, CA - (Moderate)
8-Hour Ozone (2008) San Francisco Bay Area, CA - (Marginal)
8-Hour Ozone (2015) San Francisco Bay Area, CA - (Marginal)

Mariposa County
8-Hour Ozone (2008) Mariposa County, CA - (Moderate)
8-Hour Ozone (2015) Mariposa County, CA - (Moderate)

Merced County
PM-2.5 (1997) San Joaquin Valley, CA - (Serious)
PM-2.5 (2006) San Joaquin Valley, CA - (Serious)
PM-2.5 (2012) San Joaquin Valley, CA - (Serious)
8-Hour Ozone (2008) San Joaquin Valley, CA - (Extreme)
8-Hour Ozone (2015) San Joaquin Valley, CA - (Extreme)

Mono County
PM-10 (1987) *Mono Basin, CA - (Moderate)

Napa County
PM-2.5 (2006) San Francisco Bay Area, CA - (Moderate)
8-Hour Ozone (2008) San Francisco Bay Area, CA - (Marginal)
8-Hour Ozone (2015) San Francisco Bay Area, CA - (Marginal)

Nevada County
8-Hour Ozone (2008) *Nevada County (Western part), CA - (Serious)
8-Hour Ozone (2015) *Nevada County (Western part), CA - (Serious)

Orange County
PM-2.5 (1997) Los Angeles-South Coast Air Basin, CA - (Moderate)
PM-2.5 (2006) Los Angeles-South Coast Air Basin, CA - (Serious)
PM-2.5 (2012) Los Angeles-South Coast Air Basin, CA - (Serious)
8-Hour Ozone (2008) Los Angeles-South Coast Air Basin, CA - (Extreme)
8-Hour Ozone (2015) Los Angeles-South Coast Air Basin, CA - (Extreme)

Placer County
PM-2.5 (2006) *Sacramento, CA - (Moderate)
8-Hour Ozone (2008) *Sacramento Metro, CA - (Severe 15)
8-Hour Ozone (2015) *Sacramento Metro, CA - (Serious)

Plumas County
PM-2.5 (2012) *Plumas County, CA - (Serious)

Riverside County
PM-10 (1987) *Riverside County; Coachella Valley planning area, CA - (Serious)
PM-2.5 (1997) *Los Angeles-South Coast Air Basin, CA - (Moderate)
PM-2.5 (2006) *Los Angeles-South Coast Air Basin, CA - (Serious)
PM-2.5 (2012) *Los Angeles-South Coast Air Basin, CA - (Serious)
8-Hour Ozone (2008) *Los Angeles-South Coast Air Basin, CA - (Extreme)

8-Hour Ozone (2008) *Morongo Band of Mission Indians, CA - (Severe 15)
8-Hour Ozone (2008) *Pechanga Band of Luiseno Mission Indians of the Pechanga Reservation, CA - (Moderate)
8-Hour Ozone (2008) *Riverside County (Coachella Valley), CA - (Severe 15)
8-Hour Ozone (2015) *Los Angeles-South Coast Air Basin, CA - (Extreme)
8-Hour Ozone (2015) *Morongo Band of Mission Indians, CA - (Serious)
8-Hour Ozone (2015) *Pechanga Band of Luiseno Mission Indians of the Pechanga Reservation, CA - (Moderate)
8-Hour Ozone (2015) *Riverside County (Coachella Valley), CA - (Severe 15)

Sacramento County
PM-2.5 (2006) Sacramento, CA - (Moderate)
8-Hour Ozone (2008) Sacramento Metro, CA - (Severe 15)
8-Hour Ozone (2015) Sacramento Metro, CA - (Serious)

San Bernardino County
PM-10 (1987) *San Bernardino County, CA - (Moderate)
PM-10 (1987) *Trona, CA - (Moderate)
PM-2.5 (1997) *Los Angeles-South Coast Air Basin, CA - (Moderate)
PM-2.5 (2006) *Los Angeles-South Coast Air Basin, CA - (Serious)
PM-2.5 (2012) *Los Angeles-South Coast Air Basin, CA - (Serious)
8-Hour Ozone (2008) *Los Angeles-San Bernardino Counties (West Mojave Desert), CA - (Severe 15)
8-Hour Ozone (2008) *Los Angeles-South Coast Air Basin, CA - (Extreme)
8-Hour Ozone (2015) *Los Angeles-San Bernardino Counties (West Mojave Desert), CA - (Severe 15)
8-Hour Ozone (2015) *Los Angeles-South Coast Air Basin, CA - (Extreme)

San Diego County
8-Hour Ozone (2008) *Pechanga Band of Luiseno Mission Indians of the Pechanga Reservation, CA - (Moderate)
8-Hour Ozone (2008) *San Diego County, CA - (Severe 15)
8-Hour Ozone (2015) *Pechanga Band of Luiseno Mission Indians of the Pechanga Reservation, CA - (Moderate)
8-Hour Ozone (2015) *San Diego County, CA - (Severe 15)

San Francisco County
PM-2.5 (2006) San Francisco Bay Area, CA - (Moderate)
8-Hour Ozone (2008) San Francisco Bay Area, CA - (Marginal)
8-Hour Ozone (2015) San Francisco Bay Area, CA - (Marginal)

San Joaquin County
PM-2.5 (1997) San Joaquin Valley, CA - (Serious)
PM-2.5 (2006) San Joaquin Valley, CA - (Serious)
PM-2.5 (2012) San Joaquin Valley, CA - (Serious)
8-Hour Ozone (2008) San Joaquin Valley, CA - (Extreme)
8-Hour Ozone (2015) San Joaquin Valley, CA - (Extreme)

San Luis Obispo County
8-Hour Ozone (2008) *San Luis Obispo (Eastern San Luis Obispo), CA - (Marginal)
8-Hour Ozone (2015) *San Luis Obispo (Eastern part), CA - (Marginal)

San Mateo County
PM-2.5 (2006) San Francisco Bay Area, CA - (Moderate)
8-Hour Ozone (2008) San Francisco Bay Area, CA - (Marginal)
8-Hour Ozone (2015) San Francisco Bay Area, CA - (Marginal)

Santa Clara County
PM-2.5 (2006) San Francisco Bay Area, CA - (Moderate)
8-Hour Ozone (2008) San Francisco Bay Area, CA - (Marginal)
8-Hour Ozone (2015) San Francisco Bay Area, CA - (Marginal)

Solano County
PM-2.5 (2006) *Sacramento, CA - (Moderate)
PM-2.5 (2006) *San Francisco Bay Area, CA - (Moderate)
8-Hour Ozone (2008) *Sacramento Metro, CA - (Severe 15)
8-Hour Ozone (2008) *San Francisco Bay Area, CA - (Marginal)
8-Hour Ozone (2015) *Sacramento Metro, CA - (Serious)
8-Hour Ozone (2015) *San Francisco Bay Area, CA - (Marginal)

Sonoma County
PM-2.5 (2006) *San Francisco Bay Area, CA - (Moderate)
8-Hour Ozone (2008) *San Francisco Bay Area, CA - (Marginal)
8-Hour Ozone (2015) *San Francisco Bay Area, CA - (Marginal)

Stanislaus County
PM-2.5 (1997) San Joaquin Valley, CA - (Serious)
PM-2.5 (2006) San Joaquin Valley, CA - (Serious)
PM-2.5 (2012) San Joaquin Valley, CA - (Serious)
8-Hour Ozone (2008) San Joaquin Valley, CA - (Extreme)
8-Hour Ozone (2015) San Joaquin Valley, CA - (Extreme)

Sutter County
8-Hour Ozone (2008) *Sacramento Metro, CA - (Severe 15)
8-Hour Ozone (2015) *Sacramento Metro, CA - (Serious)
8-Hour Ozone (2015) *Sutter Buttes, CA - (Marginal)

Tehama County
8-Hour Ozone (2008) *Tuscan Buttes, CA - (Marginal)
8-Hour Ozone (2015) *Tuscan Buttes, CA - (Marginal (Rural Transport))

Tulare County
PM-2.5 (1997) San Joaquin Valley, CA - (Serious)
PM-2.5 (2006) San Joaquin Valley, CA - (Serious)
PM-2.5 (2012) San Joaquin Valley, CA - (Serious)
8-Hour Ozone (2008) San Joaquin Valley, CA - (Extreme)
8-Hour Ozone (2015) San Joaquin Valley, CA - (Extreme)

Tuolumne County
8-Hour Ozone (2015) Tuolumne County, CA - (Marginal)

Ventura County

8-Hour Ozone (2008) *Ventura County, CA - (Serious)
8-Hour Ozone (2015) *Ventura County, CA - (Serious)
Yolo County
PM-2.5 (2006) *Sacramento, CA - (Moderate)
8-Hour Ozone (2008) Sacramento Metro, CA - (Severe 15)
8-Hour Ozone (2015) Sacramento Metro, CA - (Serious)

COLORADO
Adams County
8-Hour Ozone (2008) Denver-Boulder-Greeley-Ft. Collins-Loveland, CO - (Severe 15)
8-Hour Ozone (2015) Denver Metro/North Front Range, CO - (Moderate)
Arapahoe County
8-Hour Ozone (2008) Denver-Boulder-Greeley-Ft. Collins-Loveland, CO - (Severe 15)
8-Hour Ozone (2015) Denver Metro/North Front Range, CO - (Moderate)
Boulder County
8-Hour Ozone (2008) Denver-Boulder-Greeley-Ft. Collins-Loveland, CO - (Severe 15)
8-Hour Ozone (2015) Denver Metro/North Front Range, CO - (Moderate)
Broomfield County
8-Hour Ozone (2008) Denver-Boulder-Greeley-Ft. Collins-Loveland, CO - (Severe 15)
8-Hour Ozone (2015) Denver Metro/North Front Range, CO - (Moderate)
Denver County
8-Hour Ozone (2008) Denver-Boulder-Greeley-Ft. Collins-Loveland, CO - (Severe 15)
8-Hour Ozone (2015) Denver Metro/North Front Range, CO - (Moderate)
Douglas County
8-Hour Ozone (2008) Denver-Boulder-Greeley-Ft. Collins-Loveland, CO - (Severe 15)
8-Hour Ozone (2015) Denver Metro/North Front Range, CO - (Moderate)
Jefferson County
8-Hour Ozone (2008) Denver-Boulder-Greeley-Ft. Collins-Loveland, CO - (Severe 15)
8-Hour Ozone (2015) Denver Metro/North Front Range, CO - (Moderate)
Larimer County
8-Hour Ozone (2008) *Denver-Boulder-Greeley-Ft. Collins-Loveland, CO - (Severe 15)
8-Hour Ozone (2015) *Denver Metro/North Front Range, CO - (Moderate)
Weld County
8-Hour Ozone (2008) *Denver-Boulder-Greeley-Ft. Collins-Loveland, CO - (Severe 15)
8-Hour Ozone (2015) Denver Metro/North Front Range, CO - (Moderate)

CONNECTICUT
Fairfield County
8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Severe 15)
8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)
Hartford County
8-Hour Ozone (2008) Greater Connecticut, CT - (Serious)
8-Hour Ozone (2015) Greater Connecticut, CT - (Moderate)
Litchfield County
8-Hour Ozone (2008) Greater Connecticut, CT - (Serious)
8-Hour Ozone (2015) Greater Connecticut, CT - (Moderate)
Middlesex County
8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Severe 15)
8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)
New Haven County
8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Severe 15)
8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)
New London County
8-Hour Ozone (2008) Greater Connecticut, CT - (Serious)
8-Hour Ozone (2015) Greater Connecticut, CT - (Moderate)
Tolland County
8-Hour Ozone (2008) Greater Connecticut, CT - (Serious)
8-Hour Ozone (2015) Greater Connecticut, CT - (Moderate)
Windham County
8-Hour Ozone (2008) Greater Connecticut, CT - (Serious)
8-Hour Ozone (2015) Greater Connecticut, CT - (Moderate)

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

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

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

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

ILLINOIS
Cook County

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

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

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

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

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

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

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

8-Hour Ozone (2015) Washington, DC-MD-VA - (Moderate)
Harford County
8-Hour Ozone (2008) Baltimore, MD - (Moderate)
8-Hour Ozone (2015) Baltimore, MD - (Moderate)
Howard County
8-Hour Ozone (2008) Baltimore, MD - (Moderate)
8-Hour Ozone (2015) Baltimore, MD - (Moderate)
Montgomery County
8-Hour Ozone (2015) Washington, DC-MD-VA - (Moderate)
Prince George's County
8-Hour Ozone (2015) Washington, DC-MD-VA - (Moderate)

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

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

MINNESOTA
Dakota County
Lead (2008) *Eagan, MN

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

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

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

NEW JERSEY
Atlantic County
8-Hour Ozone (2008) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Marginal)
8-Hour Ozone (2015) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Moderate)
Bergen County
8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Severe 15)

8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)
Burlington County
8-Hour Ozone (2008) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Marginal)
8-Hour Ozone (2015) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Moderate)
Camden County
8-Hour Ozone (2008) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Marginal)
8-Hour Ozone (2015) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Moderate)
Cape May County
8-Hour Ozone (2008) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Marginal)
8-Hour Ozone (2015) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Moderate)
Cumberland County
8-Hour Ozone (2008) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Marginal)
8-Hour Ozone (2015) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Moderate)
Essex County
8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Severe 15)
8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)
Gloucester County
8-Hour Ozone (2008) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Marginal)
8-Hour Ozone (2015) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Moderate)
Hudson County
8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Severe 15)
8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)
Hunterdon County
8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Severe 15)
8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)
Mercer County
8-Hour Ozone (2008) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Marginal)
8-Hour Ozone (2015) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Moderate)
Middlesex County
8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Severe 15)
8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)
Monmouth County
8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Severe 15)
8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)
Morris County
8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Severe 15)
8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)
Ocean County
8-Hour Ozone (2008) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Marginal)
8-Hour Ozone (2015) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Moderate)
Passaic County
8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Severe 15)
8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)
Salem County
8-Hour Ozone (2008) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Marginal)
8-Hour Ozone (2015) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Moderate)
Somerset County
8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Severe 15)
8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)
Sussex County
8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Severe 15)
8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)
Union County
8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Severe 15)
8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)
Warren County
Sulfur Dioxide (1971) *Warren County, NJ
8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Severe 15)
8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)

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

NEW YORK
Bronx County
8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Severe 15)
8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)
Chautauqua County
8-Hour Ozone (2008) Jamestown, NY - (Marginal)
Kings County
8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Severe 15)
8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)
Nassau County
8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Severe 15)
8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)
New York County
PM-10 (1987) New York County, NY - (Moderate)
8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Severe 15)
8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)
Queens County

8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Severe 15)
8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)
Richmond County
8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Severe 15)
8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)
Rockland County
8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Severe 15)
8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)
St. Lawrence County
Sulfur Dioxide (2010) *St. Lawrence County, NY
Suffolk County
8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Severe 15)
8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)
Westchester County
8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Severe 15)
8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)

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

OREGON
Klamath County
PM-2.5 (2006) *Klamath Falls, OR - (Moderate)

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

2023-03-31

Project Name: PR-CRP-000549 - Rehabilitación Plaza de los Proceres de Gurabo; and PR-CRP-000559 -Remodelación de aceras alrededor de la Plaza de los Próceres de Gurabo
Location: Angel C. Morales St., San Jose St., Eugenio Sánchez Lopez St., and PR-943 (Plaza); Lago St., Matías Gonzalez St., Angel C. Morales St., PR-943, San Jose St., Juan R. Quinones St., Eugenio Sánchez Lopez St., Santiago, St., and PR-189 (Sidewalks), Gurabo, Puerto Rico
Lat/Long: 18.25557500, -65.97238475

EXHIBIT NO.5 COASTAL ZONE LAND BOUNDARY



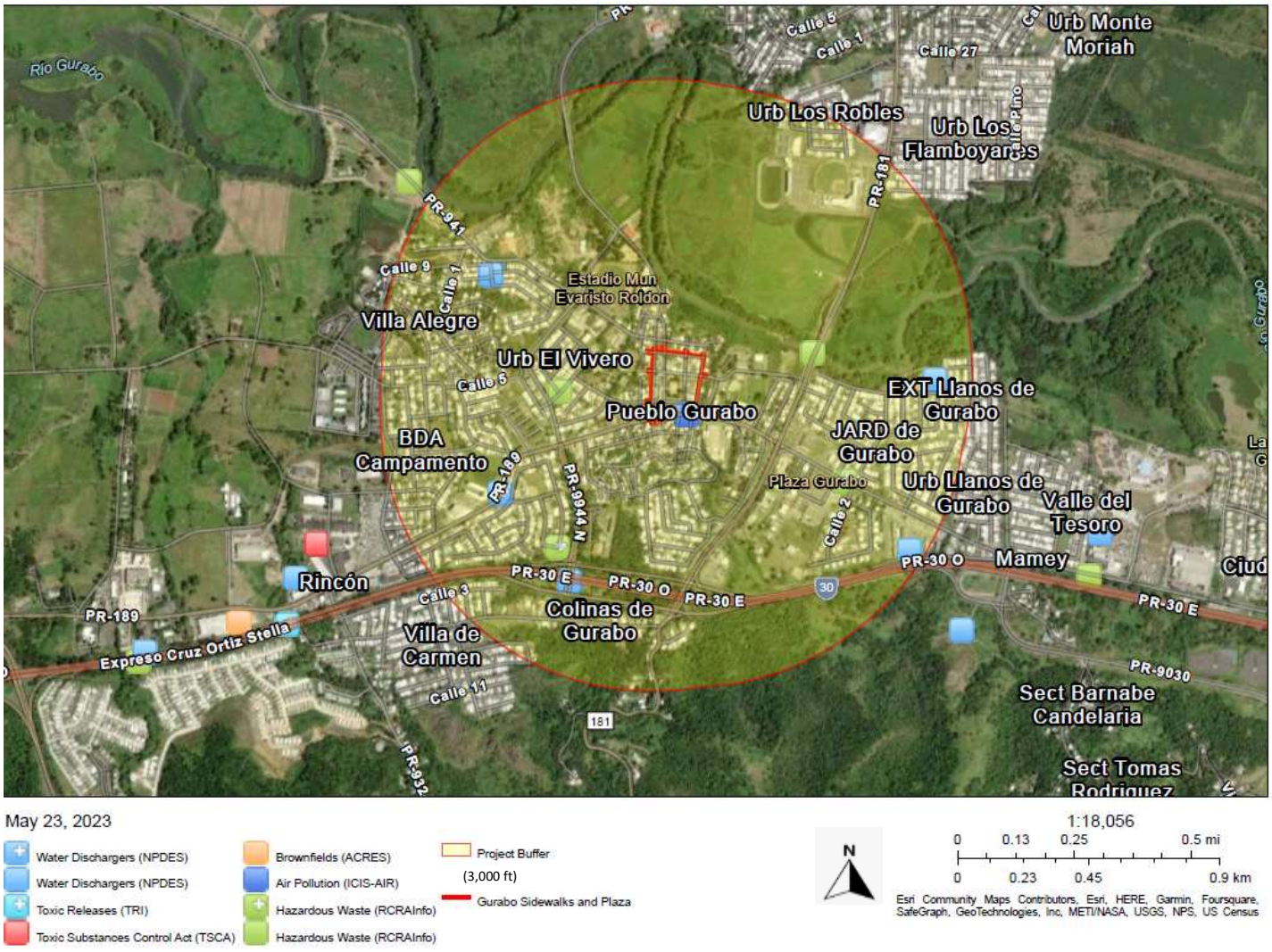


LEGEND	
	Coastal Zone Land Boundary

Source: DRNA
https://drnapmzc.maps.arcgis.com/apps/MapTools/index.html?appid=e9e1788520a74242852b03494e739ea4
Company: Benítez Ramos & Associates, LLC
Date: 01/19/2023

Project Name: PR-CRP-000549 - Rehabilitación Plaza de los Proceres de Gurabo; and PR-CRP-000559 -Remodelación de aceras alrededor de la Plaza de los Próceres de Gurabo
Location: Angel C. Morales St., San Jose St., Eugenio Sánchez Lopez St., and PR-943 (Plaza); Lago St., Matías Gonzalez St., Angel C. Morales St., PR-943, San Jose St., Juan R. Quinones St., Eugenio Sánchez Lopez St., Santiago, St., and PR-189 (Sidewalks), Gurabo, Puerto Rico
Lat/Long: 18.25557500, -65.97238475

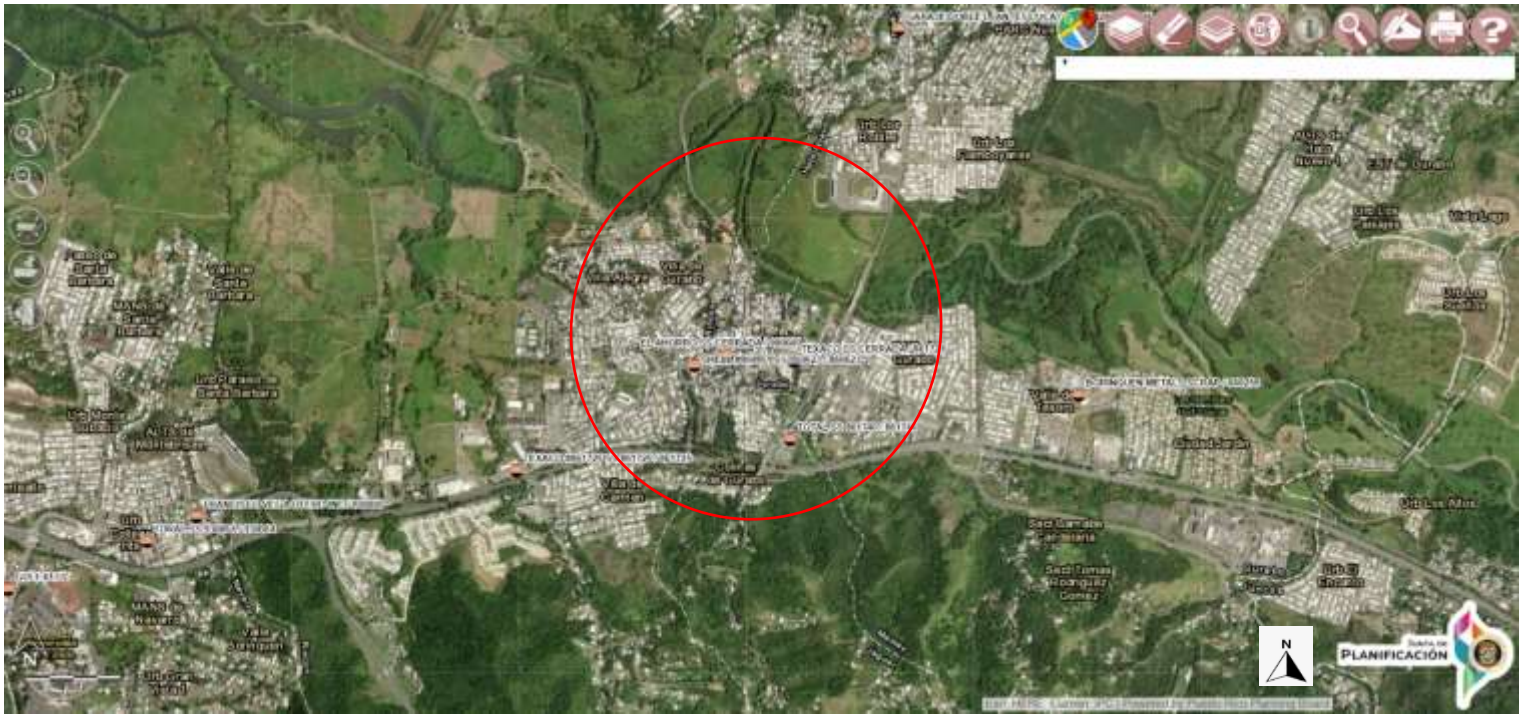
Exhibit 6: NEPAssist Radius Map and JP GIS UST Map



Source: https://nepassisttool.epa.gov/nepassist/nepamap.aspx and https://gis.jp.pr.gov/mipr/
Company: Benítez Ramos & Associates, LLC

Project Name: PR-CRP-000549 - Rehabilitación Plaza de los Proceres de Gurabo; and PR-CRP-000559 -Remodelación de aceras alrededor de la Plaza de los Próceres de Gurabo
Location: Angel C. Morales St., San Jose St., Eugenio Sánchez Lopez St., and PR-943 (Plaza); Lago St., Matías Gonzalez St., Angel C. Morales St., PR-943, San Jose St., Juan R. Quinones St., Eugenio Sánchez Lopez St., Santiago, St., and PR-189 (Sidewalks), Gurabo, Puerto Rico
Lat/Long: 18.25557500, -65.97238475

USTs DNER



May 23, 2023

UST 0.5 mi Radius (approx.)

Source: https://nepassisttool.epa.gov/nepassist/nepamap.aspx and https://gis.jp.pr.gov/mipr/
Company: Benítez Ramos & Associates, LLC

Exhibit 6a: NEPAssist Identified Facilities within 3,000 ft

PR-CRP-000549 - Rehabilitación de la Plaza de los Próceres de Gurabo and PR-CRP-000559 - Remodelación de aceras alrededor de la Plaza de los Próceres de Gurabo

Segment #1*

Report question: *Within 3000 of a Water dischargers site?* yes

Modify question by entering a new buffer distance and unit for the selected study area:

3000 feet Submit

Name	Distance
PRASA GURABO (GURABO,PR)	2576.18 feet
MANSIONES DE CIUDAD JARDIN GURB (GURABO,PR)	2810.89 feet
CAMINITOS RESIDENTIAL DEVELOPMENT (GURABO,PR)	2995.03 feet
PAVEMENT REHABILITATION AND ROADWAY SAFETY IMPROVEMENTS PR-30 (GURABO - JUNCOS,PR)	2500.24 feet
URB. PRECIOSA (GURABO,PR)	2146.01 feet
LOS LLANOS DE CIUDAD JARDIN (GURABO,PR)	1933.76 feet

Report question: *Within 3000 of a Hazardous waste site?* yes

Modify question by entering a new buffer distance and unit for the selected study area:

3000 feet Submit

Name	Distance
TOTAL PETROLEUM PUERTO RICO CORP-SERVICE STATION 210160 (GURABO,PR)	1221.99 feet
SANTA PAULA OIL CORP (GURABO,PR)	1933.28 feet
CARIBBEAN PETROLEUM LP SS GULF 177 (GURABO,PR)	434.51 feet
DEPT OF ED - MATIAS GONZALES SCHOOL (GURABO,PR)	422.05 feet
P C I CARIBE (GURABO,PR)	434.51 feet
JOHN H HARLAND CO (GURABO,PR)	434.51 feet
PRASA ESTACION EXPERIMENTAL WELL (GURABO,PR)	434.51 feet
ADAN CARABALLO SERVICE STATION (GURABO,PR)	559.59 feet
SHELL CO PR LTD SS 804851 GURABO (GURABO,PR)	2810.89 feet
AGRICULTURAL EXPERIMENT SUBSTATION UPR (GURABO,PR)	839.72 feet
OSRAM SYLVANIA PUERTO RICO CO RP (GURABO,PR)	1933.28 feet
SURGICAL SPECIALTIES PUERTO RICO INC (RINCON,PR)	2204.92 feet
ALPHA BIOMEDICAL & DIAGNOSTICC CORP (GURABO,PR)	1005.12 feet

Report question: *Within 3000 of a Air emissions site?* yes

Modify question by entering a new buffer distance and unit for the selected study area:

3000 feet Submit

Name	Distance
AGREGADOS GURABO INC (GURABO,PR)	434.51 feet

***Note: The site was divided into segments in the NEPAssist website to be able to retrieve the information of the environmental reports the website provides, since due to the large area of impact of the project, NEPAssist could not produce a report when taken together.**

Segment #2

Report question: *Within 3000 of a Water dischargers site?* yes

Modify question by entering a new buffer distance and unit for the selected study area:

3000 feet Submit

Name	Distance
PRASA GURABO (GURABO,PR)	2654.97 feet
MANSIONES DE CIUDAD JARDIN GURB (GURABO,PR)	2670.82 feet
CAMINITOS RESIDENTIAL DEVELOPMENT (GURABO,PR)	2928.52 feet
PAVEMENT REHABILITATION AND ROADWAY SAFETY IMPROVEMENTS PR-30 (GURABO - JUNCOS,PR)	2239.31 feet
URB. PRECIOSA (GURABO,PR)	2003.10 feet
LOS LLANOS DE CIUDAD JARDIN (GURABO,PR)	2121.44 feet

Report question: *Within 3000 of a Hazardous waste site?* yes

Modify question by entering a new buffer distance and unit for the selected study area:

3000 feet Submit

Name	Distance
TOTAL PETROLEUM PUERTO RICO CORP-SERVICE STATION 210160 (GURABO,PR)	1306.99 feet
SANTA PAULA OIL CORP (GURABO,PR)	1893.31 feet
CARIBBEAN PETROLEUM LP SS GULF 177 (GURABO,PR)	151.52 feet
DEPT OF ED - MATIAS GONZALES SCHOOL (GURABO,PR)	183.15 feet
P C I CARIBE (GURABO,PR)	151.52 feet
JOHN H HARLAND CO (GURABO,PR)	151.52 feet
PRASA ESTACION EXPERIMENTAL WELL (GURABO,PR)	151.52 feet
ADAN CARABALLO SERVICE STATION (GURABO,PR)	275.80 feet
SHELL CO PR LTD SS 804851 GURABO (GURABO,PR)	2670.82 feet
AGRICULTURAL EXPERIMENT SUBSTATION UPR (GURABO,PR)	778.14 feet
OSRAM SYLVANIA PUERTO RICO CO RP (GURABO,PR)	1893.31 feet
SURGICAL SPECIALTIES PUERTO RICO INC (RINCON,PR)	1965.10 feet
ALPHA BIOMEDICAL & DIAGNOSTICC CORP (GURABO,PR)	1022.64 feet

Report question: *Within 3000 of a Air emissions site?* yes

Modify question by entering a new buffer distance and unit for the selected study area:

3000 feet Submit

Name	Distance
AGREGADOS GURABO INC (GURABO,PR)	151.52 feet

Segment #3

Report question: *Within 3000 of a Water dischargers site?* yes

Modify question by entering a new buffer distance and unit for the selected study area:

3000 feet Submit

Name	Distance
PRASA GURABO (GURABO,PR)	2649.91 feet
MANSIONES DE CIUDAD JARDIN GURB (GURABO,PR)	2488.67 feet
CAMINITOS RESIDENTIAL DEVELOPMENT (GURABO,PR)	2798.69 feet
PAVEMENT REHABILITATION AND ROADWAY SAFETY IMPROVEMENTS PR-30 (GURABO - JUNCOS,PR)	1950.28 feet
URB. PRECIOSA (GURABO,PR)	1826.28 feet
LOS LLANOS DE CIUDAD JARDIN (GURABO,PR)	2232.84 feet

Report question: *Within 3000 of a Hazardous waste site?* yes

Modify question by entering a new buffer distance and unit for the selected study area:

3000 feet Submit

Name	Distance
TOTAL PETROLEUM PUERTO RICO CORP-SERVICE STATION 210160 (GURABO,PR)	1377.87 feet
SANTA PAULA OIL CORP (GURABO,PR)	1788.93 feet
CARIBBEAN PETROLEUM LP SS GULF 177 (GURABO,PR)	58.13 feet
DEPT OF ED - MATIAS GONZALES SCHOOL (GURABO,PR)	72.56 feet
P C I CARIBE (GURABO,PR)	58.13 feet
JOHN H HARLAND CO (GURABO,PR)	58.13 feet
PRASA ESTACION EXPERIMENTAL WELL (GURABO,PR)	58.13 feet
ADAN CARABALLO SERVICE STATION (GURABO,PR)	45.73 feet
SHELL CO PR LTD SS 804851 GURABO (GURABO,PR)	2488.67 feet
AGRICULTURAL EXPERIMENT SUBSTATION UPR (GURABO,PR)	695.60 feet
OSRAM SYLVANIA PUERTO RICO CO RP (GURABO,PR)	1788.93 feet
SURGICAL SPECIALTIES PUERTO RICO INC (RINCON,PR)	1694.30 feet
ALPHA BIOMEDICAL & DIAGNOSTICC CORP (GURABO,PR)	967.42 feet

Report question: *Within 3000 of a Air emissions site?* yes

Modify question by entering a new buffer distance and unit for the selected study area:

3000 feet Submit

Name	Distance
AGREGADOS GURABO INC (GURABO,PR)	58.13 feet

I. NEPASSIST

The NEPAssist database was reviewed, to identify EPA Facilities within 3,000 ft of Site:

A. Superfunds:

- ✓ None identified by NEPAssist

B. Brownfields:

- ✓ None identified by NEPAssist

C. Toxic Release Sites (TRI):

- ✓ None identified by NEPAssist

D. Water Dischargers Sites (NPDES):

1. PRASA Gurabo

Distance to Site: 2,576.18 feet (east)
Address: #1 St. Jardines de Gurabo, Gurabo PR 00778
FRS ID: 110056162030
NPDS ID: PR0026743
Universe: Minor: NPDES Individual Permit - Effective
Permit Expiration Date: 04/30/2024
Compliance Status: Violations identified as of date of last monitoring activity (10/02/2019). Six quarters with noncompliance/violations identified since 2020.

Formal Enforcement Actions:

Case 02-2011-0007 PRASA - Puerto Nuevo Regional WWTP et al. – filed on 9/15/2015 and settled on 05/23/2016 - The facility was included in the Consent Decree (CD) that resolved the case against the Puerto Rico Aqueduct and Sewer Authority (PRASA). The proposed CD resolved the Clean Water Act enforcement litigation against PRASA for unauthorized discharges of pollutants in violation of Section 301 of the Act, and for violations of the Puerto Nuevo Wastewater Treatment Plant (Puerto Nuevo WWTP) NPDES permit. The CD consolidated three CDs that were in effect and incorporated and re-distributed the pending injunctive obligations thereunder. The Puerto Nuevo WWTP injunctive relief provided in the CD, along with that provided in the Municipality of San Juan, the Department of Natural and Environmental Resources, and the Department of Transportation and Public Works Consent Decrees, comprised the regional initiative to bring much needed relief to the impoverished Martin Pena communities. When entered by the Court, the CD will be the most complex and comprehensive CWA wastewater consent decree against a utility administered by the EPA to date. EPA included in the consolidation the violations Region 2 had documented for PRASA's Puerto Nuevo WWTP sewage collection system. These violations resolved in the proposed CD consist of discharges of pollutants (primarily, untreated sewage) into the Cano Martin Pena, Condado Lagoon, San Juan Bay and Atlantic Ocean, all of which are waters of the United States, which occurred due to poor maintenance and operation of the collection system (primarily, sanitary sewer overflows).PRASA owns and operates an immense number of facilities due to the topography of the island and the number of isolated communities that are scattered throughout Puerto Rico. PRASA operates many more treatment facilities than mainland utilities that serve a similar number of customers, which has made operation and maintenance unsustainably complex and expensive. In addition, as PRASA is a public corporation of Puerto Rico, the Commonwealth is joined in this action pursuant to Section 309(e) of the Act.

Total Federal Penalty Assessed or Agreed To: $0
Total Compliance Action Cost: $700,000,000

Case 02-2007-3087 -PRASA Guarbo WTP– filed on 9/15/2015 and settled on 05/13/2007 - The Administrative Order was issued because the facility was discharging without a NPDES permit.
Total Federal Penalty Assessed or Agreed To: $0
Total Compliance Action Cost: $5,000

02-2004-0012 - PRASA VI (Backwash) closed on 05/23/2016 - The facility was included in the case regarding violations of CWA at 133 Water Treatment Plants throughout Puerto Rico. Only 93 Plants have NPDES Permits for their filter backwash discharges. The remaining plants are operating without a permit. Recommend action be taken to secure injunctive relief requiring the defendant to obtain NPDES Permits for those plants not currently permitted, to operate and maintain these plants in accordance with their respective NPDES Permits and the CWA, to make capital improvements where necessary to ensure compliance, to submit accurate discharge monitoring reports for all permitted plants and to obtain a penalty for the violations that have occurred. Modification entered on 08/29/2012.
Total Federal Penalty Assessed or Agreed To: $1,024,427
Total Compliance Action Cost: $195,000,000

No other significant noncompliance or high priority violations as of 12/31/2022

2. Mansiones de Ciudad Jadin

Distance to Site: 2,488.67 feet (east according to NEPAssist; 5,800 feet east according to address)
Address: PR 189 KM 101, GURABO PR 00778
FRS ID: 110037118142
NPDS ID: PRR10BB02
Universe: Minor General Permit Covered Facility
Permit Expiration Date: Pending
Compliance Status:
Formal Enforcement Actions:

02-2010-3402 Case Name: Villa Franca Development Corp. closed on 11/23/2009- Respondent has multiple sites permit for its 150+ acre site and a SWPPP but was not implementing storm water BMPs, the SWPPP was deficient, and routine site inspections were not being conducted. Injunctive relief includes the development and submittal of a post construction stormwater plan.
Total Federal Penalty Assessed or Agreed To: $40,000
Total Compliance Action Cost: $10,000

02-2007-3052 Mansiones de Ciudad Jardin, Guarbo, VFDC – closed on 11/23/2009. Facility had a Permit for its 79 acre site which listed Rover Development as the Owner/Operator. Currently Villa Franca Development Corp. is the owner/operator of the site, but they did not submit notification to EPA to transfer the Permit.
Total Federal Penalty Assessed or Agreed To: $0
Total Compliance Action Cost: $12,000

No other violation identified and no significant noncompliance or high priority violation (current as of 12/31/2022).

This facility is outside the 3,000 ft radius.

3. **Caminitos Residential Development**

Distance to Site: 2,798.69 feet (southeast according to NEPAssist; 2,344 ft according to address)
Address: STATE ROAD # 189, KM. 8.6, MAMEY WARD, GURABO PR 00778
FRS ID: 110045502069
NPDS ID: PRR10BU17
Universe: Minor General Permit Covered Facility
Permit Expiration Date: Pending
Compliance Status:
Formal Enforcement Actions:

02-2012-3353 Desarrollos Caminitos, Inc. – case closed on 09/11/2012 - Respondent is in violation of Sections 301 of the Act, 33 U.S.C. 1311 for its failure to comply with certain requirements of the NPDES Construction General Permit for storm water runoff associated with construction activities.
Total Federal Penalty Assessed or Agreed To: $4,700

02-2012-3111 Desarrollos Caminitos, Inc. – case closed on 03/29/2012 - Respondent is in violation of Sections 301 of the Act, 33 U.S.C. 1311 for failure to comply with certain requirements of the NPDES storm water Construction General Permit. NPDES Discharge without a Permit, NPDES Permit Violations
Total Federal Penalty Assessed or Agreed To: 0
Total Compliance Action Cost: $13,600

No other significant noncompliance or high priority violation (current as of 12/31/2022)

4. **Pavement Rehabilitation and Roadway Safety Improvements PR-30**

Distance to Site: 1,950.28 feet (south)
Address: STATE ROAD # 30 from KM 7.3 to Km 14.4, Gurabo PR 00778
FRS ID: 110070500895
NPDS ID: PRR100062
Universe: Minor General Permit Covered Facility- Terminated
Permit Expiration Date: 02/15/2022
Compliance Status: No significant noncompliance or high priority violation (current as of 12/31/2022)

5. **Urb. Preciosa**

Distance to Site: 1,826.28 feet (west according to NEPAssist; 9,213.96 feet west according to address)
Address: STATE ROAD # 189, KM. 4.0, GURABO PR 00778
FRS ID: 110037118115
NPDS ID: PRR10BA16
Universe: Minor General Permit Covered Facility- Pending
Permit Expiration Date: Pending
Compliance Status:
Formal Enforcement Actions:

02-2009-3044 UVDV Development Corp. – case closed on 02/13/2009 -This 15-acre facility is a repeat violator. In 2006 the facility was discovered and had no construction permit. The facility obtained coverage under the construction general permit. EPA conducted a Recon Inspection in April 2008 and again found SW violations at the site.
Total Federal Penalty Assessed or Agreed To: 0
Total Compliance Action Cost: $17,000

02-2008-3026 UVDV Development Corp. – case closed on 07/29/2008 - Based on an inspection of this 15-acre site, now has a permit but were not maintaining pollution controls.
Total Federal Penalty Assessed or Agreed To: 0
Total Compliance Action Cost: $2,000

No other violation identified and no significant noncompliance or high priority violation (current as of 12/31/2022).

This facility is outside the 3,000 ft radius.

6. **Los Llanos de Ciudad Jardin**
   Distance to Site: 1,933.76 feet (east according to NEPAssist; 5,870 feet east according to address
   Address: STATE ROAD # 189, KM. 10.1, GURABO PR 00778
   FRS ID: 110037118927
   NPDS ID: PRR10BF41
   Universe: Minor General Permit Covered Facility- Pending
   Permit Expiration Date: Pending
   Compliance Status: No violation dentified and no significant noncompliance or high priority violation (current as of 12/31/2022)

   This facility is outside the 3,000 ft radius.

According to the information available, these facilities do not appear to present an environmental concern for the Site regarding the NPDES Program.

E. Hazardous Waste (RCRA):

1. Total Petroleum Puerto Rico Corp Service Station 210160

Distance to Site: 1,221.99 feet (northeast according to NEPAssist; 1,480 southeast, according to PRDNER)
Address: State Rd 181 Km 25.1 Bo. Mamey, Gurabo PR 00778
FRS ID: 110042422731
RCRA ID: PRR000022970
Handler Type: Very Small Quantity Generator, Active
Compliance Status: No violation identified and no significant noncompliance or high priority violation as of 5/20/2023

The site is identified as an UST in the PRDNER 2008 database (UST ID 86-1740).

2. Santa Paula Oil Corp

Distance to Site: 1,788.93 feet (southeast according to NEPAssist; 10,350 ft according to PRDNER)
Address: State Rd 189 Km 0.4 Barrio Navarro, Gurabo PR 00778
FRS ID: 110022303069
RCRA ID: PRR000017616
Handler Type: Very Small Quantity Generator, Active
Compliance Status: No violation identified and no significant noncompliance or high priority violation as of 5/20/2023

The site is identified as LUST Active in the PRDNER 2020 databases (UST ID 93-0064). However, because of its location outside the 3000 feet radius with respect to the property, past releases at this site are not expected to have had the potential to migrate to affect the subject property.

3. Caribbean Petroleum LP SS Gulf 177

Distance to Site: 58.13 feet (south according to NEPAssist; 12,732.14 ft southwest according to PRDNER)
Address: State Rd 189 Km 3.3, Gurabo PR 00778
FRS ID: 110009437699
RCRA ID: PRR000007773
Handler Type: Other, Inactive
Compliance Status: The site had an Administrative Formal Enforcement Action for a Prospective Purchaser Agreement on 05/11/2011 (Case Number 02-2011-7504; Court Docket Number: RCRA-02-2011-7504). The action was issued as a result of UST Leak Detection and Repair violation. Puma Energy Caribe, LLC, agreed to address certain environmental conditions at 147 petroleum service stations (one of which is Gulf 196) located throughout Puerto Rico that they had acquired from Caribbean Petroleum Corporation through a court-ordered bankruptcy sale. Respondent is a cooperative prospective purchaser who was not responsible for contamination at any of the acquired service stations. The Enforcement Outcome was a Final Order No Penalty, entered and closed on 05/11/2011; There was no federal penalty assessed and the total compliance action cost: was $2,600,000.

No other violation identified and no significant noncompliance or high priority violation No violation Identified and no significant noncompliance or high priority violation as of 5/20/2023

The site is identified as LUST Active and Inactive in the PRDNER 2020 databases (UST ID 86-0195). However, because of its location outside the 3000 feet radius with respect to

the property, past releases at this site are not expected to have had the potential to migrate to affect the subject property.

4. **Dept. of Ed. Matias Gonzalez School**
   Distance to Site: 72.56 feet (east, according to NEPAssist; 135 ft east according to PRDNER and address).
   Address: Calle Andres Arus Rivera, Gurabo PR 00778
   FRS ID: 110007803136
   RCRA ID: PRR0000379719
   Handler Type: Not in a Universe
   Compliance Status: No violation identified and no significant noncompliance or high priority violation as of 5/20/2023

   The site is identified as an UST in the PRDNER 2008 database (UST ID 94-0222).

5. **P C I Caribe**
   Distance to Site: 58.13 feet (south according to NEPAssist; 1,330 ft east according to address)
   Address: PR 189 KM 7.5, GURABO PR 00778
   FRS ID: 110009436093
   RCRA ID: PRR0000353243
   Handler Type: Not in a Universe
   Compliance Status: No violation identified and no significant noncompliance or high priority violation as of 5/20/2023

6. **John H Harland Co.**
   Distance to Site: 58.13 feet (south according to NEPAssist; 3,700 ft west according to address).
   Address: PR 189 KM 5.9, GURABO PR 00778
   FRS ID: 110009436592
   RCRA ID: PRD982532178
   Handler Type: Very Small Quantity Generator, Active
   Compliance Status: No violation identified as of date of last compliance monitoring activity (08/25/2004) and no significant noncompliance or high priority violation as of 5/20/2023

7. **PRASA Estacion Experimental Well**
   Distance to Site: 58.13 feet (south according to NEPAssist; 5,900 ft west according to address).
   Address: PR 189 KM 5.9, GURABO PR 00778
   FRS ID: 110009436075
   RCRA ID: PR0000049247
   Handler Type: Other, Inactive
   Compliance Status: No violation identified and no significant noncompliance or high priority violation as of 5/20/2023

8. **Adan Caraballo Service Station**
   Distance to Site: 45.73 feet (south according to NEPAssist; 308 ft east according to PRDNER).
   Address: Andres Rivera St. & PR 189, Gurabo PR 00778
   FRS ID: 110007823043
   RCRA ID: PRR000013078
   Handler Type: Not in a Universe, Inactive, Other

Compliance Status: There was a Judicial action (**Case Number:** 02-2009-0011; **Case Name:** Puma Energy Caribe, LLC (Chevron Puerto Rico, LLC)) involving the site. It was closed on 01/20/2021, with a Final Order with Penalty. Case Summary: RCRA-UST case involving 100 out of over 200 facilities containing UST systems owned and/or operated by the Defendant. The violations alleged are failure to provide overfill prevention equipment, failure to provide release detection (groundwater monthly monitoring) for tanks (the wells were incapable of detecting contaminants, thus rendering this method of release detection inadequate; also failure to provide release detection for pressurized piping--specifically, failure to conduct annual test of the operation of the automatic line leak detectors (ALLDs), and failure to conduct annual line tightness test or monthly monitoring of the pressurized piping; and failure to maintain release detection records for annual test of ALLDs and annual line tightness tests. Settlement involves payment of a penalty, performance of injunctive relief, and undertaking 2 SEPs. A Supplemental Referral was sent to the Department of Justice on September 17, 2014. On February 6, 2017, the Department of Justice filed a non-material modification of a judicial consent decree under which the Defendant must pay a stipulated penalty of $150,000 for failure to fully implement two supplemental environmental projects (SEP) involving installation and operation of: (i) centralized monitoring of the release detection systems, and (ii) liquid sensors beneath dispenser pans, for underground storage tanks located at certain of the facilities (i.e., gas stations) covered by the consent decree. The CD modification also removes thirteen gas stations from the list of facilities subject to the CD's compliance and SEP requirements, because those stations' USTs were closed and removed. Finally, the modification creates a mechanism for the future removal of additional stations from the decree, conditional on payment of a $5,000 stipulated penalty for the failure to perform approximately twelve months' remaining work required under the decree.
Total Federal Penalty Assessed or Agreed To: $600,000
Total State/Local Penalty Assessed: $0
Total SEP Value: $3,474,352
Total Compliance Action Cost: $1,800,000

No other violation identified and no significant noncompliance or high priority violation as of 5/20/2023.

The site is also identified as LUST Active in the PRDNER 2020 databases (UST ID 86-1729). Known during UST removal on May 20, 1999. ***The direction of the plume and the current status of the leak are unknown. However, since there is a stream between the Site and this facility, past releases at this site are not expected to have had the potential to migrate to affect the subject property, thus it does not appear to present an environmental concern.***

9. Shell Co. PR LTD SS 804851

Distance to Site: 2,488.67 feet (west according to NEPAssist; 796.05 feet west according to PRDNER)
Address: RD PR 189, GURABO PR 00778
FRS ID: 110007819833
RCRA ID: PRR000006361
Handler Type: Not in an Universe, Inactive, Other
Compliance Status: No violation identified and no significant noncompliance or high priority violation as of 5/20/2023

The site is identified as an UST in the PRDNER 2008 database (UST ID 86-0623)

10. **Agricultural Experiment Substation UPR**
    Distance to Site: 695.60 feet (west according to NEPAssist; 5,900 ft west according to address location)
    Address: PR 189 KM 0.9, GURABO PR 00778
    FRS ID: 110007804439
    RCRA ID: PRR0000690925
    Handler Type: Inactive, Other
    Compliance Status: No violation identified as of date of last compliance monitoring activity (08/01/1994) and no significant noncompliance or high priority violation as of 5/20/2023

    The site is identified as LUST Inactive in the PRDRNA 2020 databases (UST ID 86-1911). However, because of its location outside the 3000 feet radius with respect to the property, past releases at this site are not expected to have had the potential to migrate to affect the subject property.

11. **OSRAM Specialties Puerto Rico Inc.**
    Distance to Site: 1,788.93 feet (east according to NEPAssist; 1,330 ft east according to address)
    Address: PR 189 KM 7.8, GURABO PR 00778
    FRS ID: 110007805045
    RCRA ID: PRD000692624
    Handler Type: Very Small Quantity Generator, Active
    Compliance Status: No violation identified as of date of last compliance monitoring activity (11/15/2007) and no significant noncompliance or high priority violation as of 5/20/2023.

12. **Surgical Specialties Puerto Rico Inc.**
    Distance to Site: 1,788.93 feet (east according to NEPAssist; more than 450,000 feet west according to address location in another municipality)
    Address: RD 413 Km 0.2 Bo. Ensenada Rincon, PR
    FRS ID: 110007904697
    RCRA ID: PRR000017384
    Handler Type: Very Small Quantity Generator, Active
    Compliance Status: No violation identified as of date of last compliance monitoring activity (08/08/2008) and no significant noncompliance or high priority violation as of 5/20/2023.

13. **Alpha Biomedical & Diagnostics Corp.**
    Distance to Site: 967.42 feet (west according to NEPAssist; 12,805 feet west according to address)
    Address: St Rd. 931 Km 5.2, Gurabo PR 00778
    FRS ID: 110032955737
    RCRA ID: PRN008017345
    Handler Type: Not in a Universe
    Compliance Status: No violation identified and no significant noncompliance or high priority violation as of 5/20/2023

According to the information available, these facilities do not appear to present an environmental concern for the Site with regard to RCRA.

F. Air Emission Sites:

1. Agregados Gurabo Inc.

Distance to Site: 58.13 feet (south according to NEPAssist; address according to web is Carr. PR 931 Km 5.2 Interior Bo. Navarro, Gurabo, PR, which is located 16,780 ft southwest of the Site)
Address: PR-189 Km 9.1, Gurabo PR 00778
FRS ID: 110001990533
Clean Air Act: PR0000007206300005
Programs:

- State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards (CAASIP)

Air Facility Status: Operating Minor Emissions
Compliance Status: No violation identified and no significant noncompliance or high priority violation as of 5/20/2023.

According to the information available, these facilities do not appear to present an environmental concern for the Site with regard to Air Emissions.

II. Additional information from EDR Radius Report:

A. Water Dischargers Sites (NPDES):

1. Gurabo

Distance to Site: 950 feet (west according to EPA's website Coordinates)
Address: PR 189 KM 6.5, Gurabo PR 006778
FRS ID: 110054103082
NPDS ID: PRR040017
Universe: Minor General Permit Covered Facility; Urban Stormwater (Small MS4)
Permit Expiration Date: 06/30/2021
Compliance Status: Unknown as of date of last compliance monitoring activity (08/08/2017). No significant noncompliance or high priority violation (current as of 12/31/2022)

According to the information available, this facility does not appear to present an environmental concern for the Site.

B. State Leaking UST List LUST:

The DNER maintains a list of Leaking Underground Storage Tanks (LUST) incident reports. According to the LUST list available from PREQB (2020), the following LUST sites are located within 0.5 miles (0.8 km) from the Site.

1. UST ID 93-0064 Santa Paula Oil Corp

Distance to Site: 1,788.93 feet (southeast according to NEPAssist; 10,350 ft according to PRDNER)
Address: State Rd 189 Km 0.4 Barrio Navarro, Gurabo PR 00778
Status: Active LUST according to PR DNER 2020 lists
Because of its location outside the 3000 feet radius with respect to the property, past releases at this site are not expected to have had the potential to migrate to affect the subject property.

2. UST ID 86-1729 Adan Caraballo Service Station

Distance to Site: 45.73 feet (south according to NEPAssist; 308 ft west according to PRDNER).
Address: Andres Rivera St. & PR 189, Gurabo PR 00778
Status: Active LUST according to PR DNER 2020 lists. Known during UST removal on May 20, 1999. ***The direction of the plume and the current status of the leak are unknown. However, since there is a stream between the Site and this facility, past releases at this site are not expected to have had the potential to migrate to affect the subject property, thus it does not appear to present an environmental concern.***

3. UST ID 86-1911 Agricultural Experiment Substation UPR

Distance to Site: 695.60 feet (west according to NEPAssist; 5,900 ft west according to address location)
Address: PR 189 KM 0.9, GURABO PR 00778
Status: Inactive LUST according to PR DNER 2020 lists
Because of its location outside the 3000 feet radius with respect to the property, past releases at this site are not expected to have had the potential to migrate to affect the subject property.

C. No facilities listed in EDR for:

1. **Federal NPL Site List (**within 1.0 mile (1.6 km) of the Site)
2. **Federal Delisted NPL Site List** (within 0.5 mile (0.8 km) of the Site)
3. **Federal CERCLIS List (**within 0.5 miles (0.8 km) of the Site)
4. **Federal CERCLA-NFRAP List (**within 0.5 miles (0.8 km) of the Site)
5. **Federal RCRA CORRACTS Facilities List** (within 1.0 mile (1.6 km) of the Site)
6. **Federal RCRA non-CORRACTS TSD Facilities List (**0.5 miles (0.8 km) of the Site)
7. **Institutional Control/Engineering Control Registries** (Site)
8. **Federal ERNS List** (Site)

D. Information provided by the PRDNER:

1. The Environmental Emergencies Department of the DNER indicated they did not have information regarding emergencies, hazardous substances spills or a superfund site in a one-mile radius from the Site.

2. According to the DNER Land Contamination Program's Landfill Lists, there are no landfills within 0.5 miles (0.8 km) from the Site. Upon inquiry to the DNER, they had no active investigations at the Site.

3. The DNER UST Program did not respond to our query regarding this issue.

Supporting Documents for Exhibit 6a
NEPAssist Identified
Facilities within 3,000 ft

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NEPAssist

Home | Help

Segment 1

Map



Geographic coordinates:

LINE
(18.256843,-65.972670,18.256933,-65.973245,18.256044,-65.973262,18.255881,-65.971314,18.256020,-65.971331,18.256036,-65.971468,18.256680,-65.971382,18.256696,-65.971391,18.256851,-65.972661)
with buffer 3000 feet

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

National Report

Length of digitized line	0.38 mi
Within 3000 feet of an Ozone 8-hr (1997 standard) Non-Attainment/Maintenance Area?	no
Within 3000 feet of an Ozone 8-hr (2008 standard) Non-Attainment/Maintenance Area?	no
Within 3000 feet of a Lead (2008 standard) Non-Attainment/Maintenance Area?	no
Within 3000 feet of a SO2 1-hr (2010 standard) Non-Attainment/Maintenance Area?	no
Within 3000 feet of a PM2.5 24hr (2006 standard) Non-Attainment/Maintenance Area?	no
Within 3000 feet of a PM2.5 Annual (1997 standard) Non-Attainment/Maintenance Area?	no
Within 3000 feet of a PM2.5 Annual (2012 standard) Non-Attainment/Maintenance Area?	no
Within 3000 feet of a PM10 (1987 standard) Non-Attainment/Maintenance Area?	no
Within 3000 feet of a Federal Land?	no
Within 3000 feet of an impaired stream?	no
Within 3000 feet of an impaired waterbody?	yes
Within 3000 feet of a waterbody?	yes
Within 3000 feet of a stream?	yes
Within 3000 feet of an NWI wetland?	click here ***May take several minutes***
Within 3000 feet of a Brownfields site?	no
Within 3000 feet of a Superfund site?	no
Within 3000 feet of a Toxic Release Inventory (TRI) site?	no
Within 3000 feet of a water discharger (NPDES)?	yes

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Within 3000 feet of a hazardous waste (RCRA) facility?	yes
Within 3000 feet of an air emission facility?	yes
Within 3000 feet of a school?	yes
Within 3000 feet of an airport?	no
Within 3000 feet of a hospital?	no
Within 3000 feet of a designated sole source aquifer?	no
Within 3000 feet of a historic property on the National Register of Historic Places?	no
Within 3000 feet of a Toxic Substances Control Act (TSCA) site?	no
Within 3000 feet of a Land Cession Boundary?	no
Within 3000 feet of a tribal area (lower 48 states)?	no
Within 3000 feet of the service area of a mitigation or conservation bank?	no
Within 3000 feet of the service area of an In-Lieu-Fee Program?	no
Within 3000 feet of a Public Property Boundary of the Formerly Used Defense Sites?	yes
Within 3000 feet of a Munitions Response Site?	no
Within 3000 feet of an Essential Fish Habitat (EFH)?	no
Within 3000 feet of a Habitat Area of Particular Concern (HAPC)?	no
Within 3000 feet of an EFH Area Protected from Fishing (EFHA)?	yes
Within 3000 feet of a Bureau of Land Management Area of Critical Environmental Concern?	no
Within 3000 feet of an ESA-designated Critical Habitat Area per U.S. Fish & Wildlife Service?	no
Within 3000 feet of an ESA-designated Critical Habitat river, stream or water feature per U.S. Fish & Wildlife Service?	no

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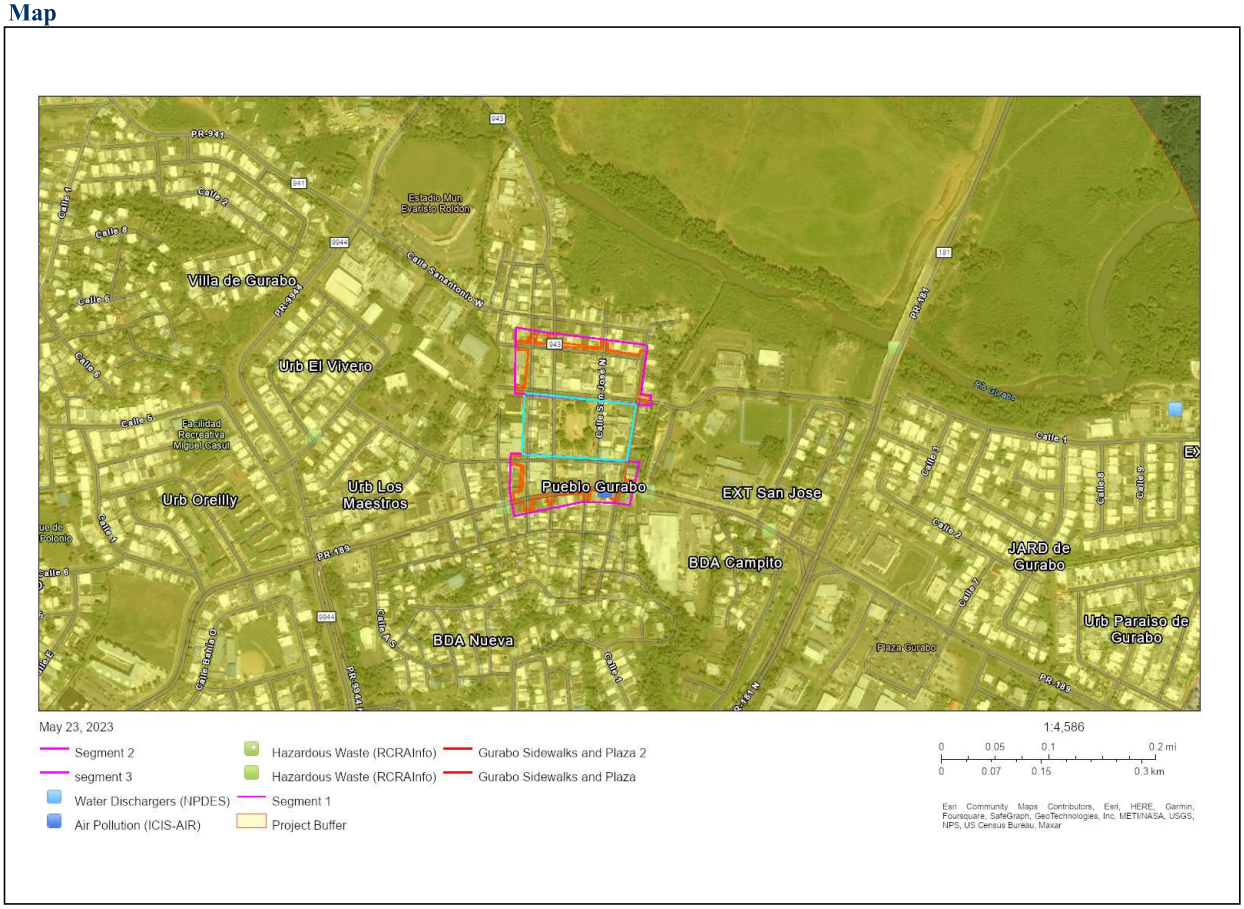
Puerto Rico Report
Demographic Reports
USFWS IPaC Report

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NEPAssist

Segment 2

Map



Geographic coordinates:

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with buffer 3000 feet

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

National Report

Length of digitized line	0.31 mi
Within 3000 feet of an Ozone 8-hr (1997 standard) Non-Attainment/Maintenance Area?	no
Within 3000 feet of an Ozone 8-hr (2008 standard) Non-Attainment/Maintenance Area?	no
Within 3000 feet of a Lead (2008 standard) Non-Attainment/Maintenance Area?	no
Within 3000 feet of a SO2 1-hr (2010 standard) Non-Attainment/Maintenance Area?	no
Within 3000 feet of a PM2.5 24hr (2006 standard) Non-Attainment/Maintenance Area?	no
Within 3000 feet of a PM2.5 Annual (1997 standard) Non-Attainment/Maintenance Area?	no
Within 3000 feet of a PM2.5 Annual (2012 standard) Non-Attainment/Maintenance Area?	no
Within 3000 feet of a PM10 (1987 standard) Non-Attainment/Maintenance Area?	no
Within 3000 feet of a Federal Land?	no
Within 3000 feet of an impaired stream?	no
Within 3000 feet of an impaired waterbody?	yes
Within 3000 feet of a waterbody?	yes
Within 3000 feet of a stream?	yes
Within 3000 feet of an NWI wetland?	click here ***May take several minutes***
Within 3000 feet of a Brownfields site?	no
Within 3000 feet of a Superfund site?	no
Within 3000 feet of a Toxic Release Inventory (TRI) site?	no
Within 3000 feet of a water discharger (NPDES)?	yes
Within 3000 feet of a hazardous waste (RCRA) facility?	yes

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Within 3000 feet of an air emission facility?	yes
Within 3000 feet of a school?	yes
Within 3000 feet of an airport?	no
Within 3000 feet of a hospital?	no
Within 3000 feet of a designated sole source aquifer?	no
Within 3000 feet of a historic property on the National Register of Historic Places?	no
Within 3000 feet of a Toxic Substances Control Act (TSCA) site?	no
Within 3000 feet of a Land Cession Boundary?	no
Within 3000 feet of a tribal area (lower 48 states)?	no
Within 3000 feet of the service area of a mitigation or conservation bank?	no
Within 3000 feet of the service area of an In-Lieu-Fee Program?	no
Within 3000 feet of a Public Property Boundary of the Formerly Used Defense Sites?	yes
Within 3000 feet of a Munitions Response Site?	no
Within 3000 feet of an Essential Fish Habitat (EFH)?	no
Within 3000 feet of a Habitat Area of Particular Concern (HAPC)?	no
Within 3000 feet of an EFH Area Protected from Fishing (EFHA)?	yes
Within 3000 feet of a Bureau of Land Management Area of Critical Environmental Concern?	no
Within 3000 feet of an ESA-designated Critical Habitat Area per U.S. Fish & Wildlife Service?	no
Within 3000 feet of an ESA-designated Critical Habitat river, stream or water feature per U.S. Fish & Wildlife Service?	no

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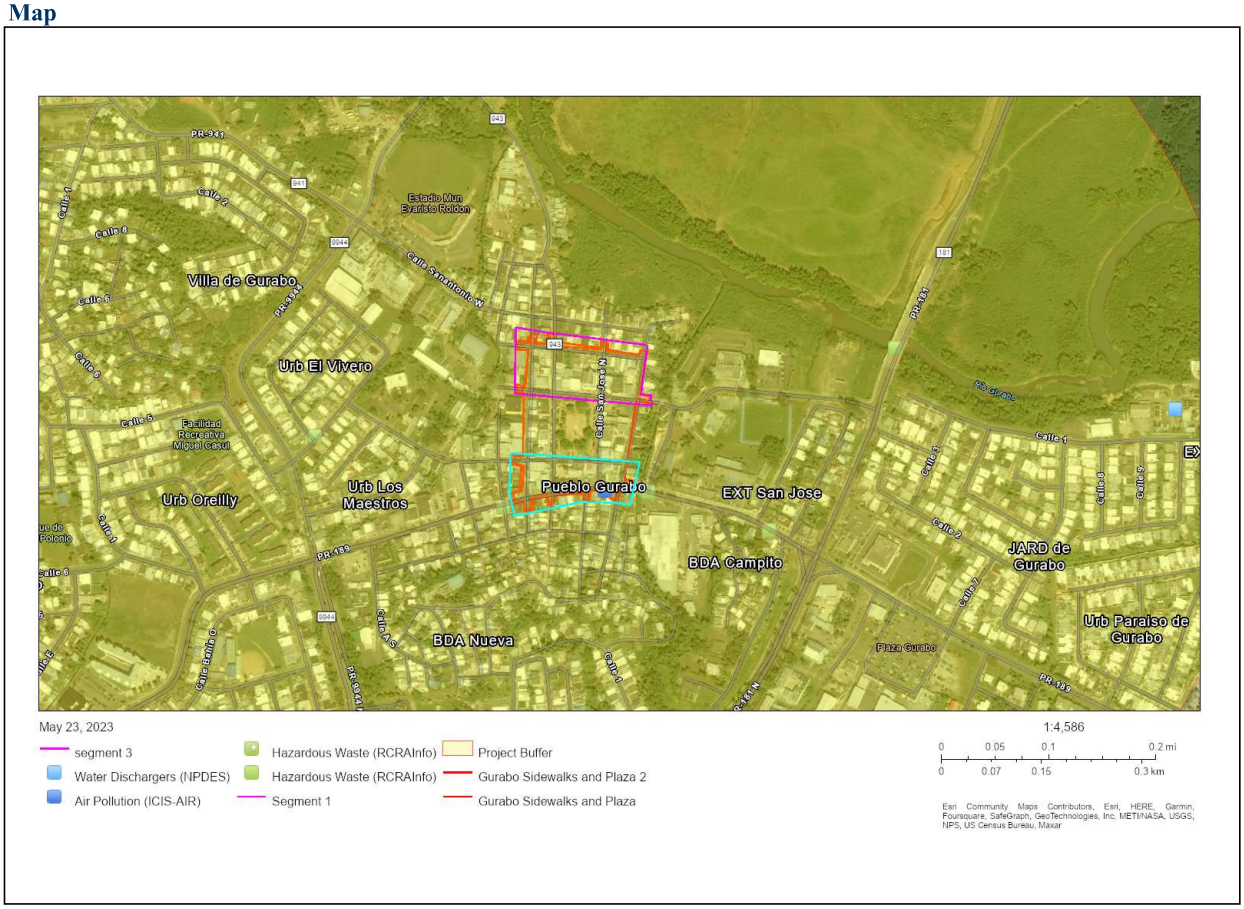
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NEPAssist

Home | Help

segment 3

Map



Geographic coordinates:

LINE
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with buffer 3000 feet

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

National Report

Length of digitized line	0.33 mi
Within 3000 feet of an Ozone 8-hr (1997 standard) Non-Attainment/Maintenance Area?	no
Within 3000 feet of an Ozone 8-hr (2008 standard) Non-Attainment/Maintenance Area?	no
Within 3000 feet of a Lead (2008 standard) Non-Attainment/Maintenance Area?	no
Within 3000 feet of a SO2 1-hr (2010 standard) Non-Attainment/Maintenance Area?	no
Within 3000 feet of a PM2.5 24hr (2006 standard) Non-Attainment/Maintenance Area?	no
Within 3000 feet of a PM2.5 Annual (1997 standard) Non-Attainment/Maintenance Area?	no
Within 3000 feet of a PM2.5 Annual (2012 standard) Non-Attainment/Maintenance Area?	no
Within 3000 feet of a PM10 (1987 standard) Non-Attainment/Maintenance Area?	no
Within 3000 feet of a Federal Land?	no
Within 3000 feet of an impaired stream?	no
Within 3000 feet of an impaired waterbody?	yes
Within 3000 feet of a waterbody?	yes
Within 3000 feet of a stream?	yes
Within 3000 feet of an NWI wetland?	click here ***May take several minutes***
Within 3000 feet of a Brownfields site?	no
Within 3000 feet of a Superfund site?	no
Within 3000 feet of a Toxic Release Inventory (TRI) site?	no
Within 3000 feet of a water discharger (NPDES)?	yes

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Within 3000 feet of a hazardous waste (RCRA) facility?	yes
Within 3000 feet of an air emission facility?	yes
Within 3000 feet of a school?	yes
Within 3000 feet of an airport?	no
Within 3000 feet of a hospital?	no
Within 3000 feet of a designated sole source aquifer?	no
Within 3000 feet of a historic property on the National Register of Historic Places?	no
Within 3000 feet of a Toxic Substances Control Act (TSCA) site?	no
Within 3000 feet of a Land Cession Boundary?	no
Within 3000 feet of a tribal area (lower 48 states)?	no
Within 3000 feet of the service area of a mitigation or conservation bank?	no
Within 3000 feet of the service area of an In-Lieu-Fee Program?	no
Within 3000 feet of a Public Property Boundary of the Formerly Used Defense Sites?	yes
Within 3000 feet of a Munitions Response Site?	no
Within 3000 feet of an Essential Fish Habitat (EFH)?	no
Within 3000 feet of a Habitat Area of Particular Concern (HAPC)?	no
Within 3000 feet of an EFH Area Protected from Fishing (EFHA)?	yes
Within 3000 feet of a Bureau of Land Management Area of Critical Environmental Concern?	no
Within 3000 feet of an ESA-designated Critical Habitat Area per U.S. Fish & Wildlife Service?	no
Within 3000 feet of an ESA-designated Critical Habitat river, stream or water feature per U.S. Fish & Wildlife Service?	no

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Gurabo Streets
Gurabo PR
Gurabo, PR 00778

Inquiry Number: 7345813.2s
May 24, 2023

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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TABLE OF CONTENTS

SECTION	PAGE
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	7
Orphan Summary	62
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting Source Map	A-7
Physical Setting Source Map Findings	A-8
Physical Setting Source Records Searched	PSGR-1

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527-21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-22) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

GURABO PR
GURABO, PR 00778

COORDINATES

Latitude (North):	18.2554540 - 18° 15' 19.63''
Longitude (West):	65.9723720 - 65° 58' 20.53''
Universal Tranverse Mercator:	Zone 20
UTM X (Meters):	185674.4
UTM Y (Meters):	2020882.5
Elevation:	171 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	12367409 GURABO, PR
Version Date:	2018
Southeast Map:	12367785 JUNCOS, PR
Version Date:	2018

MAPPED SITES SUMMARY

Target Property Address:
GURABO PR
GURABO, PR 00778

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	CARIBBEAN PETROLEUM	PR-189 KM 3.3	FINDS, ECHO	Higher	1 ft.
A2	P C I CARIBE	CARR 189 KM 7.5	FINDS, ECHO	Higher	1 ft.
A3	AGREGADOS GURABO INC	PR-189 KM 9.1	US AIRS, FINDS, ECHO	Higher	1 ft.
A4	PRASA ESTACION EXPER	PR-189 KM 5.4	FINDS, ECHO	Higher	1 ft.
A5	VALCOR SAMCOR	PR-189 KM 9.2	FINDS	Higher	1 ft.
A6	GURABO READINESS CEN		PFAS FEDERAL SITES	Higher	1 ft.
A7	JOHN H HARLAND CO	CARR. 189 KM 5.9	FINDS, ECHO	Higher	1 ft.
8	VEOLIA ES TECHNICAL	STATE RD 189 KM 3.3	RCRA-VSQG, NJ MANIFEST	Higher	3, 0.001,
B9	PRAXAIR PUERTO RICO		PFAS ECHO	Higher	954, 0.181, WSW
B10	AGGREGATE,INC		US MINES	Higher	958, 0.181, WSW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Lists of Federal Delisted NPL sites

Delisted NPL ---------- National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY ---------- Federal Facility Site Information listing
SEMS ---------- Superfund Enterprise Management System

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE ---------- Superfund Enterprise Management System Archive

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS ---------- Corrective Action Report

Lists of Federal RCRA TSD facilities

RCRA-TSDF ---------- RCRA - Treatment, Storage and Disposal

Lists of Federal RCRA generators

RCRA-LQG ---------- RCRA - Large Quantity Generators
RCRA-SQG ---------- RCRA - Small Quantity Generators

Federal institutional controls / engineering controls registries

LUCIS ---------- Land Use Control Information System
US ENG CONTROLS ---------- Engineering Controls Sites List
US INST CONTROLS ---------- Institutional Controls Sites List

EXECUTIVE SUMMARY

Federal ERNS list

ERNS ---------- Emergency Response Notification System

Lists of state- and tribal hazardous waste facilities

PR SHWS ---------- This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL list.

Lists of state and tribal leaking storage tanks

PR LUST ---------- Leaking Underground Storage Tanks
INDIAN LUST ---------- Leaking Underground Storage Tanks on Indian Land

Lists of state and tribal registered storage tanks

FEMA UST ---------- Underground Storage Tank Listing
PR UST ---------- Underground Storage Tank Facilities
INDIAN UST ---------- Underground Storage Tanks on Indian Land

Lists of state and tribal voluntary cleanup sites

INDIAN VCP ---------- Voluntary Cleanup Priority Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ---------- A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

INDIAN ODI ---------- Report on the Status of Open Dumps on Indian Lands
ODI ---------- Open Dump Inventory
DEBRIS REGION 9 ---------- Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS ---------- Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL ---------- Delisted National Clandestine Laboratory Register
US CDL ---------- National Clandestine Laboratory Register

Local Land Records

LIENS 2 ---------- CERCLA Lien Information

Records of Emergency Release Reports

HMIRS ---------- Hazardous Materials Information Reporting System

Other Ascertainable Records

RCRA NonGen / NLR ---------- RCRA - Non Generators / No Longer Regulated

EXECUTIVE SUMMARY

FUDS	Formerly Used Defense Sites
DOD	Department of Defense Sites
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR	Financial Assurance Information
EPA WATCH LIST	EPA WATCH LIST
2020 COR ACTION	2020 Corrective Action Program List
TSCA	Toxic Substances Control Act
TRIS	Toxic Chemical Release Inventory System
SSTS	Section 7 Tracking Systems
ROD	Records Of Decision
RMP	Risk Management Plans
RAATS	RCRA Administrative Action Tracking System
PRP	Potentially Responsible Parties
PADS	PCB Activity Database System
ICIS	Integrated Compliance Information System
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS	Material Licensing Tracking System
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database
RADINFO	Radiation Information Database
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS	Incident and Accident Data
CONSENT	Superfund (CERCLA) Consent Decrees
INDIAN RESERV	Indian Reservations
FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
ABANDONED MINES	Abandoned Mines
UXO	Unexploded Ordnance Sites
DOCKET HWC	Hazardous Waste Compliance Docket Listing
FUELS PROGRAM	EPA Fuels Program Registered Listing
PFAS NPL	Superfund Sites with PFAS Detections Information
PFAS TSCA	PFAS Manufacture and Imports Information
PFAS RCRA MANIFEST	PFAS Transfers Identified In the RCRA Database Listing
PFAS ATSDR	PFAS Contamination Site Location Listing
PFAS WQP	Ambient Environmental Sampling for PFAS
PFAS NPDES	Clean Water Act Discharge Monitoring Information
PFAS ECHO FIRE TRAINING	Facilities in Industries that May Be Handling PFAS Listing
PFAS PART 139 AIRPORT	All Certified Part 139 Airports PFAS Information Listing
AQUEOUS FOAM NRC	Aqueous Foam Related Incidents Listing
MINES MRDS	Mineral Resources Data System
PFAS TRIS	List of PFAS Added to the TRI

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	EDR Proprietary Manufactured Gas Plants
EDR Hist Auto	EDR Exclusive Historical Auto Stations
EDR Hist Cleaner	EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

PR RGA LUST	Recovered Government Archive Leaking Underground Storage Tank

EXECUTIVE SUMMARY

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal RCRA generators

RCRA-VSQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-VSQG list, as provided by EDR, and dated 03/06/2023 has revealed that there is 1 RCRA-VSQG site within approximately R:¡ :< |‰ æ miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
VEOLIA ES TECHNICAL	***STATE RD 189 KM 3.3***	***0 - 1/8 (0.001 mi.)***	***8***	***11***
EPA ID:: PRD987381746				

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

US AIRS: The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

A review of the US AIRS list, as provided by EDR, has revealed that there is 1 US AIRS site within approximately R:¡ :< |‰ æ miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
AGREGADOS GURABO INC	***PR-189 KM 9.1***	***0 - 1/8 (0.000 mi.)***	***A3***	***8***
Database: US AIRS MINOR, Date of Government Version: 10/12/2016				
EPA plant ID:: 110038433772				

EXECUTIVE SUMMARY

US MINES: Mines Master Index File. The source of this database is the Dept. of Labor, Mine Safety and Health Administration.

A review of the US MINES list, as provided by EDR, has revealed that there is 1 US MINES site within approximately R:¡ :< |‰ æ miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
AGGREGATE,INC Database: US MINES, Date of Government Version: 02/02/2023 Mine ID:: 5400500		WSW 1/8 - 1/4 (0.181 mi.)	B10	61

FINDS: The Facility Index System contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRIS; Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

A review of the FINDS list, as provided by EDR, and dated 02/02/2023 has revealed that there are 6 FINDS sites within approximately R:¡ :< |‰ æ miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CARIBBEAN PETROLEUM Registry ID:: 110009437699	***PR-189 KM 3.3***	***0 - 1/8 (0.000 mi.)***	***A1***	***7***
P C I CARIBE Registry ID:: 110009436093	***CARR 189 KM 7.5***	***0 - 1/8 (0.000 mi.)***	***A2***	***7***
AGREGADOS GURABO INC Registry ID:: 110001990533	***PR-189 KM 9.1***	***0 - 1/8 (0.000 mi.)***	***A3***	***8***
PRASA ESTACION EXPER Registry ID:: 110009436075	***PR-189 KM 5.4***	***0 - 1/8 (0.000 mi.)***	***A4***	***9***
VALCOR SAMCOR Registry ID:: 110011941989	PR-189 KM 9.2	0 - 1/8 (0.000 mi.)	A5	9
JOHN H HARLAND CO Registry ID:: 110009436592	***CARR. 189 KM 5.9***	***0 - 1/8 (0.000 mi.)***	***A7***	***10***

ECHO: ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

A review of the ECHO list, as provided by EDR, and dated 01/01/2023 has revealed that there are 5 ECHO sites within approximately R:¡ :< |‰ æ miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CARIBBEAN PETROLEUM Registry ID: 110009437699	***PR-189 KM 3.3***	***0 - 1/8 (0.000 mi.)***	***A1***	***7***
P C I CARIBE Registry ID: 110009436093	***CARR 189 KM 7.5***	***0 - 1/8 (0.000 mi.)***	***A2***	***7***
AGREGADOS GURABO INC	***PR-189 KM 9.1***	***0 - 1/8 (0.000 mi.)***	***A3***	***8***

Registry ID: 110001990533				
PRASA ESTACION EXPER	***PR-189 KM 5.4***	***0 - 1/8 (0.000 mi.)***	***A4***	***9***
Registry ID: 110009436075				
JOHN H HARLAND CO	***CARR. 189 KM 5.9***	***0 - 1/8 (0.000 mi.)***	***A7***	***10***
Registry ID: 110009436592				

PFAS FEDERAL SITES: Several federal entities, such as the federal Superfund program, Department of Defense, National Aeronautics and Space Administration, Department of Transportation, and Department of Energy provided information for sites with known or suspected detections at federal facilities.

A review of the PFAS FEDERAL SITES list, as provided by EDR, and dated 03/30/2023 has revealed that there is 1 PFAS FEDERAL SITES site within approximately R:¡ :< |‰ æ miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GURABO READINESS CEN		0 - 1/8 (0.000 mi.)	A6	10

PFAS ECHO: Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. EPA has developed a dataset from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

A review of the PFAS ECHO list, as provided by EDR, and dated 03/30/2023 has revealed that there is 1 PFAS ECHO site within approximately R:¡ :< |‰ æ miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PRAXAIR PUERTO RICO		WSW 1/8 - 1/4 (0.181 mi.)	B9	59

NJ MANIFEST: Hazardous waste manifest information.

A review of the NJ MANIFEST list, as provided by EDR, and dated 12/31/2018 has revealed that there is 1 NJ MANIFEST site within approximately R:¡ :< |‰ æ miles of the target property.

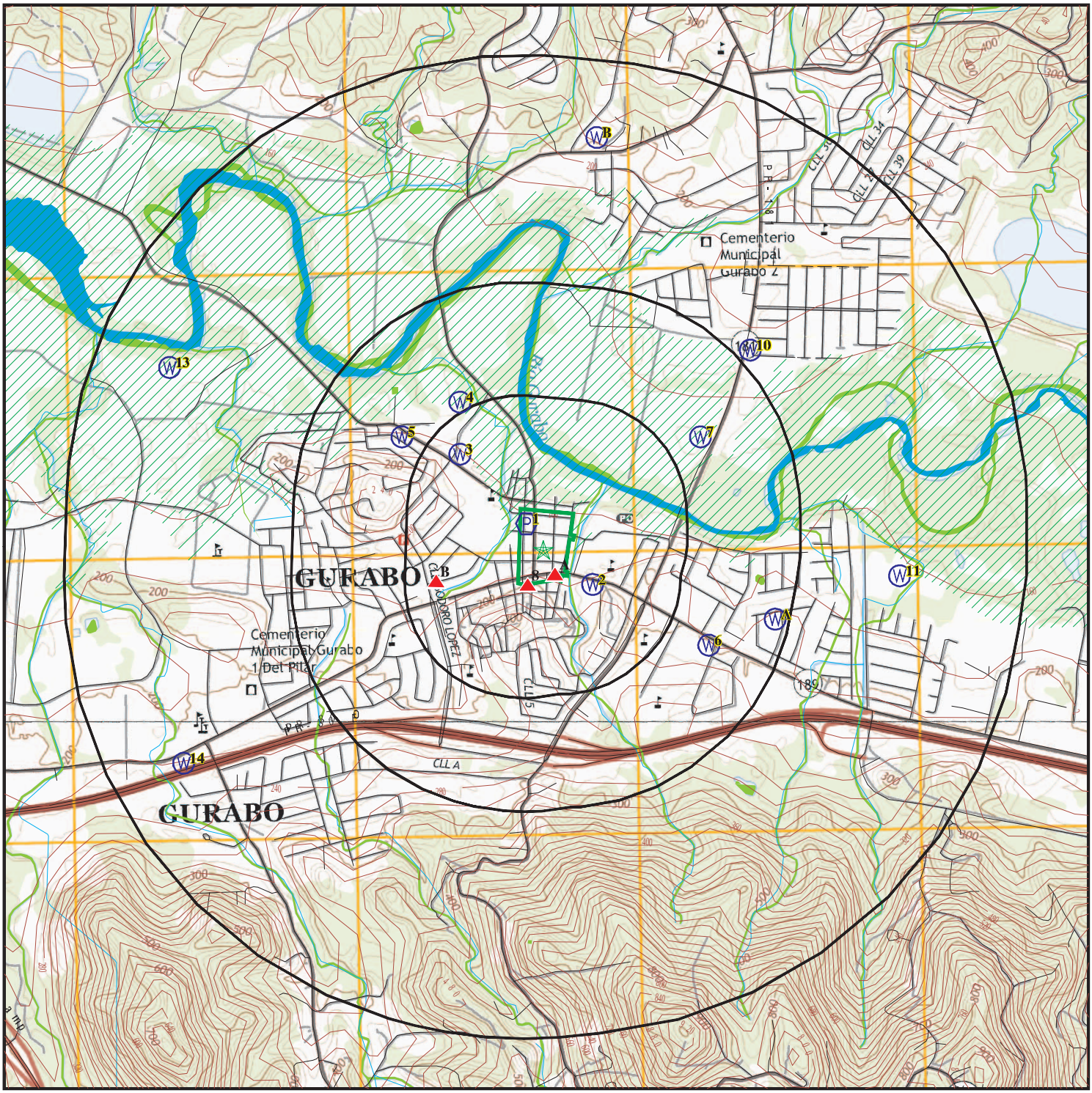
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
VEOLIA ES TECHNICAL	***STATE RD 189 KM 3.3***	***0 - 1/8 (0.001 mi.)***	***8***	***11***
EPA Id: PRD987381746				

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 20 records.

Site Name	Database(s)
HUMACAO ABANDONED DRUMS	SEMS
ADAN CARABALLO S/S #318	PR LUST
	PR LUST
SHELL 3611	PR LUST
JUAN DELGADO BETANCOURT	PR LUST
ESTACION EXPERIMENTAL AGRICOLA DE	PR LUST
CHEVRON USA	PR LUST
SANTA PAULA GURABO S/S	PR UST
CARIBBEAN FLEET SOLUTIONS LLC GURA	RCRA-SQG
BORINQUEN METALS GURABO	FINDS
PRAXAIR GURABO PR	FINDS, ECHO
PRASA GURABO URBANO	FINDS, ECHO
GURABO	FINDS, ECHO
GIUDAD JARDIN GURABO LOS ALTOS	FINDS, ECHO
CARIBBEAN FLEET SOLUTIONS LLC GURA	FINDS
REPLACEMENT OF BRIDGE NO. 982 OVER	FINDS, ECHO
ESTACION GURABO	PR RGA LUST
SUBESTACION DE GURABO	PR RGA LUST
SANTA PAULA GURABO S/S	PR RGA LUST
CARIBBEAN FLEET SOLUTIONS LLC GURA	ECHO

OVERVIEW MAP - 7345813.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory

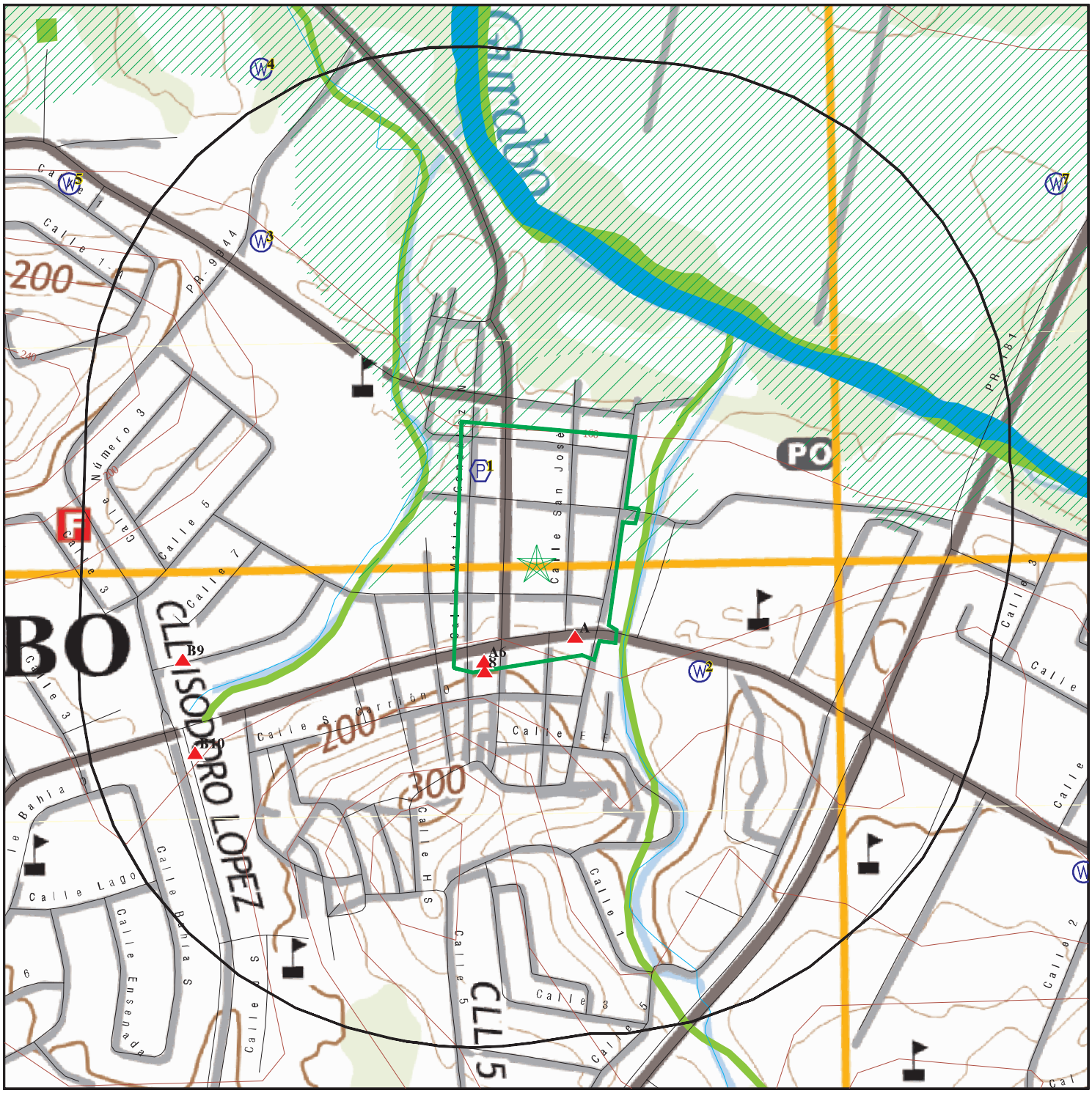
This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Gurabo Streets	CLIENT: AVA Environmental Consultants Inc.
ADDRESS: Gurabo PR Gurabo PR 00778	CONTACT: Augusto Velazquez
LAT/LONG: 18.255454 / 65.972372	INQUIRY #: 7345813.2s DATE: May 24, 2023 8:15 am

Report Prepared on June 2023

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DETAIL MAP - 7345813.2S



0 1/16 1/8 1/4 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Gurabo Streets	CLIENT:	AVA Environmental Consultants Inc.
ADDRESS:	Gurabo PR Gurabo PR 00778	CONTACT:	Augusto Velazquez
LAT/LONG:	18.255454 / 65.972372	INQUIRY #:	7345813.2s
		DATE:	May 24, 2023 8:16 am

Report Prepared on June 2023

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Lists of Federal NPL (Superfund) sites								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Lists of Federal Delisted NPL sites								
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA facilities undergoing Corrective Action								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA TSD facilities								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA generators								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		1	0	NR	NR	NR	1
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
Lists of state- and tribal hazardous waste facilities								
PR SHWS	N/A		N/A	N/A	N/A	N/A	N/A	N/A
Lists of state and tribal leaking storage tanks								
PR LUST	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0
Lists of state and tribal registered storage tanks								
FEMA UST	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
PR UST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
Lists of state and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
Local Land Records								
LIENS 2	0.001		0	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		1	NR	NR	NR	NR	1
US MINES	0.250		0	1	NR	NR	NR	1
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001		6	NR	NR	NR	NR	6
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
ECHO	0.001		5	NR	NR	NR	NR	5
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
PFAS NPL	0.250		0	0	NR	NR	NR	0
PFAS FEDERAL SITES	0.250		1	0	NR	NR	NR	1
PFAS TSCA	0.250		0	0	NR	NR	NR	0
PFAS RCRA MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS ATSDR	0.250		0	0	NR	NR	NR	0
PFAS WQP	0.250		0	0	NR	NR	NR	0
PFAS NPDES	0.250		0	0	NR	NR	NR	0
PFAS ECHO	0.250		0	1	NR	NR	NR	1
PFAS ECHO FIRE TRAINING	0.250		0	0	NR	NR	NR	0
PFAS PART 139 AIRPORT	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM NRC	0.250		0	0	NR	NR	NR	0
MINES MRDS	0.001		0	NR	NR	NR	NR	0
PFAS TRIS	0.250		0	0	NR	NR	NR	0
NJ MANIFEST	0.250		1	0	NR	NR	NR	1
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
PR RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		0	15	2	0	0	0	17

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

N/A = This State does not maintain a SHWS list. See the Federal CERCLIS list.

A1 **CARIBBEAN PETROLEUM LP SS GULF 177** **FINDS** **1016280816**
PR-189 KM 3.3 **ECHO** **N/A**
< 1/8 **GURABO, PR 00778**
1 ft.

Site 1 of 7 in cluster A

Relative: FINDS:
Higher Registry ID: 110009437699

Actual:
173 ft. Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1016280816
Registry ID:	110009437699
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110009437699
Name:	CARIBBEAN PETROLEUM LP SS GULF 177
Address:	PR-189 KM 3.3
City,State,Zip:	GURABO, PR 00778

A2 **P C I CARIBE** **FINDS** **1016280694**
CARR 189 KM 7.5 **ECHO** **N/A**
< 1/8 **GURABO, PR 00778**
1 ft.

Site 2 of 7 in cluster A

Relative: FINDS:
Higher Registry ID: 110009436093

Actual:
173 ft. Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and

P C I CARIBE (Continued) **1016280694**

corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1016280694
Registry ID:	110009436093
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110009436093
Name:	P C I CARIBE
Address:	CARR 189 KM 7.5
City,State,Zip:	GURABO, PR 00778

A3 **AGREGADOS GURABO INC** **US AIRS** **1004592066**
PR-189 KM 9.1 **FINDS** **N/A**
< 1/8 **GURABO, PR 00778** **ECHO**
1 ft.

Site 3 of 7 in cluster A

Relative: Higher
Actual: 173 ft.

US AIRS MINOR:

Envid:	1004592066
Region Code:	02
Programmatic ID:	AIR PR0000007206300005
Facility Registry ID:	110001990533
D and B Number:	Not reported
Primary SIC Code:	3295
NAICS Code:	212399
Default Air Classification Code:	MIN
Facility Type of Ownership Code:	POF
Air CMS Category Code:	Not reported
HPV Status:	Not reported

FINDS:

Registry ID: 110001990533

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.
AIR MINOR

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1004592066
Registry ID:	110001990533
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110001990533
Name:	AGREGADOS GURABO INC

AGREGADOS GURABO INC (Continued) **1004592066**

Address: PR-189 KM 9.1
City,State,Zip: GURABO, PR 00778

A4 **PRASA ESTACION EXPERIMENTAL WELL** **FINDS** **1016681692**
PR-189 KM 5.4 **ECHO** **N/A**
< 1/8 **GURABO, PR 00778**
1 ft.

Site 4 of 7 in cluster A

Relative: **Higher**
Actual: **173 ft.**

FINDS:
Registry ID: 110009436075

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1016681692
Registry ID: 110009436075
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110009436075
Name: PRASA ESTACION EXPERIMENTAL WELL
Address: PR-189 KM 5.4
City,State,Zip: GURABO, PR 00778

A5 **VALCOR SAMCOR** **FINDS** **1016682653**
PR-189 KM 9.2 **N/A**
< 1/8 **GURABO, PR 00778**
1 ft.

Site 5 of 7 in cluster A

Relative: **Higher**
Actual: **173 ft.**

FINDS:
Registry ID: 110011941989

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.
ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and

VALCOR SAMCOR (Continued) **1016682653**

it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

A6 **GURABO READINESS CENTER** **PFAS FEDERAL SITES** **1027317271**
N/A

< 1/8 **, PR**
1 ft.

Site 6 of 7 in cluster A

Relative: PFAS FEDERAL SITES:
Higher

Facility ID:	Not reported
Name:	GURABO READINESS CENTER
Address:	Not reported
City,State,Zip:	PR
Latitude:	18.254498000000009
Longitude:	-65.972904999999983
Federal Agency:	Army
EPA Region:	02
PFAS Presence:	Suspected
Link:	-
Property Type:	National Guard
Organization Reporting PFAS Presence:	DoD
Notes:	-
EJSCREEN Report:	https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-65.972905,%22y%22:18.254498,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&unit=9035&areatype=&areaid=&basemap=streets&distance=1

Actual:
183 ft.

A7 **JOHN H HARLAND CO** **FINDS** **1016280720**
CARR. 189 KM 5.9 **ECHO** **N/A**

< 1/8 **GURABO, PR 00778**
1 ft.

Site 7 of 7 in cluster A

Relative: FINDS:
Higher
Registry ID: 110009436592

Actual:
173 ft.
Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

JOHN H HARLAND CO (Continued) **1016280720**

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1016280720
Registry ID:	110009436592
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110009436592
Name:	JOHN H HARLAND CO
Address:	CARR. 189 KM 5.9
City,State,Zip:	GURABO, PR 00778

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8 **VEOLIA ES TECHNICAL SOLUTIONS LLC** **RCRA-VSQG 1000875352**
STATE RD 189 KM 3.3 **NJ MANIFEST PRD987381746**
< 1/8 **GURABO, PR 00778**
0.001 mi.
3 ft.

Relative: Higher

Actual: 187 ft.

RCRA Listings:

Date Form Received by Agency:	20170525
Handler Name:	Veolia Es Technical Solutions Llc
Handler Address:	STATE RD 189 KM 3.3
Handler City,State,Zip:	GURABO, PR 00778
EPA ID:	PRD987381746
Contact Name:	TOMAS J RIVERA
Contact Address:	PMB 501 RAFAEL CORDERO 200
Contact City,State,Zip:	CAGUAS, PR 00725
Contact Telephone:	787-744-0070 4
Contact Fax:	Not reported
Contact Email:	TOMAS.RIVERA@VEOLIAES.COM
Contact Title:	Not reported
EPA Region:	02
Land Type:	Private
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	PMB 501 RAFAEL CORDERO 200
Mailing City,State,Zip:	CAGUAS, PR 00725
Owner Name:	Onyx Environmental Services
Owner Type:	Private
Operator Name:	Veolia Es Technical Solutions Llc
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	Yes
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No

VEOLIA ES TECHNICAL SOLUTIONS LLC (Continued) **1000875352**

Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20171120
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D000
Waste Description:	Not Defined
Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D002
Waste Description:	CORROSIVE WASTE
Waste Code:	D003
Waste Description:	REACTIVE WASTE
Waste Code:	D004
Waste Description:	ARSENIC
Waste Code:	D005
Waste Description:	BARIUM
Waste Code:	D006
Waste Description:	CADMIUM
Waste Code:	D007
Waste Description:	CHROMIUM
Waste Code:	D008
Waste Description:	LEAD

VEOLIA ES TECHNICAL SOLUTIONS LLC (Continued) **1000875352**

Waste Code:	D009
Waste Description:	MERCURY
Waste Code:	D010
Waste Description:	SELENIUM
Waste Code:	D011
Waste Description:	SILVER
Waste Code:	D012
Waste Description:	ENDRIN (1,2,3,4,10,10-HEXACHLORO-1,7-EPOXY-1,4,4A,5,6,7,8,8A-OCTAHYDRO-1,4-ENDO, ENDO-5,8-DIMETH-ANO-NAPHTHALENE)
Waste Code:	D013
Waste Description:	LINDANE (1,2,3,4,5,6-HEXA-CHLOROCYCLOHEXANE, GAMMA ISOMER)
Waste Code:	D014
Waste Description:	METHOXYCHLOR (1,1,1-TRICHLORO-2,2-BIS [P-METHOXYPHENYL] ETHANE)
Waste Code:	D015
Waste Description:	TOXAPHENE (C10 H10 CL8, TECHNICAL CHLORINATED CAMPHENE, 67-69 PERCENT CHLORINE)
Waste Code:	D016
Waste Description:	2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)
Waste Code:	D017
Waste Description:	2,4,5-TP SILVEX (2,4,5-TRICHLOROPHENOXYPROPIONIC ACID)
Waste Code:	D018
Waste Description:	BENZENE
Waste Code:	D019
Waste Description:	CARBON TETRACHLORIDE
Waste Code:	D020
Waste Description:	CHLORDANE
Waste Code:	D021
Waste Description:	CHLOROBENZENE
Waste Code:	D022
Waste Description:	CHLOROFORM
Waste Code:	D023
Waste Description:	O-CRESOL
Waste Code:	D024
Waste Description:	M-CRESOL
Waste Code:	D025
Waste Description:	P-CRESOL
Waste Code:	D026
Waste Description:	CRESOL

VEOLIA ES TECHNICAL SOLUTIONS LLC (Continued) **1000875352**

Waste Code:	D027
Waste Description:	1,4-DICHLOROBENZENE
Waste Code:	D028
Waste Description:	1,2-DICHLOROETHANE
Waste Code:	D029
Waste Description:	1,1-DICHLOROETHYLENE
Waste Code:	D030
Waste Description:	2,4-DINITROTOLUENE
Waste Code:	D031
Waste Description:	HEPTACHLOR (AND ITS EPOXIDE)
Waste Code:	D032
Waste Description:	HEXACHLOROBENZENE
Waste Code:	D033
Waste Description:	HEXACHLOROBUTADIENE
Waste Code:	D034
Waste Description:	HEXACHLOROETHANE
Waste Code:	D035
Waste Description:	METHYL ETHYL KETONE
Waste Code:	D036
Waste Description:	NITROBENZENE
Waste Code:	D037
Waste Description:	PENTACHLOROPHENOL
Waste Code:	D038
Waste Description:	PYRIDINE
Waste Code:	D039
Waste Description:	TETRACHLOROETHYLENE
Waste Code:	D040
Waste Description:	TRICHLORETHYLENE
Waste Code:	D041
Waste Description:	2,4,5-TRICHLOROPHENOL
Waste Code:	D042
Waste Description:	2,4,6-TRICHLOROPHENOL
Waste Code:	D043
Waste Description:	VINYL CHLORIDE
Waste Code:	F001
Waste Description:	THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF

VEOLIA ES TECHNICAL SOLUTIONS LLC (Continued) **1000875352**

ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F002
Waste Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F003
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F004
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F005
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F037
Waste Description: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE, BUT ARE NOT LIMITED TO, THOSE GENERATED IN OIL/WATER/SOLIDS SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORM WATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGES GENERATED IN STORM WATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE

VEOLIA ES TECHNICAL SOLUTIONS LLC (Continued) **1000875352**

BIOLOGICAL TREATMENT UNITS), AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.

Waste Code: F038
Waste Description: PETROLEUM REFINERY SECONDARY (EMULSIFIED) OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE AND/OR FLOAT GENERATED FROM THE PHYSICAL AND/OR CHEMICAL SEPARATION OF OIL/WATER/SOLIDS IN PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH WASTES INCLUDE, BUT ARE NOT LIMITED TO, ALL SLUDGES AND FLOATS GENERATED IN INDUCED AIR FLOTATION (IAF) UNITS, TANKS AND IMPOUNDMENTS, AND ALL SLUDGES GENERATED IN DAF UNITS. SLUDGES GENERATED IN STORMWATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND F037, K048, AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.

Waste Code: F039
Waste Description: LEACHATE RESULTING FROM THE TREATMENT, STORAGE, OR DISPOSAL OF WASTES CLASSIFIED BY MORE THAN ONE WASTE CODE UNDER SUBPART D, OR FROM A MIXTURE OF WASTES CLASSIFIED UNDER SUBPARTS C AND D OF THIS PART. (LEACHATE RESULTING FROM THE MANAGEMENT OF ONE OR MORE OF THE FOLLOWING EPA HAZARDOUS WASTES AND NO OTHER HAZARDOUS WASTES RETAINS ITS HAZARDOUS WASTE CODE(S): F020, F021, F022, F023, F026, F027, AND/OR F028.)

Waste Code: P001
Waste Description: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

Waste Code: P005
Waste Description: 2-PROPEN-1-OL (OR) ALLYL ALCOHOL

Waste Code: P011
Waste Description: ARSENIC OXIDE AS2O5 (OR) ARSENIC PENTOXIDE

Waste Code: P012
Waste Description: ARSENIC OXIDE AS2O3 (OR) ARSENIC TRIOXIDE

Waste Code: P022
Waste Description: CARBON DISULFIDE

Waste Code: P023
Waste Description: ACETALDEHYDE, CHLORO- (OR) CHLOROACETALDEHYDE

Waste Code: P028
Waste Description: BENZENE, (CHLOROMETHYL)- (OR) BENZYL CHLORIDE

Waste Code: P030
Waste Description: CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED

Waste Code: P042
Waste Description: 1,2-BENZENEDIOL, 4-[1-HYDROXY-2-(METHYLAMINO)ETHYL]-, (R)- (OR) EPINEPHRINE

VEOLIA ES TECHNICAL SOLUTIONS LLC (Continued) **1000875352**

Waste Code:	P051
Waste Description:	2,7:3,6-DIMETHANONAPHTH[2,3-B]OXIRENE, 3,4,5,6,9,9-HEXACHLORO-1A,2,2A,3,6,6A,7,7A-OCTAHYDRO-, (1AALPHA, 2BETA, 2ABETA, 3ALPHA, 6ALPHA, 6ABETA, 7BETA, 7AALPHA)- & METABOLITES (OR) ENDRIN (OR) ENDRIN, & METABOLITES
Waste Code:	P058
Waste Description:	ACETIC ACID, FLUORO-, SODIUM SALT (OR) FLUOROACETIC ACID, SODIUM SALT
Waste Code:	P064
Waste Description:	METHANE, ISOCYANATO- (OR) METHYL ISOCYANATE
Waste Code:	P075
Waste Description:	NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS
Waste Code:	P077
Waste Description:	BENZENAMINE, 4-NITRO- (OR) P-NITROANILINE
Waste Code:	P081
Waste Description:	1,2,3-PROPANETRIOL, TRINITRATE (R) (OR) NITROGLYCERINE (R)
Waste Code:	P087
Waste Description:	OSMIUM OXIDE OSO4, (T-4)- (OR) OSMIUM TETROXIDE
Waste Code:	P089
Waste Description:	PARATHION (OR) PHOSPHOROTHIOIC ACID, O,O-DIETHYL-O-(4-NITROPHENYL) ESTER
Waste Code:	P098
Waste Description:	POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)
Waste Code:	U001
Waste Description:	ACETALDEHYDE (I) (OR) ETHANAL (I)
Waste Code:	U002
Waste Description:	2-PROPANONE (I) (OR) ACETONE (I)
Waste Code:	U003
Waste Description:	ACETONITRILE (I,T)
Waste Code:	U012
Waste Description:	ANILINE (I,T) (OR) BENZENAMINE (I,T)
Waste Code:	U019
Waste Description:	BENZENE (I,T)
Waste Code:	U031
Waste Description:	1-BUTANOL (I) (OR) N-BUTYL ALCOHOL (I)
Waste Code:	U041
Waste Description:	EPICHLOROHYDRIN (OR) OXIRANE, (CHLOROMETHYL)-
Waste Code:	U043
Waste Description:	ETHENE, CHLORO- (OR) VINYL CHLORIDE
Waste Code:	U044

VEOLIA ES TECHNICAL SOLUTIONS LLC (Continued) **1000875352**

Waste Description: CHLOROFORM (OR) METHANE, TRICHLORO-

Waste Code: U052
Waste Description: CRESOL (CRESYLIC ACID) (OR) PHENOL, METHYL-

Waste Code: U056
Waste Description: BENZENE, HEXAHYDRO- (I) (OR) CYCLOHEXANE (I)

Waste Code: U080
Waste Description: METHANE, DICHLORO- (OR) METHYLENE CHLORIDE

Waste Code: U108
Waste Description: 1,4-DIETHYLENEOXIDE (OR) 1,4-DIOXANE

Waste Code: U112
Waste Description: ACETIC ACID, ETHYL ESTER (I) (OR) ETHYL ACETATE (I)

Waste Code: U117
Waste Description: ETHANE, 1,1'-OXYBIS-(I) (OR) ETHYL ETHER (I)

Waste Code: U121
Waste Description: METHANE, TRICHLOROFLUORO- (OR) TRICHLOROMONOFLUOROMETHANE

Waste Code: U122
Waste Description: FORMALDEHYDE

Waste Code: U129
Waste Description: CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA, 2ALPHA, 3BETA, 4ALPHA, 5ALPHA, 6BETA)- (OR) LINDANE

Waste Code: U135
Waste Description: HYDROGEN SULFIDE (OR) HYDROGEN SULFIDE H2S

Waste Code: U144
Waste Description: ACETIC ACID, LEAD(2+) SALT (OR) LEAD ACETATE

Waste Code: U154
Waste Description: METHANOL (I) (OR) METHYL ALCOHOL (I)

Waste Code: U159
Waste Description: 2-BUTANONE (I,T) (OR) METHYL ETHYL KETONE (MEK) (I,T)

Waste Code: U161
Waste Description: 4-METHYL-2-PENTANONE (I) (OR) METHYL ISOBUTYL KETONE (I) (OR) PENTANOL, 4-METHYL-

Waste Code: U165
Waste Description: NAPHTHALENE

Waste Code: U169
Waste Description: BENZENE, NITRO- (OR) NITROBENZENE (I,T)

Waste Code: U170
Waste Description: P-NITROPHENOL (I,T) (OR) PHENOL, 4-NITRO-

Waste Code: U188
Waste Description: PHENOL

VEOLIA ES TECHNICAL SOLUTIONS LLC (Continued) **1000875352**

Waste Code: U196
Waste Description: PYRIDINE

Waste Code: U202
Waste Description: 1,2-BENZISOTHIAZOL-3(2H)-ONE, 1,1-DIOXIDE, & SALTS (OR) SACCHARIN, & SALTS

Waste Code: U211
Waste Description: CARBON TETRACHLORIDE (OR) METHANE, TETRACHLORO-

Waste Code: U213
Waste Description: FURAN, TETRAHYDRO-(I) (OR) TETRAHYDROFURAN (I)

Waste Code: U220
Waste Description: BENZENE, METHYL- (OR) TOLUENE

Waste Code: U228
Waste Description: ETHENE, TRICHLORO- (OR) TRICHLOROETHYLENE

Waste Code: U239
Waste Description: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: ONYX ENVIRONMENTAL SERVICES
Legal Status: Private
Date Became Current: 16000101
Date Ended Current: Not reported
Owner/Operator Address: 1705 RTE 46 W
Owner/Operator City,State,Zip: LEDGEWOOD, NJ 07852
Owner/Operator Telephone: 973-448-2884
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: VEOLIA ES TECHNICAL SOLUTIONS LLC
Legal Status: Private
Date Became Current: 19971219
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: ONYX ENVIRONMENTAL SERVICES
Legal Status: Private
Date Became Current: 16000101
Date Ended Current: Not reported
Owner/Operator Address: 1705 RTE 46 W
Owner/Operator City,State,Zip: LEDGEWOOD, NJ 07852
Owner/Operator Telephone: 973-448-2884
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported

VEOLIA ES TECHNICAL SOLUTIONS LLC (Continued) **1000875352**

Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: TURABO INDUSTRIAL PARK
Legal Status: Private
Date Became Current: 19971219
Date Ended Current: Not reported
Owner/Operator Address: PO BOX 57
Owner/Operator City,State,Zip: CAGUAS, PR 00726
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: VEOLIA ES TECHNICAL SOLUTIONS LLC
Legal Status: Private
Date Became Current: 19971219
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: VEOLIA ES TECHNICAL SOLUTIONS LLC
Legal Status: Private
Date Became Current: 19971219
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: ONYX ENVIRONMENTAL SERVICES
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 1705 RTE 46 W
Owner/Operator City,State,Zip: LEDGEWOOD, NJ 07852
Owner/Operator Telephone: 973-448-2884
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20060809
Handler Name: VEOLIA ES TECHNICAL SOLUTIONS LLC
Federal Waste Generator Description: Small Quantity Generator
State District Owner: PR
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No

VEOLIA ES TECHNICAL SOLUTIONS LLC (Continued) **1000875352**

Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20080101
Handler Name: VEOLIA ES TECHNICAL SOLUTIONS LLC
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20170525
Handler Name: VEOLIA ES TECHNICAL SOLUTIONS LLC
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 19991026
Handler Name: ONYX ENVIRONMENTAL SERVICES
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20060810
Handler Name: VEOLIA ES TECHNICAL SOLUTIONS LLC
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported

VEOLIA ES TECHNICAL SOLUTIONS LLC (Continued) **1000875352**

Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 562112
NAICS Description: HAZARDOUS WASTE COLLECTION

Has the Facility Received Notices of Violations:
Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Transporters - Manifest System and Recordkeeping
Date Violation was Determined: 19990716
Actual Return to Compliance Date: 19991115
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19991202
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: PR
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: PRMRR
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 3000
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported

VEOLIA ES TECHNICAL SOLUTIONS LLC (Continued) **1000875352**

Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Transporters - Manifest System and Recordkeeping
Date Violation was Determined:	19990716
Actual Return to Compliance Date:	19991115
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	000
Date of Enforcement Action:	19990713
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	PR
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	PRMRR
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported

VEOLIA ES TECHNICAL SOLUTIONS LLC (Continued) **1000875352**

SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Transporters - Manifest System and Recordkeeping
Date Violation was Determined: 19990716
Actual Return to Compliance Date: 19991115
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19990716
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: PR
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: PRMRR
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported

VEOLIA ES TECHNICAL SOLUTIONS LLC (Continued) **1000875352**

Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported

VEOLIA ES TECHNICAL SOLUTIONS LLC (Continued) **1000875352**

SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Transporters - General
Date Violation was Determined: 20141007
Actual Return to Compliance Date: 20150723
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 20141007
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: IRR
Enforcement Responsible Sub-Organization: PRHWCD
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported

VEOLIA ES TECHNICAL SOLUTIONS LLC (Continued) **1000875352**

Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD IS-Contingency Plan and Emergency Procedures
Date Violation was Determined: 20130603
Actual Return to Compliance Date: 20130603
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 20130603
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: CEV
Enforcement Responsible Sub-Organization: PRHWCD
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported

VEOLIA ES TECHNICAL SOLUTIONS LLC (Continued) **1000875352**

SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Transporters - General
Date Violation was Determined: 20141007
Actual Return to Compliance Date: 20150723
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 20150723
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: IRR
Enforcement Responsible Sub-Organization: PRHWCD
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 3000
Paid Amount: Not reported
Final Count: 1
Final Amount: 3000

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported

VEOLIA ES TECHNICAL SOLUTIONS LLC (Continued) **1000875352**

Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported

VEOLIA ES TECHNICAL SOLUTIONS LLC (Continued) **1000875352**

SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported

VEOLIA ES TECHNICAL SOLUTIONS LLC (Continued) **1000875352**

Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported

VEOLIA ES TECHNICAL SOLUTIONS LLC (Continued) **1000875352**

SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - Manifest
Date Violation was Determined: 20020222
Actual Return to Compliance Date: 20020315
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Transporters - General
Date Violation was Determined: 20141007
Actual Return to Compliance Date: 20150723
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 20150327
Enforcement Responsible Agency: State

VEOLIA ES TECHNICAL SOLUTIONS LLC (Continued) **1000875352**

Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: IRR
Enforcement Responsible Sub-Organization: PRHWCD
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 5000
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported

VEOLIA ES TECHNICAL SOLUTIONS LLC (Continued) **1000875352**

SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported

VEOLIA ES TECHNICAL SOLUTIONS LLC (Continued) **1000875352**

Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:
Evaluation Date: 19990610
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE SCHEDULE EVALUATION
Evaluation Responsible Person Identifier: PRMRR
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19991115
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20080812
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: ELRD
Evaluation Responsible Sub-Organization: PRHWCD
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19990610
Evaluation Responsible Agency: State
Found Violation: Yes

VEOLIA ES TECHNICAL SOLUTIONS LLC (Continued) **1000875352**

Evaluation Type Description:	COMPLIANCE SCHEDULE EVALUATION
Evaluation Responsible Person Identifier:	PRMRR
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19991115
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19990610
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE SCHEDULE EVALUATION
Evaluation Responsible Person Identifier:	PRMRR
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19991115
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19950929
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	PREAM
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19990616
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE SCHEDULE EVALUATION
Evaluation Responsible Person Identifier:	PRMRR
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20140908
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	NON-FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	IRR
Evaluation Responsible Sub-Organization:	PRHWCD
Actual Return to Compliance Date:	20150723
Scheduled Compliance Date:	Not reported

VEOLIA ES TECHNICAL SOLUTIONS LLC (Continued) **1000875352**

Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20011101
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	ELRD
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20130220
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	CEV
Evaluation Responsible Sub-Organization:	PRHWCD
Actual Return to Compliance Date:	20130603
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20140908
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	NON-FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	IRR
Evaluation Responsible Sub-Organization:	PRHWCD
Actual Return to Compliance Date:	20150723
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20040318
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	EMRR
Evaluation Responsible Sub-Organization:	PRHWCD
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

VEOLIA ES TECHNICAL SOLUTIONS LLC (Continued) **1000875352**

Evaluation Date:	20020903
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	EMVC
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20170609
Evaluation Responsible Agency:	EPA
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R2RC
Evaluation Responsible Sub-Organization:	CEPD
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20050302
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	EMRR
Evaluation Responsible Sub-Organization:	PRHWCD
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20060328
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	EMRR
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20020215
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier:	EMFD

VEOLIA ES TECHNICAL SOLUTIONS LLC (Continued) **1000875352**

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20020315
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20140908
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	NON-FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	IRR
Evaluation Responsible Sub-Organization:	PRHWCD
Actual Return to Compliance Date:	20150723
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20141007
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	IRR
Evaluation Responsible Sub-Organization:	PRHWCD
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20001109
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	PRLMR
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20150723
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	IRR
Evaluation Responsible Sub-Organization:	PRHWCD
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

VEOLIA ES TECHNICAL SOLUTIONS LLC (Continued) **1000875352**

Request Agency:	Not reported
Former Citation:	Not reported

NJ MANIFEST:

EPA Id:	PRD987381746
Mail Address:	Not reported
Mail City/State/Zip:	Not reported
Facility Phone:	7877203500
Emergency Phone:	Not reported
Contact:	TOMAS RIVERA
Comments:	Not reported
SIC Code:	Not reported
County:	00
Municipal:	00
Previous EPA Id:	Not reported
Gen Flag:	X
Trans Flag:	X
TSDF Flag:	Not reported
Name Change:	Not reported
Date Change:	Not reported

Manifest:

Manifest Number:	007457724JJK
EPA ID:	PRD987381746
Date Shipped:	12/15/2010
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	PRD090220732
Transporter 2 EPA ID:	PRD090559360
Transporter 3 EPA ID:	NJD054126164
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	12/15/2010
Date Trans2 Transported Waste:	12/23/2010
Date Trans3 Transported Waste:	01/11/2011
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	01/11/2011
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported

VEOLIA ES TECHNICAL SOLUTIONS LLC (Continued) **1000875352**

Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: Not reported
Was Load Rejected: No
Reason Load Was Rejected: Not reported

Waste:
Manifest Year: Not reported
Waste Code: D001
Hand Code: H061
Quantity: 220 G

Manifest Year: Not reported
Waste Code: D002
Hand Code: H141
Quantity: 55 G

Manifest Year: Not reported
Waste Code: D002
Hand Code: H141
Quantity: 440 G

Manifest Year: Not reported
Waste Code: D001
Hand Code: H141
Quantity: 110 G

Manifest Year: Not reported
Waste Code: D002
Hand Code: H061
Quantity: 110 G

Manifest Year: Not reported
Waste Code: D002
Hand Code: H141
Quantity: 110 G

Manifest Year: Not reported
Waste Code: D009
Hand Code: H141
Quantity: 180 P

Manifest Number: 000282180VES
EPA ID: PRD987381746
Date Shipped: 1/25/2012
TSDF EPA ID: NJD980536593
Transporter EPA ID: PRD987381746
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 9 EPA ID: Not reported
Transporter 10 EPA ID: Not reported

VEOLIA ES TECHNICAL SOLUTIONS LLC (Continued) **1000875352**

Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	Not reported
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	D001 D002
Hand Code:	Not reported
Quantity:	6.00 Pounds

Manifest Number:	000083847VES
EPA ID:	PRD987381746
Date Shipped:	09/22/2008
TSDF EPA ID:	NJD002454544
Transporter EPA ID:	PR0000939678
Transporter 2 EPA ID:	PRD090559360
Transporter 3 EPA ID:	NJD000692061
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	09/22/2008
Date Trans2 Transported Waste:	09/30/2008
Date Trans3 Transported Waste:	10/15/2008
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported

VEOLIA ES TECHNICAL SOLUTIONS LLC (Continued) **1000875352**

Date TSDF Received Waste:	10/15/2008
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	No
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	D001
Hand Code:	H141
Quantity:	300 P

Manifest Number:	000081773VES
EPA ID:	PRD987381746
Date Shipped:	09/13/2007
TSDF EPA ID:	NJD980536593
Transporter EPA ID:	PRD987381746
Transporter 2 EPA ID:	PR0000939678
Transporter 3 EPA ID:	PRD090559360
Transporter 4 EPA ID:	NJD000692061
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	09/13/2007
Date Trans2 Transported Waste:	09/18/2007
Date Trans3 Transported Waste:	09/19/2007
Date Trans4 Transported Waste:	10/11/2007
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	10/17/2007
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported

VEOLIA ES TECHNICAL SOLUTIONS LLC (Continued) **1000875352**

Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	No
Reason Load Was Rejected:	Not reported
Manifest Number:	000003473VES
EPA ID:	PRD987381746
Date Shipped:	06/01/2009
TSDF EPA ID:	NJD980536593
Transporter EPA ID:	PR0000939678
Transporter 2 EPA ID:	PRD090559360
Transporter 3 EPA ID:	NJD071629976
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	06/05/2009
Date Trans2 Transported Waste:	06/09/2009
Date Trans3 Transported Waste:	06/25/2009
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	06/29/2009
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	No
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	D009
Hand Code:	H141
Quantity:	55 P

Manifest Number:	000003389VES
EPA ID:	PRD987381746
Date Shipped:	05/20/2009

VEOLIA ES TECHNICAL SOLUTIONS LLC (Continued) **1000875352**

TSDF EPA ID:	NJD980536593
Transporter EPA ID:	PR0000939678
Transporter 2 EPA ID:	PRD090559360
Transporter 3 EPA ID:	NJD071629976
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	05/20/2009
Date Trans2 Transported Waste:	05/21/2009
Date Trans3 Transported Waste:	06/05/2009
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	06/05/2009
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	No
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	F003
Hand Code:	H141
Quantity:	75 P
Manifest Year:	Not reported
Waste Code:	D009
Hand Code:	H141
Quantity:	35 P
Manifest Year:	Not reported
Waste Code:	D009
Hand Code:	H141
Quantity:	65 P
Manifest Number:	000952446VES
EPA ID:	PRD987381746
Date Shipped:	3/8/2018

VEOLIA ES TECHNICAL SOLUTIONS LLC (Continued) **1000875352**

TSDF EPA ID:	NJD980536593
Transporter EPA ID:	PRD987381746
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
Generator EPA Facility Name:	ENVIRONMENTAL TRANSFER CORP
Transporter-1 EPA Facility Name:	ENVIRONMENTAL TRANSFER CORP
TSDF EPA Facility Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
QTY Units:	Pounds
Transporter SEQ ID:	Not reported
Transporter-1 Date:	3/8/2018
Waste SEQ ID:	1
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	4/5/2018
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	Not reported
Reason Load Was Rejected:	Not reported
Manifest Number:	000946179VES
EPA ID:	PRD987381746
Date Shipped:	3/16/2017
TSDF EPA ID:	NJD980536593
Transporter EPA ID:	PR0000939678
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported

VEOLIA ES TECHNICAL SOLUTIONS LLC (Continued) **1000875352**

Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	Not reported
Reason Load Was Rejected:	Not reported

Manifest Number:	000281083VES
EPA ID:	PRD987381746
Date Shipped:	1/24/2012
TSDF EPA ID:	NJD980536593
Transporter EPA ID:	PRD987381746
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported

VEOLIA ES TECHNICAL SOLUTIONS LLC (Continued) **1000875352**

Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: Not reported
Was Load Rejected: Not reported
Reason Load Was Rejected: Not reported

Waste:
Manifest Year: Not reported
Waste Code: F003 D001 F005
Hand Code: Not reported
Quantity: 60.00 Pounds

Manifest Year: Not reported
Waste Code: F002
Hand Code: Not reported
Quantity: 10.00 Pounds

Manifest Year: Not reported
Waste Code: D003
Hand Code: Not reported
Quantity: 8.00 Pounds

Manifest Year: Not reported
Waste Code: D002 D008
Hand Code: Not reported
Quantity: 180.00 Pounds

Manifest Year: Not reported
Waste Code: D001 D002
Hand Code: Not reported
Quantity: 5.00 Pounds

Manifest Number: 006234875JJK
EPA ID: PRD987381746
Date Shipped: 09/03/2010
TSDF EPA ID: NJD002200046
Transporter EPA ID: PRD090220732
Transporter 2 EPA ID: PRD090559360
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 9 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 09/03/2010
Date Trans2 Transported Waste: 09/08/2010
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported

VEOLIA ES TECHNICAL SOLUTIONS LLC (Continued) **1000875352**

Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	09/22/2010
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	No
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	D002
Hand Code:	H141
Quantity:	80 P
Manifest Year:	Not reported
Waste Code:	D001
Hand Code:	H061
Quantity:	400 P
Manifest Year:	Not reported
Waste Code:	D002
Hand Code:	H141
Quantity:	60 P

Manifest Number:	000281403VES
EPA ID:	PRD987381746
Date Shipped:	2/20/2015
TSDF EPA ID:	NJD980536593
Transporter EPA ID:	PRD987381746
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported

VEOLIA ES TECHNICAL SOLUTIONS LLC (Continued) **1000875352**

Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	Not reported
Reason Load Was Rejected:	Not reported

Manifest Number:	000948503VES
EPA ID:	PRD987381746
Date Shipped:	3/3/2016
TSDF EPA ID:	NJD980536593
Transporter EPA ID:	PRD987381746
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	Not reported

VEOLIA ES TECHNICAL SOLUTIONS LLC (Continued) **1000875352**

Reason Load Was Rejected: Not reported

Manifest Number: 000083817VES
EPA ID: PRD987381746
Date Shipped: 09/22/2008
TSDF EPA ID: NJD980536593
Transporter EPA ID: PR0000939678
Transporter 2 EPA ID: PRD090559360
Transporter 3 EPA ID: NJD000692061
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 9 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 09/26/2008
Date Trans2 Transported Waste: 09/29/2008
Date Trans3 Transported Waste: 10/13/2008
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDF Received Waste: 10/13/2008
TSDF EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: Not reported
Was Load Rejected: No
Reason Load Was Rejected: Not reported

Waste:
Manifest Year: Not reported
Waste Code: D008
Hand Code: H141
Quantity: 200 P

Manifest Year: Not reported
Waste Code: D002
Hand Code: H141
Quantity: 60 P

Manifest Number: 000285277VES
EPA ID: PRD987381746
Date Shipped: 3/1/2011

VEOLIA ES TECHNICAL SOLUTIONS LLC (Continued) **1000875352**

TSDF EPA ID:	NJD980536593
Transporter EPA ID:	PRD987381746
Transporter 2 EPA ID:	PR0000939678
Transporter 3 EPA ID:	PRD090559360
Transporter 4 EPA ID:	NJD071629976
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	Not reported
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	D002
Hand Code:	H141
Quantity:	3.00 Pounds
Manifest Year:	Not reported
Waste Code:	D001
Hand Code:	H141
Quantity:	4.00 Pounds
Manifest Year:	Not reported
Waste Code:	D003
Hand Code:	H141
Quantity:	8.00 Pounds
Manifest Year:	Not reported
Waste Code:	F003
Hand Code:	H141
Quantity:	154.00 Pounds

VEOLIA ES TECHNICAL SOLUTIONS LLC (Continued) **1000875352**

Manifest Year:	Not reported
Waste Code:	F002
Hand Code:	H141
Quantity:	17.00 Pounds
Manifest Year:	Not reported
Waste Code:	D008
Hand Code:	H141
Quantity:	56.00 Pounds
Manifest Year:	Not reported
Waste Code:	D003
Hand Code:	H141
Quantity:	10.00 Pounds
Manifest Number:	000351342VES
EPA ID:	PRD987381746
Date Shipped:	09/13/2010
TSDF EPA ID:	NJD980536593
Transporter EPA ID:	PRD987381746
Transporter 2 EPA ID:	PR0000939678
Transporter 3 EPA ID:	PRD090559360
Transporter 4 EPA ID:	NJD071629976
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	09/13/2010
Date Trans2 Transported Waste:	09/16/2010
Date Trans3 Transported Waste:	09/17/2010
Date Trans4 Transported Waste:	10/04/2010
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	10/04/2010
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	No
Reason Load Was Rejected:	Not reported

VEOLIA ES TECHNICAL SOLUTIONS LLC (Continued) **1000875352**

Waste:

Manifest Year:	Not reported
Waste Code:	D002
Hand Code:	H141
Quantity:	4 P
Manifest Year:	Not reported
Waste Code:	D001
Hand Code:	H141
Quantity:	18 P
Manifest Year:	Not reported
Waste Code:	D002
Hand Code:	H141
Quantity:	8 P
Manifest Year:	Not reported
Waste Code:	D002
Hand Code:	H141
Quantity:	13 P
Manifest Year:	Not reported
Waste Code:	D001
Hand Code:	H141
Quantity:	110 P
Manifest Number:	000349632VES
EPA ID:	PRD987381746
Date Shipped:	02/19/2010
TSDF EPA ID:	NJD980536593
Transporter EPA ID:	PR0000939678
Transporter 2 EPA ID:	PRD090559360
Transporter 3 EPA ID:	NJD071629976
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	02/19/2010
Date Trans2 Transported Waste:	02/24/2010
Date Trans3 Transported Waste:	03/15/2010
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	03/15/2010
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported

VEOLIA ES TECHNICAL SOLUTIONS LLC (Continued) **1000875352**

Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	No
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	F003
Hand Code:	H141
Quantity:	60 P

Manifest Year:	Not reported
Waste Code:	D002
Hand Code:	H141
Quantity:	120 P

Manifest Number:	000281614VES
EPA ID:	PRD987381746
Date Shipped:	07/01/2009
TSDF EPA ID:	NJD980536593
Transporter EPA ID:	PRD987381746
Transporter 2 EPA ID:	PR0000939678
Transporter 3 EPA ID:	PRD090559360
Transporter 4 EPA ID:	NJD071629976
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	07/01/2009
Date Trans2 Transported Waste:	07/09/2009
Date Trans3 Transported Waste:	07/14/2009
Date Trans4 Transported Waste:	07/27/2009
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	07/27/2009
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported

VEOLIA ES TECHNICAL SOLUTIONS LLC (Continued) **1000875352**

Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: Not reported
Was Load Rejected: No
Reason Load Was Rejected: Not reported

Waste:
Manifest Year: Not reported
Waste Code: D002
Hand Code: H141
Quantity: 634 P

Manifest Year: Not reported
Waste Code: D001
Hand Code: H141
Quantity: 5 P

Manifest Year: Not reported
Waste Code: D003
Hand Code: H141
Quantity: 3 P

Manifest Year: Not reported
Waste Code: D001
Hand Code: H141
Quantity: 10 P

Manifest Year: Not reported
Waste Code: D001
Hand Code: H141
Quantity: 25 P

Manifest Year: Not reported
Waste Code: U080
Hand Code: H141
Quantity: 5 P

Manifest Year: Not reported
Waste Code: F001
Hand Code: H141
Quantity: 60 P

Manifest Year: Not reported
Waste Code: D002
Hand Code: H141
Quantity: 5 P

Manifest Number: 006234883JJK
EPA ID: PRD987381746
Date Shipped: 09/03/2010
TSDF EPA ID: NJD002200046
Transporter EPA ID: PRD090220732
Transporter 2 EPA ID: PRD090559360
Transporter 3 EPA ID: NJD054126164
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported

VEOLIA ES TECHNICAL SOLUTIONS LLC (Continued) **1000875352**

Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	09/03/2010
Date Trans2 Transported Waste:	09/08/2010
Date Trans3 Transported Waste:	09/22/2010
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	09/22/2010
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	No
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	D001
Hand Code:	H061
Quantity:	880 P

Manifest Year:	Not reported
Waste Code:	D001
Hand Code:	H061
Quantity:	440 P

Manifest Number:	000282706VES
EPA ID:	PRD987381746
Date Shipped:	10/10/2013
TSDF EPA ID:	NJD980536593
Transporter EPA ID:	PRD987381746
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported

VEOLIA ES TECHNICAL SOLUTIONS LLC (Continued) **1000875352**

Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	Not reported
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	D001
Hand Code:	Not reported
Quantity:	2,310.00 Pounds

Manifest Number:	000083547VES
EPA ID:	PRD987381746
Date Shipped:	04/08/2008
TSDF EPA ID:	NJD980536593
Transporter EPA ID:	PR0000939678
Transporter 2 EPA ID:	PRD090559360
Transporter 3 EPA ID:	NJD000692061
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	04/08/2008
Date Trans2 Transported Waste:	04/16/2008
Date Trans3 Transported Waste:	04/29/2008
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	05/01/2008

VEOLIA ES TECHNICAL SOLUTIONS LLC (Continued) **1000875352**

TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	No
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	D003
Hand Code:	H141
Quantity:	10 P
Manifest Year:	Not reported
Waste Code:	U196
Hand Code:	H141
Quantity:	60 P
Manifest Year:	Not reported
Waste Code:	D005
Hand Code:	H141
Quantity:	10 P
Manifest Year:	Not reported
Waste Code:	D002
Hand Code:	H141
Quantity:	10 P

B9 **PRAXAIR PUERTO RICO B V** **PFAS ECHO** **1027407935**
WSW **N/A**
1/8-1/4 **HUMACAO, PR**
0.181 mi.
954 ft. **Site 1 of 2 in cluster B**

Relative:
Higher

Actual:
174 ft.

PFAS ECHO:

Name:	PRAXAIR PUERTO RICO B V
Address:	Not reported
City,State,Zip:	HUMACAO, PR
Latitude:	18.254513
Longitude:	-65.975959
Count:	1
County:	HUMACAO
Status:	Inactive
Region:	02
Industry:	Industrial Gas
ECHO Facility Report:	https://echo.epa.gov/detailed-facility-report?fid=110032633443
Facility Percent Minority:	-

PRAXAIR PUERTO RICO B V (Continued) **1027407935**

Facility Derived Tribes:	-
Facility Population:	-
EPA Programs:	RCRA
Federal Facility:	No
Federal Agency:	-
Facility FIPS Code:	72069
Facility Indian Country Flag:	N
Facility Collection Method:	Zip Code Centroid
Facility Derived HUC:	-
Facility Derived WBD:	-
Facility Derived CD113:	-
Facility Derived CB2010:	-
Facility Major Flag:	-
Facility Active Flag:	-
Facility Inspection Count:	0
Facility Date Last Inspection:	-
Facility Days Last Inspection:	-
Facility Informal Count:	0
Facility Date Last Informal Action:	-
Facility Formal Action Count:	0
Facility Date Last Formal Action:	-
Facility Total Penalties:	0
Facility Penalty Count:	-
Facility Date Last Penalty:	-
Facility Last Penalty AMT:	-
Facility QTRS With NC:	0
Facility Programs With SNC:	0
Facility Compliance Status:	No Violation Identified
Facility SNC Flag:	N
AIR Flag:	N
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	Y
TRI Flag:	N
GHG Flag:	N
AIR IDS:	-
CAA Permit Types:	-
CAA NAICS:	-
CAA SICS:	-
NPDES IDS:	-
CWA Permit Types:	-
CWA NAICS:	-
CWA SICS:	-
RCRA IDS:	PRR000020297
RCRA Permit Types:	Other
RCRA NAICS:	325120
SDWA IDS:	-
SDWA System Types:	-
SDWA Compliance Status:	-
SDWA SNC Flag:	N
TRI IDS:	-
TRI Releases Transfers:	-
TRI On Site Releases:	-
TRI Off Site Transfers:	-
TRI Reporter:	-
Facility IMP Water Flag:	-
EJSCREEN Flag US:	-

PRAXAIR PUERTO RICO B V (Continued) **1027407935**

EJSCREEN Report: https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-65.975959,%22y%22:18.254513,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&unit=9035&areatype=&areaid=&basemap=streets&distance=1

B10 **AGGREGATE,INC** **US MINES** **1024719562**
WSW **N/A**
1/8-1/4 **CAROLINA (County), PR**
0.181 mi.
958 ft. **Site 2 of 2 in cluster B**

Relative: **Higher**
Actual: **177 ft.**

US MINES:

Sic Code(s):	142900
Sic Code(s):	000000
Sic Code(s):	000000
Sic Code(s):	000000
Sic Code(s):	000000
Sic Code(s):	000000
Mine ID:	5400500
Entity Name:	AGGREGATE,INC
Company:	AGGREGATE,INC
Status:	Full-Time Permanent
Status Date:	20181012
Operation Class:	2
Number of Shops:	0
Number of Plants:	0
Latitude Degree:	18
Longitude Degree:	065
Latitude Minute:	15
Latitude Seconds:	13
Longitude Minutes:	58
Longitude Seconds:	33
Number of Pits:	000

Count: 20 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
GURABO	U003431704	SANTA PAULA GURABO S/S	RD. 189, KM 4, HM 1 BO. GURABO	00778	PR UST
GURABO	S103554006	ADAN CARABALLO S/S #318	CALLE ANDRES A. RIVERA CARR 18		PR LUST
GURABO	S116437141	ESTACION GURABO	CARR 189 KM 7.3 BO RINCON		PR RGA LUST
GURABO	S116438813	SUBESTACION DE GURABO	CARR 189 KM 7.3 BO RINCON		PR RGA LUST
GURABO	S116438427	SANTA PAULA GURABO S/S	CARR 189 KM 4.1		PR RGA LUST
GURABO	1010039960	BORINQUEN METALS GURABO	CARR 189	00778	FINDS
GURABO	S106917724		CARR 933 0.1		PR LUST
GURABO	S103553914	SHELL 3611	CARR 181 KM 22.6		PR LUST
GURABO	S104228794	JUAN DELGADO BETANCOURT	CARR 189 KM 4.1		PR LUST
GURABO	S103554042	ESTACION EXPERIMENTAL AGRICOLA DE	CARR 189 KM 7.3 BO RINCON		PR LUST
GURABO	S103553763	CHEVRON USA	CARR. 2, BO. RINCON		PR LUST
GURABO	1026386019	PRAXAIR GURABO PR	PR-189 INT PR-931	00778	FINDS, ECHO
GURABO	1016459538	PRASA GURABO URBANO	PR-189 KM 5.4	00778	FINDS, ECHO
GURABO	1016691818	GURABO	PR-189 KM 6.5	00778	FINDS, ECHO
GURABO	1016686326	GIUDAD JARDIN GURABO LOS ALTOS	PR-189 KM 10.1 MAMEY WARD	00778	FINDS, ECHO
GURABO	1026727173	CARIBBEAN FLEET SOLUTIONS LLC GURA	PR-189 KM. 9.0 MAMEY WARD	00778	RCRA-SQG
GURABO	1027008205	CARIBBEAN FLEET SOLUTIONS LLC GURA	PR-189 KM. 9.0 MAMEY WARD	00778	FINDS
GURABO	1026744675	CARIBBEAN FLEET SOLUTIONS LLC GURA	PR-189 KM. 9.0 MAMEY WARD	00778	ECHO
GURABO	1023656427	REPLACEMENT OF BRIDGE NO. 982 OVER	PR-30 KM. 4.1 OVER PR-189	00778	FINDS, ECHO
GURABO	1014409438	HUMACAO ABANDONED DRUMS	PINCEL AUTO REPAIR - CARR PR 9	00778	SEMS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 05/02/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 15

Source: EPA
Telephone: N/A
Last EDR Contact: 05/02/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 05/02/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 15

Source: EPA
Telephone: N/A
Last EDR Contact: 05/02/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 05/02/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 15

Source: EPA
Telephone: N/A
Last EDR Contact: 05/02/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 12/20/2022
Date Data Arrived at EDR: 12/21/2022
Date Made Active in Reports: 03/10/2023
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 03/28/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 05/02/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 15

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 05/02/2023
Next Scheduled EDR Contact: 07/24/2023
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 05/02/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 15

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 05/02/2023
Next Scheduled EDR Contact: 07/24/2023
Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 02/08/2023
Date Data Arrived at EDR: 02/09/2023
Date Made Active in Reports: 05/02/2023
Number of Days to Update: 82

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 05/23/2023
Next Scheduled EDR Contact: 08/21/2023
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 02/20/2023
Date Data Arrived at EDR: 02/21/2023
Date Made Active in Reports: 05/02/2023
Number of Days to Update: 70

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/23/2023
Next Scheduled EDR Contact: 09/04/2023
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 02/20/2023
Date Data Arrived at EDR: 02/21/2023
Date Made Active in Reports: 05/02/2023
Number of Days to Update: 70

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/23/2023
Next Scheduled EDR Contact: 09/04/2023
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/12/2022
Date Data Arrived at EDR: 12/14/2022
Date Made Active in Reports: 12/19/2022
Number of Days to Update: 5

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 03/21/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

SHWS: This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL list.

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: Environmental Quality Board
Telephone: 787-767-8181
Last EDR Contact: 08/22/2005
Next Scheduled EDR Contact: 11/21/2005
Data Release Frequency: N/A

Lists of state and tribal leaking storage tanks

LUST: Leaking Underground Storage Tanks

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 09/24/2020
Date Data Arrived at EDR: 02/09/2021
Date Made Active in Reports: 05/04/2021
Number of Days to Update: 84

Source: Environmental Quality Board
Telephone: 787-767-8056
Last EDR Contact: 04/20/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 11/23/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 04/19/2023
Number of Days to Update: 134

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/19/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 11/26/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 10/14/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 11/23/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 05/08/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 11/23/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87
Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/14/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 11/23/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 10/14/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 02/01/2022
Number of Days to Update: 88
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 03/29/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

UST: Underground Storage Tank Facilities
Underground storage tank site locations.

Date of Government Version: 01/01/2008
Date Data Arrived at EDR: 03/26/2008
Date Made Active in Reports: 04/23/2008
Number of Days to Update: 28

Source: Environmental Quality Board
Telephone: 787-767-8056
Last EDR Contact: 04/13/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Semi-Annually

INDIAN UST R6: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 11/23/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 10/14/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/19/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 11/23/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 04/19/2023
Number of Days to Update: 134

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 10/14/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 11/23/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 11/23/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 11/23/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

Lists of state and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 07/08/2021
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 03/17/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 04/06/2023
Date Data Arrived at EDR: 04/13/2023
Date Made Active in Reports: 04/19/2023
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 04/06/2023
Next Scheduled EDR Contact: 06/26/2023
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 04/19/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Varies

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 04/12/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 04/27/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register
A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 01/06/2023
Date Data Arrived at EDR: 02/02/2023
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 8

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/23/2023
Next Scheduled EDR Contact: 09/04/2023
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 01/06/2023
Date Data Arrived at EDR: 02/02/2023
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 8

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/23/2023
Next Scheduled EDR Contact: 09/04/2023
Data Release Frequency: Quarterly

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 05/02/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 05/02/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/13/2022
Date Data Arrived at EDR: 12/14/2022
Date Made Active in Reports: 03/10/2023
Number of Days to Update: 86

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 03/21/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 02/01/2023
Date Data Arrived at EDR: 02/14/2023
Date Made Active in Reports: 05/02/2023
Number of Days to Update: 77

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 05/16/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 06/07/2021
Date Data Arrived at EDR: 07/13/2021
Date Made Active in Reports: 03/09/2022
Number of Days to Update: 239
Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 04/11/2023
Next Scheduled EDR Contact: 07/24/2023
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574
Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 04/03/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 07/30/2021
Date Data Arrived at EDR: 02/03/2023
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 7
Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 05/11/2023
Next Scheduled EDR Contact: 08/21/2023
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 12/13/2022
Date Data Arrived at EDR: 12/14/2022
Date Made Active in Reports: 03/10/2023
Number of Days to Update: 86
Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 03/21/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88
Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 05/01/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73
Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 05/04/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 06/14/2022
Date Made Active in Reports: 03/24/2023
Number of Days to Update: 283
Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/13/2023
Next Scheduled EDR Contact: 06/26/2023
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 02/16/2023
Date Made Active in Reports: 05/02/2023
Number of Days to Update: 75
Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 05/19/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 01/17/2023
Date Data Arrived at EDR: 01/18/2023
Date Made Active in Reports: 04/19/2023
Number of Days to Update: 91
Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 04/18/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 05/02/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 15
Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 05/02/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 04/27/2022
Date Data Arrived at EDR: 05/04/2022
Date Made Active in Reports: 05/10/2022
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 04/13/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 05/02/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 15

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 05/02/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 11/03/2022
Date Data Arrived at EDR: 01/04/2023
Date Made Active in Reports: 04/03/2023
Number of Days to Update: 89

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 04/04/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 03/29/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 10/26/2022
Date Data Arrived at EDR: 11/22/2022
Date Made Active in Reports: 12/05/2022
Number of Days to Update: 13
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 04/13/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/22/2022
Number of Days to Update: 84
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 03/03/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 02/27/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 05/04/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 03/23/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2022
Date Data Arrived at EDR: 01/12/2023
Date Made Active in Reports: 04/07/2023
Number of Days to Update: 85

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 04/03/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 04/06/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 07/26/2021
Date Data Arrived at EDR: 07/27/2021
Date Made Active in Reports: 10/22/2021
Number of Days to Update: 87

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 04/26/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 05/10/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 05/02/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 05/02/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/02/2023
Date Data Arrived at EDR: 02/22/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 84

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 02/22/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 02/27/2023
Date Data Arrived at EDR: 03/01/2023
Date Made Active in Reports: 03/24/2023
Number of Days to Update: 23

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 04/04/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Quarterly

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 01/07/2022
Date Data Arrived at EDR: 02/24/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 82

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 02/24/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 02/24/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 12/20/2022
Date Data Arrived at EDR: 12/20/2022
Date Made Active in Reports: 03/10/2023
Number of Days to Update: 80

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 03/16/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 02/02/2023
Date Data Arrived at EDR: 02/28/2023
Date Made Active in Reports: 03/24/2023
Number of Days to Update: 24

Source: EPA
Telephone: (212) 637-3000
Last EDR Contact: 02/28/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 11/09/2021
Date Data Arrived at EDR: 10/20/2022
Date Made Active in Reports: 01/10/2023
Number of Days to Update: 82

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 04/27/2023
Next Scheduled EDR Contact: 07/24/2023
Data Release Frequency: Varies

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 05/17/2023
Next Scheduled EDR Contact: 09/04/2023
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 01/01/2023
Date Data Arrived at EDR: 01/04/2023
Date Made Active in Reports: 04/03/2023
Number of Days to Update: 89

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 03/31/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Quarterly

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 02/13/2023
Date Data Arrived at EDR: 02/14/2023
Date Made Active in Reports: 04/19/2023
Number of Days to Update: 64

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 05/17/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Quarterly

PFAS NPL: Superfund Sites with PFAS Detections Information

EPA's Office of Land and Emergency Management and EPA Regional Offices maintain data describing what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment.

Date of Government Version: 02/23/2022
Date Data Arrived at EDR: 07/08/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 123

Source: Environmental Protection Agency
Telephone: 703-603-8895
Last EDR Contact: 04/04/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

PFAS FEDERAL SITES: Federal Sites PFAS Information

Several federal entities, such as the federal Superfund program, Department of Defense, National Aeronautics and Space Administration, Department of Transportation, and Department of Energy provided information for sites with known or suspected detections at federal facilities.

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 04/07/2023
Number of Days to Update: 8

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

PFAS TSCA: PFAS Manufacture and Imports Information

EPA issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. EPA publishes non-confidential business information (non-CBI) and includes descriptive information about each site, corporate parent, production volume, other manufacturing information, and processing and use information.

Date of Government Version: 01/03/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 222

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

PFAS RCRA MANIFEST: PFAS Transfers Identified In the RCRA Database Listing

To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: PFAS, PFOA, PFOS, PERFL, AFFF, GENX, GEN-X (plus the VT waste codes). These keywords were searched for in the following text fields: Manifest handling instructions (MANIFEST_HANDLING_INSTR), Non-hazardous waste description (NON_HAZ_WASTE_DESCRIPTION), DOT printed information (DOT_PRINTED_INFORMATION), Waste line handling instructions (WASTE_LINE_HANDLING_INSTR), Waste residue comments (WASTE_RESIDUE_COMMENTS).

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 05/02/2023
Number of Days to Update: 33

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

PFAS ATSDR: PFAS Contamination Site Location Listing

PFAS contamination site locations from the Department of Health & Human Services, Center for Disease Control & Prevention. ATSDR is involved at a number of PFAS-related sites, either directly or through assisting state and federal partners. As of now, most sites are related to drinking water contamination connected with PFAS production facilities or fire training areas where aqueous film-forming firefighting foam (AFFF) was regularly used.

Date of Government Version: 06/24/2020
Date Data Arrived at EDR: 03/17/2021
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 601

Source: Department of Health & Human Services
Telephone: 202-741-5770
Last EDR Contact: 04/20/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Varies

PFAS WQP: Ambient Environmental Sampling for PFAS

The Water Quality Portal (WQP) is a part of a modernized repository storing ambient sampling data for all environmental media and tissue samples. A wide range of federal, state, tribal and local governments, academic and non-governmental organizations and individuals submit project details and sampling results to this public repository. The information is commonly used for research and assessments of environmental quality.

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 05/02/2023
Number of Days to Update: 33
Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

PFAS NPDES: Clean Water Act Discharge Monitoring Information

Any discharger of pollutants to waters of the United States from a point source must have a National Pollutant Discharge Elimination System (NPDES) permit. The process for obtaining limits involves the regulated entity (permittee) disclosing releases in a NPDES permit application and the permitting authority (typically the state but sometimes EPA) deciding whether to require monitoring or monitoring with limits.

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 04/07/2023
Number of Days to Update: 8
Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

PFAS ECHO: Facilities in Industries that May Be Handling PFAS Listing

Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. EPA has developed a dataset from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 04/03/2023
Number of Days to Update: 4
Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

PFAS ECHO FIRE TRAINING: Facilities in Industries that May Be Handling PFAS Listing

A list of fire training sites was added to the Industry Sectors dataset using a keyword search on the permitted facilitys name to identify sites where fire-fighting foam may have been used in training exercises. Additionally, you may view an example spreadsheet of the subset of fire training facility data, as well as the keywords used in selecting or deselecting a facility for the subset. as well as the keywords used in selecting or deselecting a facility for the subset. These keywords were tested to maximize accuracy in selecting facilities that may use fire-fighting foam in training exercises, however, due to the lack of a required reporting field in the data systems for designating fire training sites, this methodology may not identify all fire training sites or may potentially misidentify them.

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 04/03/2023
Number of Days to Update: 4
Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

PFAS PART 139 AIRPORT: All Certified Part 139 Airports PFAS Information Listing

Since July 1, 2006, all certified part 139 airports are required to have fire-fighting foam onsite that meet military specifications (MIL-F-24385) (14 CFR 139.317). To date, these military specification fire-fighting foams are fluorinated and have been historically used for training and extinguishing. The 2018 FAA Reauthorization Act has a provision stating that no later than October 2021, FAA shall not require the use of fluorinated AFFF. This provision does not prohibit the use of fluorinated AFFF at Part 139 civilian airports; it only prohibits FAA from mandating its use. The Federal Aviation Administration?s document AC 150/5210-6D - Aircraft Fire Extinguishing Agents provides guidance on Aircraft Fire Extinguishing Agents, which includes Aqueous Film Forming Foam (AFFF).

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 04/03/2023
Number of Days to Update: 4
Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

AQUEOUS FOAM NRC: Aqueous Foam Related Incidents Listing

The National Response Center (NRC) serves as an emergency call center that fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. The spreadsheets posted to the NRC website contain initial incident data that has not been validated or investigated by a federal/state response agency. Response center calls from 1990 to the most recent complete calendar year where there was indication of Aqueous Film Forming Foam (AFFF) usage are included in this dataset. NRC calls may reference AFFF usage in the ?Material Involved? or ?Incident Description? fields.

Date of Government Version: 04/27/2023
Date Data Arrived at EDR: 04/27/2023
Date Made Active in Reports: 05/02/2023
Number of Days to Update: 5

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/27/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

PCS ENF: Enforcement data

No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: No Update Planned

PFAS TRIS: List of PFAS Added to the TRI

Section 7321 of the National Defense Authorization Act for Fiscal Year 2020 (NDAA) immediately added certain per- and polyfluoroalkyl substances (PFAS) to the list of chemicals covered by the Toxics Release Inventory (TRI) under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) and provided a framework for additional PFAS to be added to TRI on an annual basis.

Date of Government Version: 03/07/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/24/2023
Number of Days to Update: 17

Source: Environmental Protection Agency
Telephone: 202-566-0250
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System

Mineral Resources Data System

Date of Government Version: 08/23/2022
Date Data Arrived at EDR: 11/22/2022
Date Made Active in Reports: 02/28/2023
Number of Days to Update: 98

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 02/24/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Environmental Quality Board in Puerto Rico.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/04/2014
Number of Days to Update: 187

Source: Environmental Quality Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/18/2022
Number of Days to Update: 80

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 05/10/2022
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: Endeavor Business Media
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data
Source: Endeavor Business Media
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

GURABO STREETS
GURABO PR
GURABO, PR 00778

TARGET PROPERTY COORDINATES

Latitude (North):	18.255454 - 18° 15' 19.63''
Longitude (West):	65.972372 - 65° 58' 20.54''
Universal Tranverse Mercator:	Zone 20
UTM X (Meters):	185674.4
UTM Y (Meters):	2020882.5
Elevation:	171 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	12367409 GURABO, PR
Version Date:	2018
Southeast Map:	12367785 JUNCOS, PR
Version Date:	2018

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

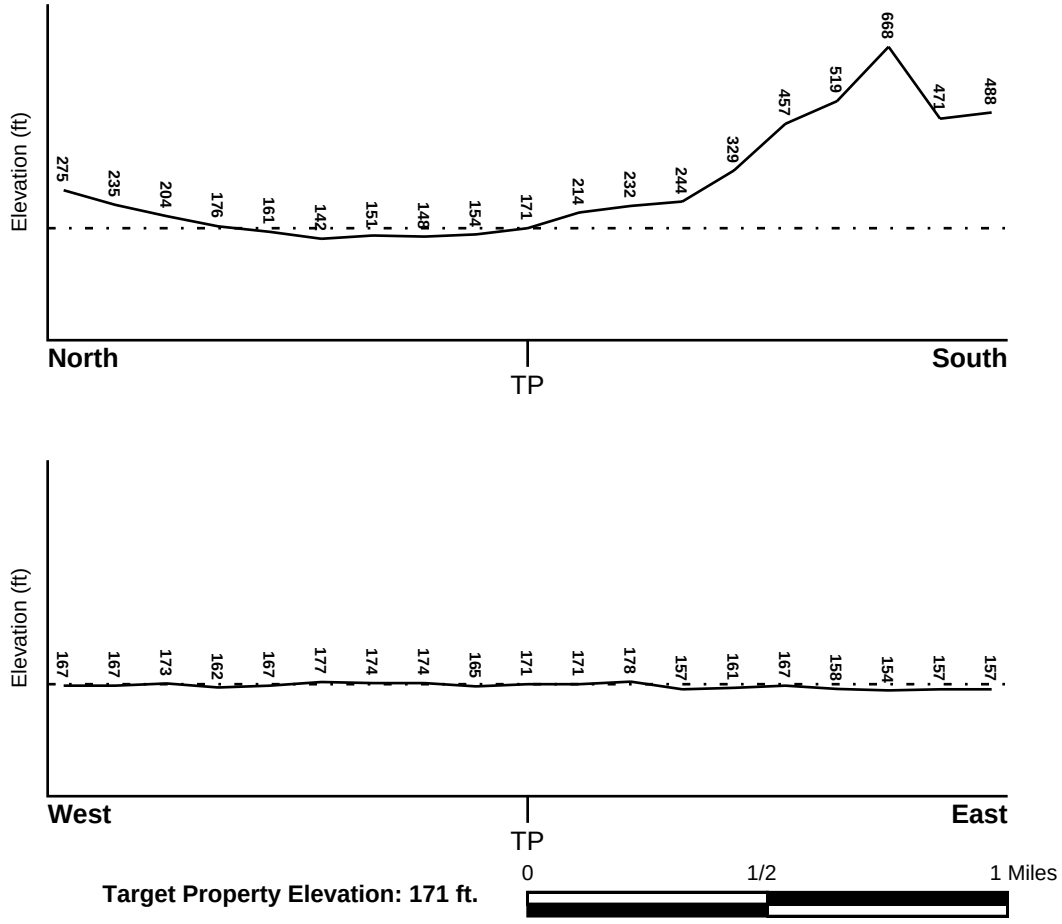
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General North

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
7200000120B	FEMA Q3 Flood data

Additional Panels in search area:	FEMA Source Type
7200000185B	FEMA Q3 Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
NOT AVAILABLE	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era: -
System: -
Series: -
Code: N/A *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: -

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: URBAN LAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class: Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 10 inches

Depth to Bedrock Max: > 10 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: loam
clay loam

Surficial Soil Types: loam
clay loam

Shallow Soil Types: No Other Soil Types

Deeper Soil Types: sandy clay loam
very gravelly - clay loam
very gravelly - clay

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
2	USGS40001044828	1/8 - 1/4 Mile SE
3	USGS40001044851	1/4 - 1/2 Mile NW
4	USGS40001044861	1/4 - 1/2 Mile NNW
5	USGS40001044857	1/4 - 1/2 Mile NW
6	USGS40001044814	1/4 - 1/2 Mile ESE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

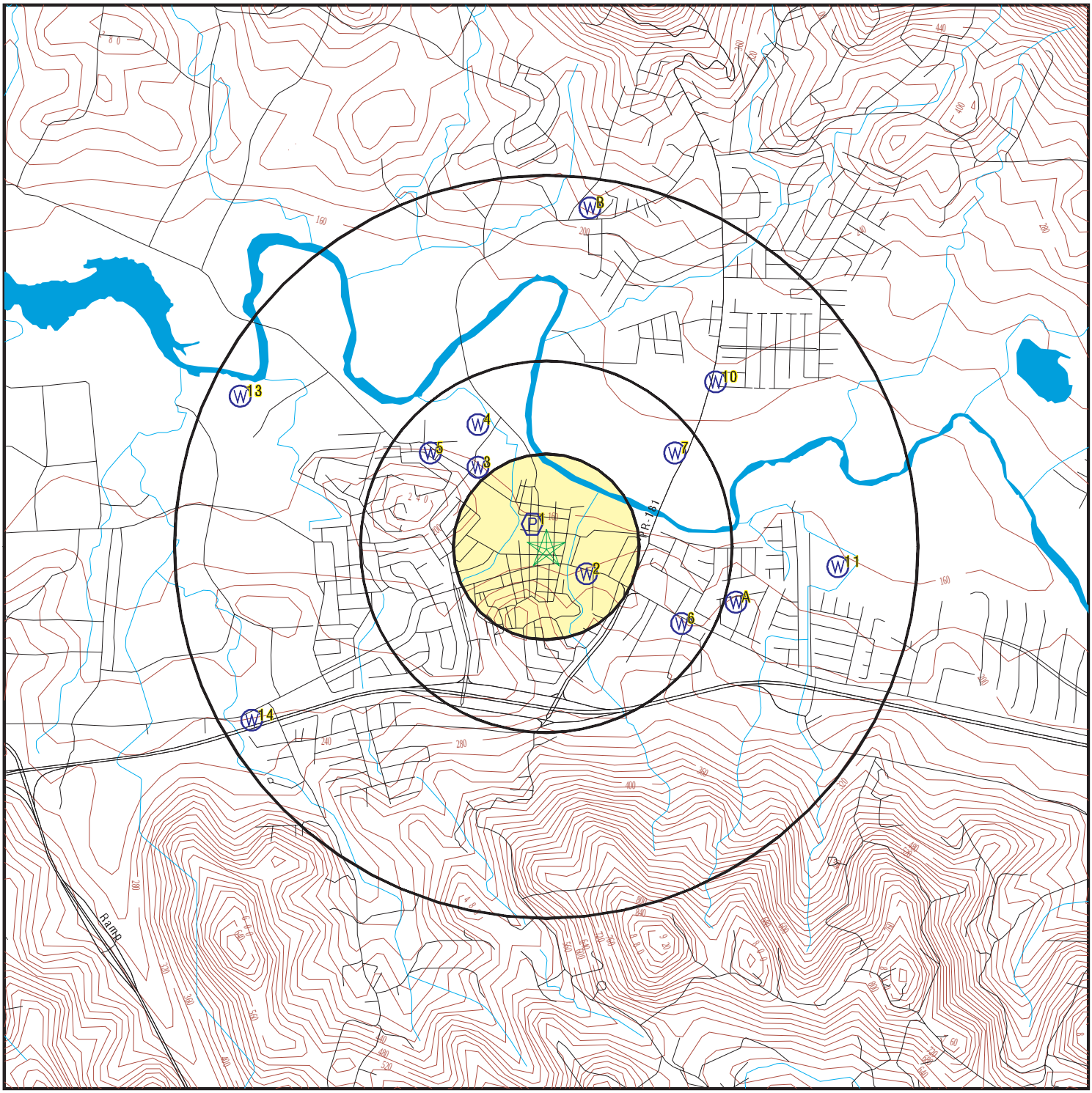
MAP ID	WELL ID	LOCATION FROM TP
7	USGS40001044856	1/4 - 1/2 Mile NE
A8	USGS40001044824	1/2 - 1 Mile ESE
A9	USGS40001044816	1/2 - 1 Mile ESE
10	USGS40001044874	1/2 - 1 Mile NE
11	USGS40001044830	1/2 - 1 Mile East
B12	USGS40001044897	1/2 - 1 Mile North
13	USGS40001044867	1/2 - 1 Mile WNW
14	USGS40001044789	1/2 - 1 Mile WSW
B15	USGS40001044899	1/2 - 1 Mile North

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	PR0633076	0 - 1/8 Mile NNW

Note: PWS System location is not always the same as well location.

PHYSICAL SETTING SOURCE MAP - 7345813.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location

SITE NAME: Gurabo Streets	CLIENT: AVA Environmental Consultants Inc.
ADDRESS: Gurabo PR Gurabo PR 00778	CONTACT: Augusto Velazquez
LAT/LONG: 18.255454 / 65.972372	INQUIRY #: 7345813.2s DATE: May 24, 2023 8:16 am

Report Prepared on June 2023

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database | EDR ID Number

1
NNW
0 - 1/8 Mile
Lower

FRDS PWS **PR0633076**

Epa region:	02	State:	PR
Pwsid:	PR0633076	Pwsname:	JANSSEN ORTHO , LLC
Cityserved:	Not Reported	Stateserved:	PR
Zipserved:	Not Reported	Fipscounty:	72063
Status:	Active	Retpopsrvd:	1000
Pwssvcconn:	147	Psource longname:	Groundwater
Pwstype:	NTNCWS	Owner:	Private
Contact:	JANSSEN ORTHO , LLC	Contactorgname:	JANSSEN ORTHO , LLC
Contactphone:	787-789-5000	Contactaddress1:	HC-02 STATE ROAD 933
Contactaddress2:	KM 0.1 MAMEY WARD	Contactcity:	GURABO
Contactstate:	PR	Contactzip:	00778
Pwsactivitycode:	A		

Pwsid:	PR0633076	Facid:	1034
Facname:	JANSSEN - ORTHO, LLC	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	disinfection
Trtprocess:	gaseous chlorination, post		
Factypecode:	TP		

PWS ID:	PR0633076	PWS type:	System Owner/Responsible Party
PWS name:	JOHNSON & JOHNSON, DC	PWS address:	ING. RAFAEL PEREZ / ANGEL NATA
PWS address:	HC 02 BOX 19251	PWS city:	GURABO
PWS state:	PR	PWS zip:	00778
PWS name:	JANSSEN ORTHO , LLC	PWS type code:	NTNC
Retail population served:	1200	Contact:	JANSSEN ORTHO , LLC
Contact address:	HC-02 STATE ROAD 933	Contact address:	KM 0.1 MAMEY WARD
Contact city:	GURABO	Contact state:	PR
Contact zip:	00778	Contact telephone:	787-789-5000

PWS ID:	PR0633076	Activity status:	Active
Date system activated:	Not Reported	Date system deactivated:	Not Reported
Retail population:	00000525	System name:	JOHNSON & JOHNSON DOC
System address:	BO. MAMEY	System address:	CARR. 933 KM. 0.1
System city:	GURABO	System state:	PR
System zip:	00778		

County FIPS:	Not Reported	City served:	GURABO

Population served:	501 - 1,000 Persons	Treatment:	Treated

Latitude:	181530	Longitude:	0655824

Violation id:	5826602	Orig code:	S
State:	PR	Violation Year:	2002
Contamination code:	3100	Contamination Name:	Coliform (TCR)
Violation code:	23	Violation name:	Monitoring, Routine Major (TCR)
Rule code:	110	Rule name:	TCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2002
Cmp edt:	01/31/2002		

Violation id:	5826702	Orig code:	S
State:	PR	Violation Year:	2002
Contamination code:	3100	Contamination Name:	Coliform (TCR)
Violation code:	23	Violation name:	Monitoring, Routine Major (TCR)

Rule code:	110	Rule name:	TCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	02/01/2002
Cmp edt:	02/28/2002		

Violation id:	61055	Orig code:	S
State:	PR	Violation Year:	2006
Contamination code:	3100	Contamination Name:	Coliform (TCR)
Violation code:	23	Violation name:	Monitoring, Routine Major (TCR)
Rule code:	110	Rule name:	TCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2006
Cmp edt:	01/31/2006		

Violation id:	9061889	Orig code:	S
State:	PR	Violation Year:	2009
Contamination code:	1040	Contamination Name:	Nitrate
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	331	Rule name:	Nitrates
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	10/01/2009
Cmp edt:	12/31/2009		

Violation id:	9061890	Orig code:	S
State:	PR	Violation Year:	2013
Contamination code:	2920	Contamination Name:	CARBON, TOTAL
Violation code:	46		
Violation name:	Treatment Technique Precursor Removal		
Rule code:	210	Rule name:	St1 DBP
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2013
Cmp edt:	03/31/2013		

Violation id:	9061891	Orig code:	S
State:	PR	Violation Year:	2013
Contamination code:	2920	Contamination Name:	CARBON, TOTAL
Violation code:	46		
Violation name:	Treatment Technique Precursor Removal		
Rule code:	210	Rule name:	St1 DBP
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	04/01/2013
Cmp edt:	06/30/2013		

PWS currently has or had major violation(s) or enforcement:Yes

Violation ID:	9419470	Violation source ID:	Not Reported
PWS telephone:	Not Reported	Contaminant:	COLIFORM (TCR)
Violation type:	Monitoring, Routine Major (TCR)		
Violation start date:	020194	Violation end date:	022894
Violation period (months):	001	Violation awareness date:	Not Reported
Major violator:	Yes	Maximum contaminant level:	Not Reported
Number of required samples:	Not Reported	Number of samples taken:	Not Reported
Analysis method:	Not Reported	Analysis result:	Not Reported

PWS currently has or had major violation(s) or enforcement:Yes

Violation ID:	9419478	Violation source ID:	Not Reported
PWS telephone:	Not Reported	Contaminant:	COLIFORM (TCR)
Violation type:	Monitoring, Routine Major (TCR)		
Violation start date:	030194	Violation end date:	033194
Violation period (months):	001	Violation awareness date:	Not Reported
Major violator:	Yes	Maximum contaminant level:	Not Reported

Number of required samples:	Not Reported	Number of samples taken:	Not Reported
Analysis method:	Not Reported	Analysis result:	Not Reported

PWS currently has or had major violation(s) or enforcement:Yes

Violation ID:	9419610	Violation source ID:	Not Reported
PWS telephone:	Not Reported	Contaminant:	COLIFORM (TCR)
Violation type:	Monitoring, Routine Major (TCR)		
Violation start date:	010194	Violation end date:	013194
Violation period (months):	001	Violation awareness date:	Not Reported
Major violator:	Yes	Maximum contaminant level:	Not Reported
Number of required samples:	Not Reported	Number of samples taken:	Not Reported
Analysis method:	Not Reported	Analysis result:	Not Reported

PWS currently has or had major violation(s) or enforcement:Yes

Violation ID:	9316663	Violation source ID:	Not Reported
PWS telephone:	8097460422	Contaminant:	COLIFORM (TCR)
Violation type:	Monitoring, Routine Major (TCR)		
Violation start date:	030193	Violation end date:	033193
Violation period (months):	001	Violation awareness date:	Not Reported
Major violator:	Yes	Maximum contaminant level:	Not Reported
Number of required samples:	Not Reported	Number of samples taken:	Not Reported
Analysis method:	Not Reported	Analysis result:	Not Reported

PWS currently has or had major violation(s) or enforcement:Yes

Violation ID:	9317749	Violation source ID:	Not Reported
PWS telephone:	Not Reported	Contaminant:	COLIFORM (TCR)
Violation type:	Monitoring, Routine Major (TCR)		
Violation start date:	090193	Violation end date:	093093
Violation period (months):	001	Violation awareness date:	Not Reported
Major violator:	Yes	Maximum contaminant level:	Not Reported
Number of required samples:	Not Reported	Number of samples taken:	Not Reported
Analysis method:	Not Reported	Analysis result:	Not Reported

PWS currently has or had major violation(s) or enforcement:Yes

Violation ID:	9318130	Violation source ID:	Not Reported
PWS telephone:	Not Reported	Contaminant:	NITRATE
Violation type:	Monitoring, Regular	Violation start date:	070193
Violation end date:	093093	Violation period (months):	003
Violation awareness date:	Not Reported	Major violator:	Yes
Maximum contaminant level:	Not Reported	Number of required samples:	000
Number of samples taken:	000	Analysis method:	Not Reported
Analysis result:	Not Reported		

Violation ID:	5826602	Orig Code:	S
Enforcemnt FY:	2002	Enforcement Action:	03/18/2002
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		

Violation ID:	5826702	Orig Code:	S
Enforcemnt FY:	2002	Enforcement Action:	04/16/2002
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		

Violation ID:	9061889	Orig Code:	S
Enforcemnt FY:	2010	Enforcement Action:	09/30/2010
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal

Violation ID:	9061889	Orig Code:	S

Enforcemnt FY:	2011	Enforcement Action:	12/31/2010
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	9061890	Orig Code:	S
Enforcemnt FY:	2012	Enforcement Action:	07/22/2012
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	9061891	Orig Code:	S
Enforcemnt FY:	2012	Enforcement Action:	07/22/2012
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
PWS name:	JANSSEN ORTHO , LLC	Population served:	1200
PWS type code:	NTNC	Violation ID:	5826602
Contaminant:	COLIFORM (TCR)	Violation type:	Monitoring, Routine Major (TCR)
Compliance start date:	1/1/2002 0:00:00	Compliance end date:	1/31/2002 0:00:00
Enforcement date:	3/18/2002 0:00:00	Enforcement action:	State Violation/Reminder Notice
Violation measurement:	Not Reported		
PWS name:	JANSSEN ORTHO , LLC	Population served:	1200
PWS type code:	NTNC	Violation ID:	5826702
Contaminant:	COLIFORM (TCR)	Violation type:	Monitoring, Routine Major (TCR)
Compliance start date:	2/1/2002 0:00:00	Compliance end date:	2/28/2002 0:00:00
Enforcement date:	4/16/2002 0:00:00	Enforcement action:	State Violation/Reminder Notice
Violation measurement:	Not Reported		
PWS name:	JANSSEN ORTHO , LLC	Population served:	1200
PWS type code:	NTNC	Violation ID:	61055
Contaminant:	COLIFORM (TCR)	Violation type:	Monitoring, Routine Major (TCR)
Compliance start date:	1/1/2006 0:00:00	Compliance end date:	1/31/2006 0:00:00
Enforcement date:	No Enf Action as of	Enforcement action:	7/8/2009 0:00:00
Violation measurement:	Not Reported		

2
SE **FED USGS** **USGS40001044828**
1/8 - 1/4 Mile
Higher

Organization ID:	USGS-PR		
Organization Name:	USGS Puerto Rico Water Science Center		
Monitor Location:	MTOR WELL, GURABO, PR	Type:	Well
Description:	Not Reported	HUC:	21010005
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	1959
Well Depth:	68	Well Depth Units:	ft
Well Hole Depth:	68	Well Hole Depth Units:	ft

3
NW **FED USGS** **USGS40001044851**
1/4 - 1/2 Mile
Lower

Organization ID:	USGS-PR		
Organization Name:	USGS Puerto Rico Water Science Center		
Monitor Location:	ANTIGUA VIA WELL, GURABO, PR		
Type:	Well	Description:	Not Reported
HUC:	21010005	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported

Contrib Drainage Area Unts:	Not Reported	Aquifer:	Not Reported
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

4
NNW **FED USGS** **USGS40001044861**
1/4 - 1/2 Mile
Lower

Organization ID:	USGS-PR		
Organization Name:	USGS Puerto Rico Water Science Center		
Monitor Location:	ODAV WELL, GURABO, PR	Type:	Well
Description:	Not Reported	HUC:	21010005
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	1955
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	63	Well Hole Depth Units:	ft

5
NW **FED USGS** **USGS40001044857**
1/4 - 1/2 Mile
Lower

Organization ID:	USGS-PR		
Organization Name:	USGS Puerto Rico Water Science Center		
Monitor Location:	CAR WELL, GURABO, PR	Type:	Well
Description:	Not Reported	HUC:	21010005
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	1957
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	52	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	1	Level reading date:	1961-06-01
Feet below surface:	23.38	Feet to sea level:	Not Reported
Note:	The site had been pumped recently.		

6
ESE **FED USGS** **USGS40001044814**
1/4 - 1/2 Mile
Higher

Organization ID:	USGS-PR		
Organization Name:	USGS Puerto Rico Water Science Center		
Monitor Location:	LOPEZ WELL, GURABO, PR	Type:	Well
Description:	Not Reported	HUC:	21010005
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	1954
Well Depth:	Not Reported	Well Depth Units:	Not Reported

Well Hole Depth:	70	Well Hole Depth Units:	ft

7
NE
1/4 - 1/2 Mile
Lower

FED USGS **USGS40001044856**

Organization ID:	USGS-PR		
Organization Name:	USGS Puerto Rico Water Science Center		
Monitor Location:	PIEZOMETER CAGUAS-JUNCOS 18, GURABO, PR		
Type:	Well		
Description:	GW LEVELS HOURLY REC/W HWY 181 0.2 MILES N RIO-GUR		
HUC:	21010005	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	Not Reported
Formation Type:	Not Reported	Aquifer Type:	Unconfined single aquifer
Construction Date:	Not Reported	Well Depth:	65
Well Depth Units:	ft	Well Hole Depth:	70
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	46	Level reading date:	2002-06-19
Feet below surface:	11.99	Feet to sea level:	Not Reported
Note:	Not Reported		

Level reading date:	2002-05-09	Feet below surface:	10.65
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	2002-03-12	Feet below surface:	13.05
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	2002-02-08	Feet below surface:	12.43
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	2002-01-02	Feet below surface:	11.08
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	2001-12-12	Feet below surface:	11.65
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	2001-10-11	Feet below surface:	12.27
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		

Level reading date:	2001-09-20	Feet below surface:	11.93
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		

Level reading date:	2001-08-21	Feet below surface:	13.62
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	2001-06-27	Feet below surface:	13.55
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		

Level reading date:	2001-05-29	Feet below surface:	15.51
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		

Level reading date:	2001-04-19	Feet below surface:	15.92

Feet to sea level: Not Reported
Note: Other conditions existed that would affect the measured water level.

Level reading date: 2001-02-16 Feet below surface: 15.54
Feet to sea level: Not Reported
Note: Other conditions existed that would affect the measured water level.

Level reading date: 2001-01-10 Feet below surface: 15.23
Feet to sea level: Not Reported
Note: Other conditions existed that would affect the measured water level.

Level reading date: 2000-12-18 Feet below surface: 14.83
Feet to sea level: Not Reported Note: Not Reported

Level reading date: 2000-11-06 Feet below surface: 13.24
Feet to sea level: Not Reported Note: Not Reported

Level reading date: 2000-09-14 Feet below surface: 14.67
Feet to sea level: Not Reported Note: Not Reported

Level reading date: 2000-08-11 Feet below surface: 16.08
Feet to sea level: Not Reported
Note: Other conditions existed that would affect the measured water level.

Level reading date: 2000-07-13 Feet below surface: 15.92
Feet to sea level: Not Reported
Note: Other conditions existed that would affect the measured water level.

Level reading date: 2000-06-09 Feet below surface: 14.47
Feet to sea level: Not Reported
Note: Other conditions existed that would affect the measured water level.

Level reading date: 2000-05-12 Feet below surface: 15.69
Feet to sea level: Not Reported
Note: Other conditions existed that would affect the measured water level.

Level reading date: 2000-04-11 Feet below surface: 15.54
Feet to sea level: Not Reported
Note: Other conditions existed that would affect the measured water level.

Level reading date: 2000-03-15 Feet below surface: 16.27
Feet to sea level: Not Reported
Note: Other conditions existed that would affect the measured water level.

Level reading date: 2000-02-14 Feet below surface: 14.86
Feet to sea level: Not Reported
Note: Other conditions existed that would affect the measured water level.

Level reading date: 2000-01-21 Feet below surface: 14.02
Feet to sea level: Not Reported
Note: Other conditions existed that would affect the measured water level.

Level reading date: 1999-12-15 Feet below surface: 12.11
Feet to sea level: Not Reported Note: Not Reported

Level reading date: 1999-11-18 Feet below surface: 11.18
Feet to sea level: Not Reported
Note: Other conditions existed that would affect the measured water level.

Level reading date: 1999-09-17 Feet below surface: 15.00
Feet to sea level: Not Reported
Note: Other conditions existed that would affect the measured water level.

Level reading date:	1999-08-12	Feet below surface:	14.89
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		

Level reading date:	1999-07-13	Feet below surface:	14.58
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		

Level reading date:	1999-06-10	Feet below surface:	15.80
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		

Level reading date:	1999-05-11	Feet below surface:	15.83
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		

Level reading date:	1999-04-14	Feet below surface:	15.17
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		

Level reading date:	1999-03-12	Feet below surface:	14.82
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		

Level reading date:	1999-02-11	Feet below surface:	14.82
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		

Level reading date:	1999-01-22	Feet below surface:	13.36
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		

Level reading date:	1998-12-03	Feet below surface:	11.30
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		

Level reading date:	1998-11-19	Feet below surface:	12.19
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		

Level reading date:	1998-10-14	Feet below surface:	12.97
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		

Level reading date:	1998-10-08	Feet below surface:	12.39
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		

Level reading date:	1998-06-15	Feet below surface:	14.80
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		

Level reading date:	1998-03-24	Feet below surface:	15.46
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		

Level reading date:	1998-02-20	Feet below surface:	14.47
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1998-02-19	Feet below surface:	14.39
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		

Level reading date:	1997-10-29	Feet below surface:	13.57
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1997-06-23	Feet below surface:	15.77
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		

A8
ESE
1/2 - 1 Mile
Higher

FED USGS **USGS40001044824**

Organization ID:	USGS-PR		
Organization Name:	USGS Puerto Rico Water Science Center		
Monitor Location:	GONZALEZ WELL, GURABO, PR	Type:	Well
Description:	Not Reported	HUC:	21010005
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	1962
Well Depth:	80	Well Depth Units:	ft
Well Hole Depth:	80	Well Hole Depth Units:	ft

A9
ESE
1/2 - 1 Mile
Higher

FED USGS **USGS40001044816**

Organization ID:	USGS-PR		
Organization Name:	USGS Puerto Rico Water Science Center		
Monitor Location:	MAMEY WELL, GURABO, PR	Type:	Well
Description:	Not Reported	HUC:	21010005
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

---

10
NE
1/2 - 1 Mile
Higher

FED USGS **USGS40001044874**

Organization ID:	USGS-PR		
Organization Name:	USGS Puerto Rico Water Science Center		
Monitor Location:	BUENA VISTA WELL, GURABO, PR		
Type:	Well	Description:	Not Reported
HUC:	21010005	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	Not Reported
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	1939	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	180
Well Hole Depth Units:	ft		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

11
East
1/2 - 1 Mile
Lower

FED USGS **USGS40001044830**

Organization ID:	USGS-PR		
Organization Name:	USGS Puerto Rico Water Science Center		
Monitor Location:	PJMOR WELL, GURABO, PR	Type:	Well
Description:	CAGUAS JUNCOS VALLEY PROJECT		
HUC:	21010005	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	Not Reported
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	1954	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	43
Well Hole Depth Units:	ft		

B12
North
1/2 - 1 Mile
Higher

FED USGS **USGS40001044897**

Organization ID:	USGS-PR		
Organization Name:	USGS Puerto Rico Water Science Center		
Monitor Location:	FOTE WELL, GURABO, PR	Type:	Well
Description:	Not Reported	HUC:	21010005
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

---

13
WNW
1/2 - 1 Mile
Lower

FED USGS **USGS40001044867**

Organization ID:	USGS-PR		
Organization Name:	USGS Puerto Rico Water Science Center		
Monitor Location:	EEA GURABO 3 WELL, GURABO, PR		
Type:	Well	Description:	Not Reported
HUC:	21010005	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	Not Reported
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	1943	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	140
Well Hole Depth Units:	ft		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
14 **WSW** **1/2 - 1 Mile** **Higher**	**FED USGS**	**USGS40001044789**

Organization ID:	USGS-PR		
Organization Name:	USGS Puerto Rico Water Science Center		
Monitor Location:	MSOL WELL, GURABO, PR	Type:	Well
Description:	DF	HUC:	21010005
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

---

B15 **North** **1/2 - 1 Mile** **Higher**	**FED USGS**	**USGS40001044899**

Organization ID:	USGS-PR		
Organization Name:	USGS Puerto Rico Water Science Center		
Monitor Location:	CELADA 4 WELL, GURABO, PR	Type:	Well
Description:	Not Reported	HUC:	21010005
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

OTHER STATE DATABASE INFORMATION

RADON

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

STREET AND ADDRESS INFORMATION

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GOBIERNO DE PUERTO RICO
DEPARTAMENTO DE RECURSOS NATURALES Y AMBIENTALES

31 de mayo de 2023

VÍA CORREO ELECTRÓNICO: avaenvironmental@gmail.com

Ing. Annette M. Fernández Rosario, *PE*
AVA Environmental Consultants
PO Box 361300
San Juan, PR 00936-1300

Estimada ingeniera Fernández:

El 31 de mayo de 2023 se recibió una carta Fase 1 por correo electrónico, en la cual usted solicita información sobre los incidentes ambientales que hubiesen ocurrido en o cerca del lugar que se menciona a continuación:

Facilidad: Rehabilitación de la Plaza de los Próceres de Gurabo y remodelación de las aceras alrededor, PR-189, Calle Juan R. Quiñones, Calle Lago, Calle Matías González, PR-943 (Calle Santiago), Calle Eugenio Sánchez López, Calle San José y Calle Ángel C. Morales en Gurabo, Puerto Rico

En respuesta a su solicitud, el Área de Respuesta a Emergencias Ambientales y Superfondo ha revisado los expedientes encontrados en nuestro archivo físico y en nuestro sistema mecanizado de datos tanto de emergencias ambientales como de Lugares Superfondo activos en la Lista Nacional de Prioridades de la Agencia Federal de Protección Ambiental (*USEPA*, por sus siglas en inglés). De la revisión realizada, tengo a bien informarle que no obra información de casos que hayan impactado adversamente al ambiente relacionados a una emergencia ambiental, escapes de sustancias peligrosas o derrames en las inmediaciones o cerca del lugar antes mencionado. Tampoco, existe un Lugar Superfondo registrado o propuesto dentro del radio de una milla del lugar concerniente.

Esperamos que esta información le sea de utilidad. De tener alguna duda o pregunta se puede comunicar con Amarilis Rodríguez Méndez, Oficial de Inspección y Cumplimiento Ambiental, Área de Respuesta a Emergencias Ambientales y Superfondo, al (787) 999-2200 extensión 5930 o por vía de correo electrónico a: amarilisrodriguez@drna.pr.gov.

Cordialmente,

Edwin Malavet Santiago, Gerente
Área de Respuesta a Emergencias Ambientales
y Superfondo

ARM

Gmail **Annette M. Fernandez <avaenvironmental@gmail.com>**

Solicitud información Fase 1 - (varios proyectos en Gurabo y Santurce)

Pedro Guevara Lopez <pedroguevara@drna.pr.gov> Wed, Jun 14, 2023 at 11:22 AM
To: "Annette M. Fernandez" <avaenvironmental@gmail.com>
Cc: Luz E Nieves Rodriguez <luznieves@drna.pr.gov>

Ing. Annette M. Fernandez Rosario

AVA Environmental Consultants

Asunto: **Gurabo Plaza & Sidewalks**

Gurabo Barrio Escaleras

Cangrejos Development, Santurce

Saludos,

El 31 de mayo de 2023 nos cursó al Área de Contaminación de Terrenos del DRNA una consulta sobre si a un radio de .5 millas de distancia de los lugares de referencia existe o había existido algún vertedero o algún Sistema de Relleno Sanitario (SRS) para el manejo de los desperdicios sólidos. Luego de revisar nuestros expedientes electrónicos sobre la ubicación de SRS en operación y en cierre no hemos encontrado algún registro sobre la ubicación de este tipo de instalaciones en el lugar indicado, ni tampoco en su periferia a 800 metros de distancia. Esperamos que esta información le sea útil para su investigación ambiental. De tener alguna inquietud sobre este asunto, no dude en comunicarse con nosotros.

Cordialmente,

Pedro F. Guevara López
Jefe Interino, División de Permisos Desperdicios No Peligrosos
Área Contaminación de Terrenos
T. (787) 999-2200 Ext. 6217 | **E.** pedroguevara@drna.pr.gov

Exhibit 6b: Asbestos and Lead Survey

ASBESTOS-CONTAINING MATERIALS SURVEY

PLAZA PÚBLICA GURABO Y

MEJORAS ACERAS Y CALLES COLINDANTES

Calle Santiago (N), Gurabo, Puerto Rico 00778



Inspection Date: May 10 & 11, 2023

Prepared for: BR&A, LLC

Prepared by: Nortol Environmental & Occupational Safety, Inc.

Inspector:

Ramón Alejandro
Asbestos Inspector
ASB-1122-0451-SI

nortol.
Environmental & Occupational Safety, Inc. Est. 2002

NORTOL *has performed this survey in a thorough and professional manner consistent with commonly accepted industry standards.*

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Table of Contents

Acronyms 3

Introduction 4

Asbestos Survey Report 4

- Survey Protocol
- Sampling Procedures
- Regulatory Review
- Survey Areas – Extent of Survey Coverage
- Findings

Conclusion 7

Attachment 1 – Inspector's Credential

Attachment 2 – Representative Pictures\Photograph Log

Attachment 3 – Certification for Non-Presence Asbestos (PGC-009)

Acronyms

A/C	=	Air Conditioning
ACM	=	Asbestos-containing Material
ACBM	=	Asbestos-containing Building Material
AHERA	=	Asbestos Hazard Emergency Response Act
ASHARA	=	Asbestos School Hazard Abatement and Reauthorization Act
CFR	=	Code of Federal Regulations
CPSC	=	Consumer Product Safety Commission
EPA	=	Environmental Protection Agency
Ft2	=	square feet
HA	=	Homogeneous Area
HUD	=	Department of Housing and Urban Development
LF	=	Linear Feet
mg/cm2	=	milligrams per square centimeter
NESHAP'S	=	National Emission Standards for Hazardous Air Pollutants
NIOSH	=	National Institute for Occupational Safety and Health
OSHA	=	Occupational Safety and Health Administration
PLM	=	Polarized Light Microscopy
PRDOH	=	Puerto Rico Department of Housing
PRDNER	=	Puerto Rico Department of Natural and Environmental Resources
SACM	=	Suspect ACM
SOW	=	Scope of Work
TSI	=	Thermal System Insulation
VFT	=	Vinyl floor tiles

I. INTRODUCTION

As part of the environmental due diligence, this survey is intended to assess the general presence, quantity, and location of suspected asbestos-containing materials (SACM) at *Plaza Pública Gurabo y Mejoras Aceras y Calles Colindantes* located at Calle Santiago (N), Gurabo, P.R.

The SACM survey was conducted on May 10 & 11, 2023, by Mr. Ramón Alejandro (ACM inspector num. ASB-1122-0451-SI) from Nortol. Inspector's credential(s) is included in **Attachment 1.** Nortol's survey areas and report are limited to the details provided in Section II part D.

Nortol did not identify suspect materials within the reference SOW, hence no bulk samples were collected nor sent to the laboratory for analysis. In addition, no suspect material was observed during the visual assessment that needed to be assumed as ACM.

There is concrete, metal, and wood structural components. The floors have terrazzo tiles, are painted or are bare concrete.

II. ASBESTOS SURVEY REPORT

A. Survey Protocol:

This activity was conducted following the latest protocol for assessing materials suspected of containing asbestos as defined by the U.S. Environmental Protection Agency (EPA). It involved a visual walk-through inspection of the accessible areas of the building to develop an inventory of suspect ACM homogeneous materials. During the sampling activities, suspected ACM was touched and observed by the inspector to determine its friability and physical condition. A friable material is defined as a material that when dry, can be crumbled, or reduced to powder by hand pressure. The friability of a material causally relates to the potential of the asbestos fibers to be released. The inspector assessed the suspect ACM according to their physical condition and potential damage.

B. Sampling Procedure:

The technique used for sampling the suspected accessible materials is designed to minimize fiber release and in turn possible contamination of surrounding areas. When apply, representative suspected material samples are collected in accordance with the EPA's AHERA/ASHARA guidelines and procedures presented in the *Guide for Controlling Asbestos Containing Materials in Building (EPA 560-6-85-024, June 1985)* and characterized following the *National Emission Standard for Hazardous Air Pollution (NESHAP)*, subpart M-Asbestos, 40 CFR Part 61-Standard for

Demolition and Renovation. Samples of the homogeneous accessible materials are collected in quantities enough to determine asbestos content, and then placed in airtight bags. The bagged samples are properly collected, labeled, and identified. A Chain of Custody form is completed for collected bulk samples which are analyzed by an independent laboratory using the Polarized Light Microscopy (PLM) method. The laboratory utilizes dispersion staining techniques according to US EPA method 600/M4-82-020 incorporating visual estimates of identified material percentages.

C. Regulatory Review:

According to NESHAP's standards (40 CFR 61.141), Asbestos Containing Building Materials are classified into three categories: Category I - Nonfriable asbestos-containing material (ACM), Category II – other Nonfriable ACM, and Regulated asbestos-containing material (RACM). ACMs are classified into three categories according to EPA-AHERA/ASHARA's standards (40 CFR Part 763): Surfacing material, Thermal System Insulation (TSI) and Miscellaneous material.

Once the inspector has identified the ACM in a building, he or she must perform a physical assessment of TSI and friable material. Under § 763.88 of the AHERA Rule, the physical assessment of ACBM involve classifying the material into one of the following seven Categories: Damaged or significantly damaged TSI ACM; Damaged friable surfacing ACM; Significantly damaged friable surfacing ACM; Damaged or significantly damaged friable miscellaneous ACM; ACBM with potential for damage; ACBM with potential for significant damage; and Any remaining friable ACBM or friable suspected ACBM.

The PRDNER- former Environmental Quality Board (Regulation for the Control of Atmospheric Pollution-Rule 422) enacted in 1995, required all commercial and public building, including industries to identify asbestos containing building materials in their structures and take appropriate actions to control the release of asbestos fiber. Asbestos inspection is part of the permitting application process for any future project in the buildings which may include renovation or demolition activities regulated by the PR State/Municipal Offices. To obtain demolition permits in Puerto Rico is necessary to include a certification (OGP-PGC-009 or equivalent) stating that there is no asbestos containing material in the project.

D. Survey Areas – Extent of Survey Coverage:

The survey included a detailed structure inspection providing a general sense of the overall location, type, quantity, and condition of potential ACMs present. The survey was thorough in the interior or exterior accessible functional spaces, and bulk samples (if applied) are taken from the observed suspect materials. The presence of asbestos in suspect materials (if applied) is assumed or presumed in some cases without bulk samples being collected or analyzed (when

applicable). This is necessary for locations where materials are inaccessible or areas that are unsafe to access (e.g., elevated heights, energized equipment, confined spaces, etc.). For those areas that were not safely accessible, suspect materials observed or presumed to be present (if applied) were documented and assumed as ACMs. The survey did not include destructive, intrusive and/or exploratory testing.

Areas Not Included in Survey and Service Constraints: All professional opinions presented in this report are based on information made available either by review of data provided by others or data gathered by Nortol personnel. Nortol affirms that data gathered and presented by Nortol in this report was collected in an appropriate manner in accordance with accepted methods and practices. Any energized utilities/services, including electricity, water and heat were assumed to be active. Materials associated with these items were determined to not be safely accessible and were not sampled. Suspect ACMs associated with these items should be assumed ACM until the systems can be de-energized and safely sampled. The survey did not include access or inspection of confined spaces or subsurface/underground areas including piping, conduits, building footings and soils (surficial or otherwise).

E. Findings

Nortol did not identify SACM at the reference project, therefore no bulk samples were collected and/or sent to the laboratory for analysis. In addition, no suspect material was observed during the visual assessment that needed to be assumed as ACM.

Representative Pictures\Photograph Log of the project are provided in **Attachment 2** including General Site Plan with SOW. Certification for non-presence of asbestos is provided in **Attachment 3**.

III. CONCLUSION

ACM survey was conducted for the project identified with the header ID. Nortol did not identify SACM at the referenced structure, hence no bulk samples were collected and/or sent to the laboratory for analysis. In addition, no suspect material was observed during the visual assessment that needed to be assumed as ACM.

Any conditions or materials that could not be visually identified or were out-of-the SOW, were not inspected and may differ from those conditions or materials noted. It was not within the scope of the activity to remove surface materials to investigate portions of the structure or materials that may lay beneath the surface. Nortol's selection of sample locations and frequency of sampling was based on Nortol's observations and the assumption that similar materials in the same area are homogeneous in content.

The report is designed to aid the building owner, architect, construction manager, general contractors, and potential asbestos or lead abatement contractors in locating ACM. Under no circumstances is the report to be utilized solely as a bidding document or as a project specification document.

Attachment 1

Inspector's Credential



RAMÓN ALEJANDRO
Puerto Rico
Asbestos Inspector



TARJETA DE REGISTRO
PARA LA REMOCION DE ASBESTO

Esta tarjeta autoriza a:

Ramón E. Alejandro Andaluz

Inspector

A trabajar en la remoción de asbesto en P.R. Esta persona **NO** es un empleado del DRNA.

ASB-1122-0451-SI
Número de Registro

9-nov-2023
Fecha de vencimiento

Firma Autorizada - Departamento Recursos Naturales y Ambientales

www.nortolpr.com | info@nortolpr.com | 787.420.0220
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Attachment 2

Representative Pictures\Photograph Log

Ramón E. Alejandro Andaluz
NORTOL. Environmental & Occupational Safety, Inc.

PLAZA PÚBLICA GURABO Y MEJORAS A SUS ACERAS COLINDANTES - **ACM SURVEY PHOTO LOG**

Year of construction not available at the moment of inspection.

Wednesday, May 10 & 11, 2023

Prepared For BR&A, LLC

Calle Santiago (N), Gurabo, Puerto Rico 00778

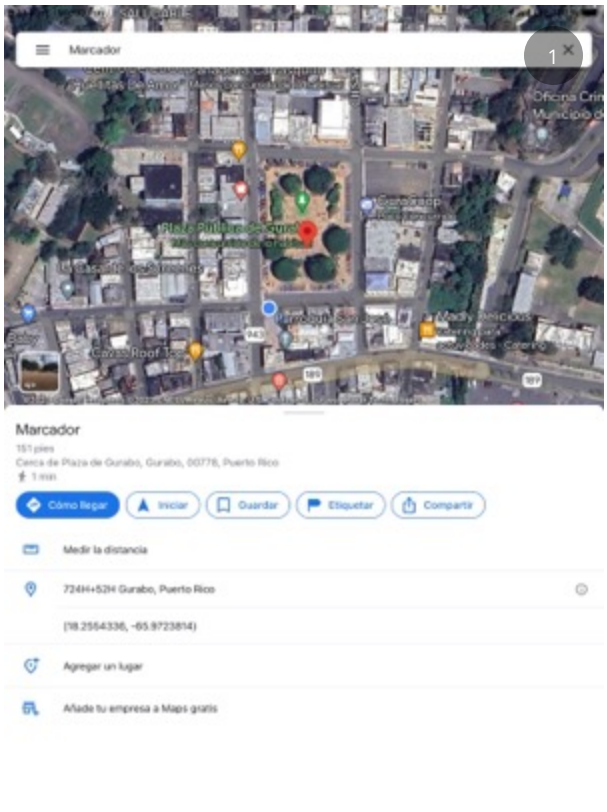


FRONT VIEW:

(18.2554336, -65.9723814)

COORDINATES:

(18.2554336, -65.9723814)





1

SCOPE OF WORK:

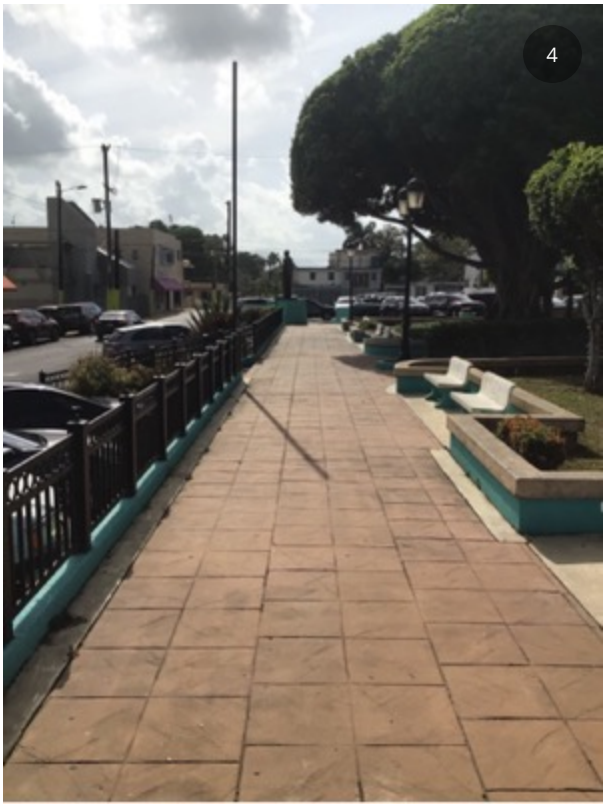
Full inspection A/L.

GENERAL VIEWS: PUBLIC PLAZA






3


4


5


6





GENERAL VIEWS: STREETS






3


4


5


6

GENERAL VIEWS:





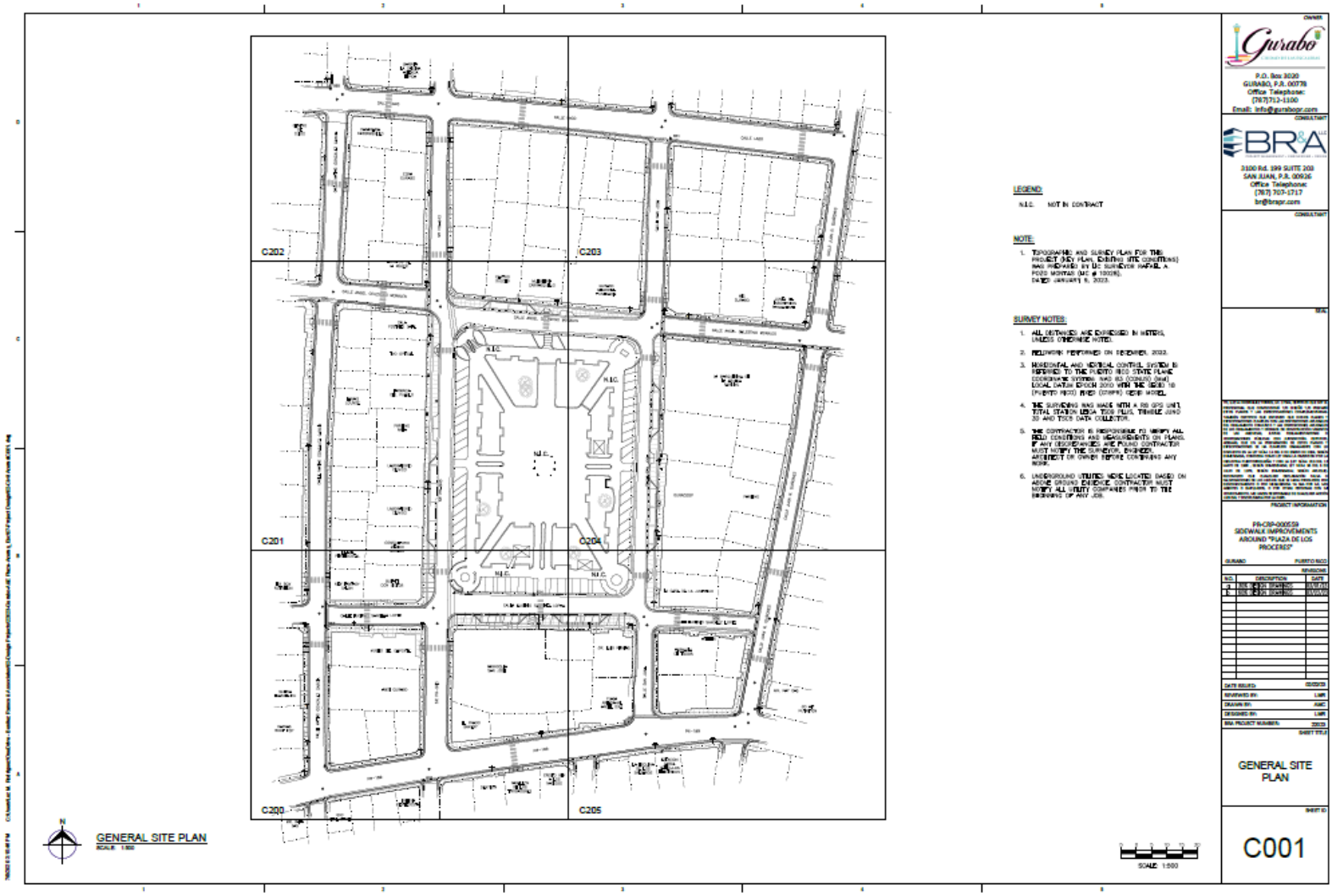
GENERAL VIEWS:





SACM VISIBLE?

No SACM visible at the moment of the inspection.



Attachment 3

Certification for Non-Presence Asbestos (PGC-009)



CERTIFICACION DE NO PRESENCIA DE ASBESTO EN ESTRUCTURAS A DEMOLERSE

(Deberá completarse en letra de molde o impresa)

SUBMITTED AS SEPARATE DOCUMENT



www.nortolpr.com | info@nortolpr.com | 787.420.0220
PO Box 366457, San Juan, PR 00936-6457

LEAD-BASED PAINT SURVEY

PLAZA PÚBLICA GURABO Y
MEJORAS ACERAS Y CALLES COLINDANTES

Calle Santiago (N), Gurabo, Puerto Rico 00778



Inspection Date: May 10 & 11, 2023

Prepared for: BR&A, LLC

Prepared by: Nortol Environmental & Occupational Safety, Inc.

Inspector:

_____

Ramón Alejandro
Lead Inspector
LBP I.D. # LBPI-23622-250

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Environmental & Occupational Safety, Inc. Est. 2002

NORTOL *has performed this survey in a thorough and professional manner consistent with commonly accepted industry standards.*

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Table of Contents

Acronyms 3

Introduction 4

Lead Based Paint Survey Report 4

- Lead Based Paint Findings
- Survey Protocol and Sampling Procedures
- LBP Background and Regulatory review

Conclusion 8

Table 1.0 5

Attachment 1 – Company Credentials

Attachment 2 – Inspector's Credentials

Attachment 3 – Positive LBP XRF Tabulated Readings

Attachment 4 – LBP XRF Tabulated Readings

Attachment 5 – LBP Diagram

Attachment 6 – Representative Pictures\Photograph Log

Attachment 7 – XRF Performance Characteristic Sheet

Acronyms

A/C	=	Air Conditioning
CFR	=	Code of Federal Regulations
CPSC	=	Consumer Product Safety Commission
EPA	=	Environmental Protection Agency
Ft2	=	square feet
HA	=	Homogeneous Area
HUD	=	Department of Housing and Urban Development
LBP	=	Lead-based Paint
LF	=	Linear Feet
mg/cm2	=	milligrams per square centimeter
NESHAP'S	=	National Emission Standards for Hazardous Air Pollutants
NIOSH	=	National Institute for Occupational Safety and Health
OSHA	=	Occupational Safety and Health Administration
PRDOH	=	Puerto Rico Department of Housing
PRDNER	=	Puerto Rico Department of Natural and Environmental Resources
SOW	=	Scope of Work
XRF	=	X-Ray Fluorescent

I. INTRODUCTION

As part of the environmental due diligence, this survey is intended to assess the general presence, quantity, and location of LBP and lead-glazed ceramics above allowable levels at *Plaza Pública Gurabo y Mejoras Aceras y Calles Colindantes* located at calle Santiago (N), Gurabo, PR

The LBP survey, conforming to Housing Urban Development (HUD) Guidelines for the Evaluation and Control of Lead Based Paint in Housing, was conducted on May 10 & 11, 2023, by Mr. Ramón Alejandro (Lead inspector number: LBPI-23622-250) from Nortol. Copy of Nortol's registration with the PRDNER is included in **Attachment 1**. Inspector's credential(s) is included in **Attachment 2.** Nortol's survey areas and report are limited to the details provided in Section II part D.

Based on the results of the survey, 686 XRF readings were performed using an XRF analyzer on the identified and accessible surfaces in the exterior of the subject structure. LBP was identified above the regulatory level of 1.0 mg/cm^2 on handrails, sculptures (statues) and street curbs. See Attachments 3 to 6.

There is concrete, metal, and wood components. The floors have terrazzo tiles, are painted or are bare concrete.

II. LEAD BASED PAINT SURVEY REPORT

A. Lead Based Paint Findings:

LBP was found in some of the project accessed components (see Table 1.0). The data from XRF analyzer testing is included in **Attachment 3 and 4** with positive readings marked in red or bold. **Attachment 5** includes the approximated location of identified LBP or lead-glazes at the subject structure. Representative Pictures\Photograph Log of identified LBP surfaces and/or lead-glazed ceramic components within the structure are provided in **Attachment 6.**

Table 1.0		
BLDG OR AREA (see Attachments for additional information)	**LEAD-BASED PAINT (LBP) OR LEAD-GLAZES**	**ESTIMATED QUANTITY***
Plaza (to north)	LBP found on metal handrail	60 LF
Plaza (to north and south)	LBP found on metal statues	4 units
Matias Gonzalez Garcia Street (north to south)	LBP found on concrete curbs	150 LF
PR-189 (west to east)	LBP found on concrete curbs	100 LF
San Jose Street (southeast area)	LBP found on concrete curbs	50 LF
Eugenio Sanchez Lopez (southwest area)	LBP found on concrete curbs	100 LF
Street SR PR-943 (northwest)	LBP found on concrete curbs	110 LF
San Jose (northeast)	LBP found on concrete curbs	150 LF
**Abatement contractors are responsible to confirm estimates on-site.*		

B. Survey Protocol and Sampling Procedure:

The survey was conducted following the *HUD Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing (1997 Revision, Chapter 7)*. The technique used for assessing the painted components was the XRF instrument. The following guidelines were used to perform LBP testing:

1. Achieve inventory of painted surfaces
2. Select areas to be assessed.
3. Perform XRF testing.
4. Review and evaluate the data.
5. Report findings

The XRF instrument was set at Standard Paint Mode showing reading "Positive" or "Negative" with a 95% confident reading. The result is reported in mg/cm^2. **Attachment 7** includes the XRF Performance Characteristic Sheet (PCS) of the analyzer.

The **letters A, B, C**, and **D** used in the survey refers to:

A ⇒ Main entrance side orientation (to street)
B ⇒ Left side orientation
C ⇒ Rear side orientation
D ⇒ Right side orientation

C. Lead Based Paint Background and Regulatory Review:

Overexposure to lead is one of the most common situations found in industry. It is also a major potential public health risk. Lead poisoning is the leading environmentally induced illness in children. At greatest risk are children under the age of six because they are undergoing rapid neurological and physical development. In general population, lead may be present at hazardous concentrations in food, water, and air. Sources include LBP, urban soil, dust, and drinking water.

Lead is commonly added to industrial paints because of its characteristic to resist corrosion. Industries with particularly high potential exposures include construction work involving welding, cutting, brazing, blasting, etc., on lead paint surfaces; most smelter operations either as a trace contaminant or as a major product; secondary lead smelters where lead is recovered from batteries; radiator repair shops; and firing ranges. Oral ingestion may represent a major route of exposure in contaminated workplaces. Once in the blood, lead is distributed primarily among three routes - blood, soft tissue (kidney, bone marrow, liver, and brain) and mineralizing tissue (bones and teeth).

Hazard of lead in paint has been defined by the Department of Housing and Urban Development as 1.0 mg/cm^2 as measured by an XRF instrument, or Atomic Absorption Spectroscopy (AAS); or 0.5% by weight (or 5,000 ppm) as measured by AAS, or Inductive Coupled Plasma (ICP). The same level was adopted by EPA regulations published in 1992, under Title X.

Although OSHA regulations for occupational lead exposure have been in effect since 1971 for the construction and general industries, the agency recognized the need to provide better protection and revised the regulations for general industry in 1978. The 1978 lead standard, however, excluded the construction industry from coverage because of insufficient information regarding lead use in construction.

In 1990, NIOSH set a national goal to eliminate worker exposures resulting in blood lead concentrations greater than 25 micrograms per deciliter (25 µg/dl) of whole blood. Consequently, OSHA began developing a proposal for a comprehensive standard regulating occupational exposure to lead in construction. In October 1992, the Congress passed Section 1031 of Title X of the Housing and Community Development Act of 1992 (P. L. 102-550) requiring OSHA to issue an interim final lead standard for the construction industry, effective until OSHA issues a final standard. The interim final rule, published on May 4, 1993, amends the OSHA standards for occupational health and environmental controls in Subpart D of Title 29 CFR 1926 by adding a

new section 1926.62, containing employee protection requirements for construction workers exposed to lead.

On July 1998, the PRDNER - former PR Environmental Quality Board regulations regarding to LBP was created to issue activity permits, accredit institutions, and certificate persons involved in LBP activities in Puerto Rico. Local regulations require all lead to be managed as a special waste. On August 2019 this regulation was replaced by the new *Reglamento para el Manejo Adecuado de Actividades de Pintura con Base de Plomo*. To obtain a demolition permit in Puerto Rico is necessary to include a certification (OGP-PGC-010 or equivalent) stating that there is no LBP in the project.

D. Survey Areas – Extent of Survey Coverage:

The survey included a detailed structure inspection providing a general sense of the overall location, type, quantity, and condition of LBP and lead-glazed ceramic components. The LBP survey was performed to ready accessible components and surfaces. If any suspect coated surface or ceramic components that could contain lead are encountered underneath current installed tiles or other construction material during demolition and/or renovation activities which differ from materials tested during the LBP survey, these should be assumed to be Lead containing until testing/analysis confirmed otherwise. The survey was unobtrusive as samples were not taken where doing so would have resulted in objectionable damage to surfaces. Therefore, the survey did not include destructive, intrusive and/or exploratory testing.

Areas Not Included in Survey and Service Constraints: All professional opinions presented in this report are based on information made available either by review of data provided by others or data gathered by Nortol's personnel. Nortol affirms that data gathered and presented by Nortol in this report was collected in an appropriate manner in accordance with accepted methods and practices. Any energized utilities/services, including electricity, water and heat were assumed to be active. Materials associated with these items were determined to not be safely accessible and were not sampled. The survey did not include access or inspection of confined spaces or subsurface/underground areas including piping, conduits, building footings and soils (surficial or otherwise).

III. CONCLUSION

LBP survey was conducted for the project identified with the header ID. LBP or lead-glaze was identified above the regulatory level of 1.0 mg/cm^2 at selective areas of the subject structure.

Data from XRF analyzer testing is included in **Attachment 3 and 4** with positive readings marked in red or bold. **Attachment 5** includes the approximated location of identified LBP or lead-glazes at the subject structure. Representative Pictures\Photograph Log of identified LBP surfaces and/or lead-glazed ceramic components within the structure are provided in **Attachment 6.**

Any conditions or materials that could not be visually identified or were out-of-the SOW, was not inspected and may differ from those conditions or materials noted. It was not within the scope of the activity to remove surface materials to investigate portions of the structure or materials that may lay beneath the surface. Nortol's selection of sample locations and frequency of sampling was based on Nortol's observations and the assumption that similar materials in the same area are homogeneous in content.

The report is designed to aid the building owner, architect, construction manager, general contractors, and potential asbestos or lead abatement contractors in locating LBP or lead-glaze. Under no circumstances is the report to be utilized solely as a bidding document or as a project specification document.

Attachment 1

Company Credentials



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Environmental & Occupational Safety, Inc. Est. 2002



GOBIERNO DE PUERTO RICO

Departamento de Recursos Naturales y Ambientales

Este certificado es otorgado a:

Nortol Environmental & Occupational Safety, Inc.

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

Número de Certificado

LBPF-04023-008

Fecha de emisión: Marzo 5, 2023

Fecha de Expiración: Marzo 4, 2024

DRNA

José Roque Juliá
Jefe
División Desperdicios Tóxicos

LEAD-SAFE
EPA
CERTIFIED FIRM

NAT-F121771-2

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20 ANNIVERSARY
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Environmental & Occupational Safety Est. 2002

Attachment 2
Inspector's Credentials

RAMON ALEJANDRO
Puerto Rico
Lead-based Paint Inspector



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PO Box 366457, San Juan, PR 00936-6457

Attachment 3

Positive LBP XRF Tabulated Readings

Plaza Pública Gurabo y Mejoras a sus Aceras colindantes XRF SHEET

Company	**Viken Detection**
Model	Pb200i
Type	XRF Lead Paint Analyzer
Serial Num.	2703
App Version	Pb200i-5.2.0

Job Id	Reading #	Concentration	Units	Result	Level	Date	Time	Inspector	Job	Room	Structure	Component	Substrate	Wall	Color	Condition	Approx. Qty.
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	83	10.2	mg/cm2	Positive	1	5/10/23	10:10:07	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Handrail	Metal	-	Black	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	84	10.2	mg/cm2	Positive	1	5/10/23	10:11:02	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Handrail	Metal	-	Black	Intact	60 Lf
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	85	10	mg/cm2	Positive	1	5/10/23	10:11:21	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Handrail	Metal	-	Black	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	188	6.1	mg/cm2	Positive	1	5/10/23	11:28:35	R.Alejandro	100-116	Exterior	Public Plaza / North Area / Left Statue	Statue	Metal	-	Brown	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	189	6.7	mg/cm2	Positive	1	5/10/23	11:28:53	R.Alejandro	100-116	Exterior	Public Plaza / North Area / Left Statue	Statue	Metal	-	Brown	Intact	1 unit
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	190	3.9	mg/cm2	Positive	1	5/10/23	11:29:25	R.Alejandro	100-116	Exterior	Public Plaza / North Area / Right Statue	Statue	Metal	-	Brown	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	191	6.4	mg/cm2	Positive	1	5/10/23	11:29:40	R.Alejandro	100-116	Exterior	Public Plaza / North Area / Right Statue	Statue	Metal	-	Brown	Intact	1 unit
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	192	6.5	mg/cm2	Positive	1	5/10/23	11:30:11	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Left Statue	Statue	Metal	-	Brown	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	193	5.7	mg/cm2	Positive	1	5/10/23	11:31:03	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Left Statue	Statue	Metal	-	Brown	Intact	1 unit
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	194	5.4	mg/cm2	Positive	1	5/10/23	11:31:27	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Right Statue	Statue	Metal	-	Brown	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	195	6.2	mg/cm2	Positive	1	5/10/23	11:31:58	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Right Statue	Statue	Metal	-	Brown	Intact	1 unit
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	196	6	mg/cm2	Positive	1	5/10/23	11:32:10	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Right Statue	Statue	Metal	-	Brown	Intact	

Attachment 4
LBP XRF Tabulated Readings

Plaza Pública Gurabo y Mejoras a sus Aceras colindantes XRF SHEET

Company	**Viken Detection**
Model	Pb200i
Type	XRF Lead Paint Analyzer
Serial Num.	2703
App Version	Pb200i-5.2.0

Job Id	Reading #	Concentration	Units	Result	Level	Date	Time	Inspector	Job	Room	Structure	Component	Substrate	Wall	Color	Condition	Approx. Qty.
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	1	1	mg/cm2	Positive	1	5/10/23	8:45:59	R.Alejandro	100-116	Exterior	Calibration	-	-	-		-	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	2	1	mg/cm2	Positive	1	5/10/23	8:46:14	R.Alejandro	100-116	Exterior	Calibration	-	-	-		-	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	3	0.9	mg/cm2	Negative	1	5/10/23	8:46:30	R.Alejandro	100-116	Exterior	Calibration	-	-	-		-	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	4	0.1	mg/cm2	Negative	1	5/10/23	8:56:16	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Left Statue Area	Curb	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	5	0.1	mg/cm2	Negative	1	5/10/23	8:56:47	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Left Statue Area	Curb	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	6	0.2	mg/cm2	Negative	1	5/10/23	8:57:03	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Left Statue Area	Curb	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	7	0.1	mg/cm2	Negative	1	5/10/23	8:57:36	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Left Statue Area	Partition Wall	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	8	0	mg/cm2	Negative	1	5/10/23	8:57:48	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Left Statue Area	Partition Wall	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	9	0	mg/cm2	Negative	1	5/10/23	8:58:32	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Left Statue Area	Statue Base	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	10	0.1	mg/cm2	Negative	1	5/10/23	8:59:33	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Left Statue Area	Curb	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	11	0	mg/cm2	Negative	1	5/10/23	9:02:25	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Left Statue Area	Curb	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	12	0.1	mg/cm2	Negative	1	5/10/23	9:02:39	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Left Statue Area	Curb	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	13	0	mg/cm2	Negative	1	5/10/23	9:03:23	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Left Statue Area	Partition Wall	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	14	0	mg/cm2	Negative	1	5/10/23	9:03:59	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Left Statue Area	Partition Wall	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	15	0	mg/cm2	Negative	1	5/10/23	9:04:25	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Left Statue Area	Statue Base	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	16	0.2	mg/cm2	Negative	1	5/10/23	9:06:35	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Left Statue Area	Statue Base	Metal	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	17	0.1	mg/cm2	Negative	1	5/10/23	9:07:49	R.Alejandro	100-116	Exterior	Public Plaza / South Area	Curb	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	18	0	mg/cm2	Negative	1	5/10/23	9:08:17	R.Alejandro	100-116	Exterior	Public Plaza / South Area	Curb	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	19	0	mg/cm2	Negative	1	5/10/23	9:09:10	R.Alejandro	100-116	Exterior	Public Plaza / South Area	Floor	Concrete	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	20	0	mg/cm2	Negative	1	5/10/23	9:09:28	R.Alejandro	100-116	Exterior	Public Plaza / South Area	Floor	Concrete	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	21	0	mg/cm2	Negative	1	5/10/23	9:11:14	R.Alejandro	100-116	Exterior	Public Plaza / South Area	Light Pole	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	22	0	mg/cm2	Negative	1	5/10/23	9:11:46	R.Alejandro	100-116	Exterior	Public Plaza / South Area	Light Pole	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	23	0	mg/cm2	Negative	1	5/10/23	9:14:30	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Taxi House	Metal Column	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	24	0	mg/cm2	Negative	1	5/10/23	9:14:43	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Taxi House	Metal Column	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	25	0	mg/cm2	Negative	1	5/10/23	9:14:58	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Taxi House	Metal Column	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	26	0	mg/cm2	Negative	1	5/10/23	9:15:54	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Taxi House	Burglar Fence	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	27	0	mg/cm2	Negative	1	5/10/23	9:16:06	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Taxi House	Burglar Fence	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	28	0	mg/cm2	Negative	1	5/10/23	9:17:53	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Taxi House	Ceiling	Wood	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	29	0	mg/cm2	Negative	1	5/10/23	9:18:11	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Taxi House	Ceiling	Wood	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	30	0.1	mg/cm2	Negative	1	5/10/23	9:18:48	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Taxi House	Floor	Concrete	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	31	0.3	mg/cm2	Negative	1	5/10/23	9:19:02	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Taxi House	Floor	Concrete	-	Brown	Intact	-

Plaza Pública Gurabo y Mejoras a sus Aceras colindantes XRF SHEET

Company	**Viken Detection**
Model	Pb200i
Type	XRF Lead Paint Analyzer
Serial Num.	2703
App Version	Pb200i-5.2.0

Job Id	Reading #	Concentration	Units	Result	Level	Date	Time	Inspector	Job	Room	Structure	Component	Substrate	Wall	Color	Condition	Approx. Qty.
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	32	0	mg/cm2	Negative	1	5/10/23	9:20:59	R.Alejandro	100-116	Exterior	Public Plaza / South Area	Sing Pole	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	33	0	mg/cm2	Negative	1	5/10/23	9:21:14	R.Alejandro	100-116	Exterior	Public Plaza / South Area	Sing Pole	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	34	0	mg/cm2	Negative	1	5/10/23	9:22:48	R.Alejandro	100-116	Exterior	Public Plaza / South Area	Base	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	35	0	mg/cm2	Negative	1	5/10/23	9:23:02	R.Alejandro	100-116	Exterior	Public Plaza / South Area	Base	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	36	0.2	mg/cm2	Negative	1	5/10/23	9:24:16	R.Alejandro	100-116	Exterior	Public Plaza / South Area	Bench	Terrazo	-	Beige	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	37	0	mg/cm2	Negative	1	5/10/23	9:24:27	R.Alejandro	100-116	Exterior	Public Plaza / South Area	Bench	Terrazo	-	Beige	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	38	0.1	mg/cm2	Negative	1	5/10/23	9:27:05	R.Alejandro	100-116	Exterior	Public Plaza / South Area	Floor	Concrete	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	39	0	mg/cm2	Negative	1	5/10/23	9:27:27	R.Alejandro	100-116	Exterior	Public Plaza / South Area	Floor	Concrete	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	40	0	mg/cm2	Negative	1	5/10/23	9:29:56	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Domino House	Burglar Fence	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	41	0	mg/cm2	Negative	1	5/10/23	9:30:09	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Domino House	Burglar Fence	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	42	0	mg/cm2	Negative	1	5/10/23	9:30:22	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Domino House	Burglar Fence	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	43	0	mg/cm2	Negative	1	5/10/23	9:30:57	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Domino House	Metal Column	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	44	0	mg/cm2	Negative	1	5/10/23	9:31:14	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Domino House	Metal Column	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	45	0	mg/cm2	Negative	1	5/10/23	9:31:33	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Domino House	Metal Column	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	46	0	mg/cm2	Negative	1	5/10/23	9:33:33	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Domino House	Ceiling	Wood	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	47	0	mg/cm2	Negative	1	5/10/23	9:33:45	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Domino House	Ceiling	Wood	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	48	0	mg/cm2	Negative	1	5/10/23	9:39:52	R.Alejandro	100-116	Exterior	Public Plaza / Center Area	Floor	Concrete	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	49	0.1	mg/cm2	Negative	1	5/10/23	9:40:09	R.Alejandro	100-116	Exterior	Public Plaza / Center Area	Floor	Concrete	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	50	0	mg/cm2	Negative	1	5/10/23	9:40:28	R.Alejandro	100-116	Exterior	Public Plaza / Center Area	Floor	Concrete	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	51	0.2	mg/cm2	Negative	1	5/10/23	9:40:45	R.Alejandro	100-116	Exterior	Public Plaza / Center Area	Floor	Concrete	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	52	0	mg/cm2	Negative	1	5/10/23	9:41:52	R.Alejandro	100-116	Exterior	Public Plaza / Center Area	3' Pole	Metal	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	53	0	mg/cm2	Negative	1	5/10/23	9:42:07	R.Alejandro	100-116	Exterior	Public Plaza / Center Area	3' Pole	Metal	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	54	0	mg/cm2	Negative	1	5/10/23	9:42:21	R.Alejandro	100-116	Exterior	Public Plaza / Center Area	3' Pole	Metal	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	55	0	mg/cm2	Negative	1	5/10/23	9:43:17	R.Alejandro	100-116	Exterior	Public Plaza / Center Area	Light Pole Base	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	56	0	mg/cm2	Negative	1	5/10/23	9:44:14	R.Alejandro	100-116	Exterior	Public Plaza / Center Area	Light Pole Base	Metal	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	57	0	mg/cm2	Negative	1	5/10/23	9:44:47	R.Alejandro	100-116	Exterior	Public Plaza / Center Area	Light Pole Base	Metal	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	58	0.1	mg/cm2	Negative	1	5/10/23	9:45:22	R.Alejandro	100-116	Exterior	Public Plaza / Center Area	Light Pole Base	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	59	0	mg/cm2	Negative	1	5/10/23	9:46:59	R.Alejandro	100-116	Exterior	Public Plaza / Center Area	Light Pole Base	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	60	0	mg/cm2	Negative	1	5/10/23	9:47:56	R.Alejandro	100-116	Exterior	Public Plaza / Center Area	Pole Base	Metal	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	61	0	mg/cm2	Negative	1	5/10/23	9:49:02	R.Alejandro	100-116	Exterior	Public Plaza / Center Area	Pole Base	Metal	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	62	0	mg/cm2	Negative	1	5/10/23	9:49:36	R.Alejandro	100-116	Exterior	Public Plaza / Center Area	Light Pole Base	Metal	-	Black	Intact	-

Plaza Pública Gurabo y Mejoras a sus Aceras colindantes XRF SHEET

Company	**Viken Detection**
Model	Pb200i
Type	XRF Lead Paint Analyzer
Serial Num.	2703
App Version	Pb200i-5.2.0

Job Id	Reading #	Concentration	Units	Result	Level	Date	Time	Inspector	Job	Room	Structure	Component	Substrate	Wall	Color	Condition	Approx. Qty.
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	63	0.1	mg/cm2	Negative	1	5/10/23	9:51:02	R.Alejandro	100-116	Exterior	Public Plaza / Center Area	Trash	Plastic	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	64	0	mg/cm2	Negative	1	5/10/23	9:51:24	R.Alejandro	100-116	Exterior	Public Plaza / Center Area	Trash	Plastic	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	65	0.2	mg/cm2	Negative	1	5/10/23	9:52:48	R.Alejandro	100-116	Exterior	Public Plaza / Center Area	Bench Base	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	66	0	mg/cm2	Negative	1	5/10/23	9:53:03	R.Alejandro	100-116	Exterior	Public Plaza / Center Area	Bench Base	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	67	0	mg/cm2	Negative	1	5/10/23	9:53:55	R.Alejandro	100-116	Exterior	Public Plaza / Center Area	Bench Base	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	68	0	mg/cm2	Negative	1	5/10/23	9:54:05	R.Alejandro	100-116	Exterior	Public Plaza / Center Area	Bench Base	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	69	0	mg/cm2	Negative	1	5/10/23	9:54:45	R.Alejandro	100-116	Exterior	Public Plaza / Center Area	Curb	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	70	0	mg/cm2	Negative	1	5/10/23	9:55:01	R.Alejandro	100-116	Exterior	Public Plaza / Center Area	Curb	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	71	0	mg/cm2	Negative	1	5/10/23	9:55:21	R.Alejandro	100-116	Exterior	Public Plaza / Center Area	Curb	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	72	0	mg/cm2	Negative	1	5/10/23	9:55:49	R.Alejandro	100-116	Exterior	Public Plaza / Center Area	Curb	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	73	0	mg/cm2	Negative	1	5/10/23	9:59:48	R.Alejandro	100-116	Exterior	Public Plaza / North Area / Left Hallway	Floor Metal Cover	Metal	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	74	0	mg/cm2	Negative	1	5/10/23	10:00:14	R.Alejandro	100-116	Exterior	Public Plaza / North Area / Left Hallway	Floor Metal Cover	Metal	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	75	0.1	mg/cm2	Negative	1	5/10/23	10:01:35	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Curb	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	76	0	mg/cm2	Negative	1	5/10/23	10:01:47	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Curb	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	77	0	mg/cm2	Negative	1	5/10/23	10:02:30	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Floor	Concrete	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	78	0	mg/cm2	Negative	1	5/10/23	10:02:45	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Floor	Concrete	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	79	0.5	mg/cm2	Negative	1	5/10/23	10:05:37	R.Alejandro	100-116	Exterior	Public Plaza / North Area /Left Statue	Statue Base	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	80	0.5	mg/cm2	Negative	1	5/10/23	10:06:02	R.Alejandro	100-116	Exterior	Public Plaza / North Area /Left Statue	Statue Base	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	81	0	mg/cm2	Negative	1	5/10/23	10:08:07	R.Alejandro	100-116	Exterior	Public Plaza / North Area /Left Statue	Statue Base	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	82	0.1	mg/cm2	Negative	1	5/10/23	10:08:22	R.Alejandro	100-116	Exterior	Public Plaza / North Area /Left Statue	Statue Base	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	83	10.2	mg/cm2	Positive	1	5/10/23	10:10:07	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Handrail	Metal	-	Black	Intact	60 Lf
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	84	10.2	mg/cm2	Positive	1	5/10/23	10:11:02	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Handrail	Metal	-	Black	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	85	10	mg/cm2	Positive	1	5/10/23	10:11:21	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Handrail	Metal	-	Black	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	86	0.1	mg/cm2	Negative	1	5/10/23	10:12:19	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Metal Fence	Metal	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	87	0	mg/cm2	Negative	1	5/10/23	10:12:47	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Metal Fence	Metal	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	88	0	mg/cm2	Negative	1	5/10/23	10:13:08	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Metal Fence	Metal	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	89	0	mg/cm2	Negative	1	5/10/23	10:13:24	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Metal Fence	Metal	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	90	0	mg/cm2	Negative	1	5/10/23	10:13:54	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Metal Fence Pole	Metal	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	91	0	mg/cm2	Negative	1	5/10/23	10:14:10	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Metal Fence Pole	Metal	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	92	0	mg/cm2	Negative	1	5/10/23	10:14:29	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Metal Fence Pole	Metal	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	93	0	mg/cm2	Negative	1	5/10/23	10:14:45	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Metal Fence Pole	Metal	-	Green	Intact	-

Plaza Pública Gurabo y Mejoras a sus Aceras colindantes XRF SHEET

Company	**Viken Detection**
Model	Pb200i
Type	XRF Lead Paint Analyzer
Serial Num.	2703
App Version	Pb200i-5.2.0

Job Id	Reading #	Concentration	Units	Result	Level	Date	Time	Inspector	Job	Room	Structure	Component	Substrate	Wall	Color	Condition	Approx. Qty.
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	94	0	mg/cm2	Negative	1	5/10/23	10:17:01	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Light Pole	Metal	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	95	0	mg/cm2	Negative	1	5/10/23	10:17:19	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Light Pole	Metal	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	96	0.1	mg/cm2	Negative	1	5/10/23	10:18:16	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Light Pole Base	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	97	0.1	mg/cm2	Negative	1	5/10/23	10:18:37	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Light Pole Base	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	98	0.1	mg/cm2	Negative	1	5/10/23	10:19:48	R.Alejandro	100-116	Exterior	Public Plaza / North Area / Left Stair	Floor	Concrete	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	99	0.2	mg/cm2	Negative	1	5/10/23	10:20:03	R.Alejandro	100-116	Exterior	Public Plaza / North Area / Left Stair	Floor	Concrete	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	100	0	mg/cm2	Negative	1	5/10/23	10:21:06	R.Alejandro	100-116	Exterior	Public Plaza / North Area / Left Stair	Wall	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	101	0	mg/cm2	Negative	1	5/10/23	10:21:25	R.Alejandro	100-116	Exterior	Public Plaza / North Area / Left Stair	Wall	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	102	0.1	mg/cm2	Negative	1	5/10/23	10:22:24	R.Alejandro	100-116	Exterior	Public Plaza / North Area / Left Stair	Curb	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	103	0	mg/cm2	Negative	1	5/10/23	10:22:36	R.Alejandro	100-116	Exterior	Public Plaza / North Area / Left Stair	Curb	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	104	0.1	mg/cm2	Negative	1	5/10/23	10:23:47	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Floor	Concrete	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	105	0.4	mg/cm2	Negative	1	5/10/23	10:24:01	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Floor	Concrete	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	106	0	mg/cm2	Negative	1	5/10/23	10:24:22	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Floor	Concrete	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	107	0.1	mg/cm2	Negative	1	5/10/23	10:24:39	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Floor	Concrete	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	108	0	mg/cm2	Negative	1	5/10/23	10:24:55	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Floor	Concrete	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	109	0	mg/cm2	Negative	1	5/10/23	10:25:50	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Bench Base	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	110	0	mg/cm2	Negative	1	5/10/23	10:26:01	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Bench Base	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	111	0.4	mg/cm2	Negative	1	5/10/23	10:27:07	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Bench	Terrazo	-	Beige	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	112	0.2	mg/cm2	Negative	1	5/10/23	10:27:24	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Bench	Terrazo	-	Beige	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	113	0.1	mg/cm2	Negative	1	5/10/23	10:28:04	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Curb	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	114	0.1	mg/cm2	Negative	1	5/10/23	10:28:23	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Curb	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	115	0.1	mg/cm2	Negative	1	5/10/23	10:29:21	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Light Pole Base	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	116	0.1	mg/cm2	Negative	1	5/10/23	10:30:05	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Light Pole Base	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	117	0	mg/cm2	Negative	1	5/10/23	10:30:26	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Light Pole Base	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	118	0	mg/cm2	Negative	1	5/10/23	10:30:52	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Light Pole Base	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	119	0	mg/cm2	Negative	1	5/10/23	10:31:48	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Burglar Fence	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	120	0	mg/cm2	Negative	1	5/10/23	10:32:02	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Burglar Fence	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	121	0.1	mg/cm2	Negative	1	5/10/23	10:32:17	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Burglar Fence	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	122	0	mg/cm2	Negative	1	5/10/23	10:32:32	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Burglar Fence	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	123	0	mg/cm2	Negative	1	5/10/23	10:33:34	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Metal Column	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	124	0	mg/cm2	Negative	1	5/10/23	10:33:48	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Metal Column	Metal	-	Black	Intact	-

Plaza Pública Gurabo y Mejoras a sus Aceras colindantes XRF SHEET

Company	**Viken Detection**
Model	Pb200i
Type	XRF Lead Paint Analyzer
Serial Num.	2703
App Version	Pb200i-5.2.0

Job Id	Reading #	Concentration	Units	Result	Level	Date	Time	Inspector	Job	Room	Structure	Component	Substrate	Wall	Color	Condition	Approx. Qty.
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	125	0.2	mg/cm2	Negative	1	5/10/23	10:34:04	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Metal Column	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	126	0	mg/cm2	Negative	1	5/10/23	10:34:19	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Metal Column	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	127	0	mg/cm2	Negative	1	5/10/23	10:35:53	R.Alejandro	100-116	Exterior	Public Plaza / North Area / Center Hallway	Floor Metal Cover	Metal	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	128	0	mg/cm2	Negative	1	5/10/23	10:36:38	R.Alejandro	100-116	Exterior	Public Plaza / North Area / Center Hallway	Curb	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	129	0.1	mg/cm2	Negative	1	5/10/23	10:36:50	R.Alejandro	100-116	Exterior	Public Plaza / North Area / Center Hallway	Curb	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	130	0.1	mg/cm2	Negative	1	5/10/23	10:38:04	R.Alejandro	100-116	Exterior	Public Plaza / North Area / Center Stair	Floor	Concrete	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	131	0.4	mg/cm2	Negative	1	5/10/23	10:38:17	R.Alejandro	100-116	Exterior	Public Plaza / North Area / Center Stair	Floor	Concrete	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	132	0	mg/cm2	Negative	1	5/10/23	10:39:10	R.Alejandro	100-116	Exterior	Public Plaza / North Area / Center Stair	Curb	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	133	0	mg/cm2	Negative	1	5/10/23	10:39:21	R.Alejandro	100-116	Exterior	Public Plaza / North Area / Center Stair	Curb	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	134	0	mg/cm2	Negative	1	5/10/23	10:40:12	R.Alejandro	100-116	Exterior	Public Plaza / North Area / Center Stair	Burglar Fence	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	135	0	mg/cm2	Negative	1	5/10/23	10:40:23	R.Alejandro	100-116	Exterior	Public Plaza / North Area / Center Stair	Burglar Fence	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	136	0	mg/cm2	Negative	1	5/10/23	10:41:21	R.Alejandro	100-116	Exterior	Public Plaza / North Area / Center Stair	Burglar Fence	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	137	0	mg/cm2	Negative	1	5/10/23	10:41:31	R.Alejandro	100-116	Exterior	Public Plaza / North Area / Center Stair	Burglar Fence	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	138	0.2	mg/cm2	Negative	1	5/10/23	10:45:19	R.Alejandro	100-116	Exterior	Public Plaza / North Area / Right Statue Area	Statue Base	Metal	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	139	0.1	mg/cm2	Negative	1	5/10/23	10:46:29	R.Alejandro	100-116	Exterior	Public Plaza / North Area / Right Statue Area	Statue Base	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	140	0	mg/cm2	Negative	1	5/10/23	10:46:39	R.Alejandro	100-116	Exterior	Public Plaza / North Area / Right Statue Area	Statue Base	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	141	0	mg/cm2	Negative	1	5/10/23	10:47:25	R.Alejandro	100-116	Exterior	Public Plaza / North Area / Right Statue Area	Partition Wall	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	142	0	mg/cm2	Negative	1	5/10/23	10:47:43	R.Alejandro	100-116	Exterior	Public Plaza / North Area / Right Statue Area	Partition Wall	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	143	0	mg/cm2	Negative	1	5/10/23	10:48:19	R.Alejandro	100-116	Exterior	Public Plaza / North Area / Right Statue Area	Curb	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	144	0	mg/cm2	Negative	1	5/10/23	10:49:06	R.Alejandro	100-116	Exterior	Public Plaza / North Area / Right Statue Area	Floor	Concrete	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	145	0.2	mg/cm2	Negative	1	5/10/23	10:49:20	R.Alejandro	100-116	Exterior	Public Plaza / North Area / Right Statue Area	Floor	Concrete	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	146	0.3	mg/cm2	Negative	1	5/10/23	10:50:11	R.Alejandro	100-116	Exterior	Public Plaza / East Area	Floor	Concrete	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	147	0.1	mg/cm2	Negative	1	5/10/23	10:50:23	R.Alejandro	100-116	Exterior	Public Plaza / East Area	Floor	Concrete	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	148	0.2	mg/cm2	Negative	1	5/10/23	10:50:38	R.Alejandro	100-116	Exterior	Public Plaza / East Area	Floor	Concrete	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	149	0	mg/cm2	Negative	1	5/10/23	10:51:02	R.Alejandro	100-116	Exterior	Public Plaza / East Area	Floor	Concrete	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	150	0.1	mg/cm2	Negative	1	5/10/23	10:51:17	R.Alejandro	100-116	Exterior	Public Plaza / East Area	Floor	Concrete	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	151	0	mg/cm2	Negative	1	5/10/23	10:53:04	R.Alejandro	100-116	Exterior	Public Plaza / East Area	Curb	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	152	0	mg/cm2	Negative	1	5/10/23	10:53:15	R.Alejandro	100-116	Exterior	Public Plaza / East Area	Curb	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	153	0	mg/cm2	Negative	1	5/10/23	10:53:43	R.Alejandro	100-116	Exterior	Public Plaza / East Area	Curb	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	154	0	mg/cm2	Negative	1	5/10/23	10:53:56	R.Alejandro	100-116	Exterior	Public Plaza / East Area	Curb	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	155	0	mg/cm2	Negative	1	5/10/23	10:54:25	R.Alejandro	100-116	Exterior	Public Plaza / East Area	Curb	Concrete	-	Green	Intact	-

Plaza Pública Gurabo y Mejoras a sus Aceras colindantes XRF SHEET

Company	**Viken Detection**
Model	Pb200i
Type	XRF Lead Paint Analyzer
Serial Num.	2703
App Version	Pb200i-5.2.0

Job Id	Reading #	Concentration	Units	Result	Level	Date	Time	Inspector	Job	Room	Structure	Component	Substrate	Wall	Color	Condition	Approx. Qty.
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	156	0.8	mg/cm2	Negative	1	5/10/23	10:55:51	R.Alejandro	100-116	Exterior	Calibration	-	-	-	-	-	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	157	1	mg/cm2	Positive	1	5/10/23	10:56:07	R.Alejandro	100-116	Exterior	Calibration	-	-	-	-	-	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	158	0.8	mg/cm2	Negative	1	5/10/23	10:56:22	R.Alejandro	100-116	Exterior	Calibration	-	-	-	-	-	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	159	0.1	mg/cm2	Negative	1	5/10/23	10:58:01	R.Alejandro	100-116	Exterior	Public Plaza / East Area	Bench Base	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	160	0.1	mg/cm2	Negative	1	5/10/23	10:58:15	R.Alejandro	100-116	Exterior	Public Plaza / East Area	Bench Base	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	161	0.1	mg/cm2	Negative	1	5/10/23	11:00:08	R.Alejandro	100-116	Exterior	Public Plaza / East Area	Light Pole	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	162	0	mg/cm2	Negative	1	5/10/23	11:00:38	R.Alejandro	100-116	Exterior	Public Plaza / East Area	Light Pole	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	163	0	mg/cm2	Negative	1	5/10/23	11:01:18	R.Alejandro	100-116	Exterior	Public Plaza / East Area	Light Pole Base	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	164	0.1	mg/cm2	Negative	1	5/10/23	11:01:34	R.Alejandro	100-116	Exterior	Public Plaza / East Area	Light Pole Base	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	165	0	mg/cm2	Negative	1	5/10/23	11:08:35	R.Alejandro	100-116	Exterior	Public Plaza / East Area / Coffee Box	Wall	Metal	-	Beige	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	166	0	mg/cm2	Negative	1	5/10/23	11:08:51	R.Alejandro	100-116	Exterior	Public Plaza / East Area / Coffee Box	Wall	Metal	-	Beige	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	167	0	mg/cm2	Negative	1	5/10/23	11:09:08	R.Alejandro	100-116	Exterior	Public Plaza / East Area / Coffee Box	Wall	Metal	-	Beige	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	168	0	mg/cm2	Negative	1	5/10/23	11:11:22	R.Alejandro	100-116	Exterior	Public Plaza / West Area	Floor	Metal	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	169	0	mg/cm2	Negative	1	5/10/23	11:11:42	R.Alejandro	100-116	Exterior	Public Plaza / West Area	Floor	Metal	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	170	0.2	mg/cm2	Negative	1	5/10/23	11:12:09	R.Alejandro	100-116	Exterior	Public Plaza / West Area	Floor	Metal	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	171	0	mg/cm2	Negative	1	5/10/23	11:12:28	R.Alejandro	100-116	Exterior	Public Plaza / West Area	Floor	Metal	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	172	0	mg/cm2	Negative	1	5/10/23	11:12:47	R.Alejandro	100-116	Exterior	Public Plaza / West Area	Floor	Metal	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	173	0	mg/cm2	Negative	1	5/10/23	11:13:53	R.Alejandro	100-116	Exterior	Public Plaza / West Area	Curb	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	174	0	mg/cm2	Negative	1	5/10/23	11:14:09	R.Alejandro	100-116	Exterior	Public Plaza / West Area	Curb	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	175	0	mg/cm2	Negative	1	5/10/23	11:14:22	R.Alejandro	100-116	Exterior	Public Plaza / West Area	Curb	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	176	0	mg/cm2	Negative	1	5/10/23	11:15:42	R.Alejandro	100-116	Exterior	Public Plaza / West Area	Bench Base	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	177	0	mg/cm2	Negative	1	5/10/23	11:15:52	R.Alejandro	100-116	Exterior	Public Plaza / West Area	Bench Base	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	178	0	mg/cm2	Negative	1	5/10/23	11:17:56	R.Alejandro	100-116	Exterior	Public Plaza / West Area	Burglar Fence	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	179	0	mg/cm2	Negative	1	5/10/23	11:18:22	R.Alejandro	100-116	Exterior	Public Plaza / West Area	Burglar Fence	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	180	0	mg/cm2	Negative	1	5/10/23	11:18:39	R.Alejandro	100-116	Exterior	Public Plaza / West Area	Burglar Fence	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	181	0	mg/cm2	Negative	1	5/10/23	11:19:26	R.Alejandro	100-116	Exterior	Public Plaza / West Area	Metal Column	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	182	0.1	mg/cm2	Negative	1	5/10/23	11:19:40	R.Alejandro	100-116	Exterior	Public Plaza / West Area	Metal Column	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	183	0	mg/cm2	Negative	1	5/10/23	11:20:31	R.Alejandro	100-116	Exterior	Public Plaza / West Area	Metal Column	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	184	0	mg/cm2	Negative	1	5/10/23	11:21:11	R.Alejandro	100-116	Exterior	Public Plaza / West Area	Light Pole Base	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	185	0	mg/cm2	Negative	1	5/10/23	11:21:58	R.Alejandro	100-116	Exterior	Public Plaza / West Area	Light Pole Base	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	186	0	mg/cm2	Negative	1	5/10/23	11:23:06	R.Alejandro	100-116	Exterior	Public Plaza / West Area	Trash	Metal	-	Black	Intact	-

Plaza Pública Gurabo y Mejoras a sus Aceras colindantes XRF SHEET

Company	**Viken Detection**
Model	Pb200i
Type	XRF Lead Paint Analyzer
Serial Num.	2703
App Version	Pb200i-5.2.0

Job Id	Reading #	Concentration	Units	Result	Level	Date	Time	Inspector	Job	Room	Structure	Component	Substrate	Wall	Color	Condition	Approx. Qty.
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	187	0.5	mg/cm2	Negative	1	5/10/23	11:23:44	R.Alejandro	100-116	Exterior	Public Plaza / West Area	Sing Pole	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	188	6.1	mg/cm2	Positive	1	5/10/23	11:28:35	R.Alejandro	100-116	Exterior	Public Plaza / North Area / Left Statue	Statue	Metal	-	Brown	Intact	1 unit
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	189	6.7	mg/cm2	Positive	1	5/10/23	11:28:53	R.Alejandro	100-116	Exterior	Public Plaza / North Area / Left Statue	Statue	Metal	-	Brown	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	190	3.9	mg/cm2	Positive	1	5/10/23	11:29:25	R.Alejandro	100-116	Exterior	Public Plaza / North Area / Right Statue	Statue	Metal	-	Brown	Intact	1 unit
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	191	6.4	mg/cm2	Positive	1	5/10/23	11:29:40	R.Alejandro	100-116	Exterior	Public Plaza / North Area / Right Statue	Statue	Metal	-	Brown	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	192	6.5	mg/cm2	Positive	1	5/10/23	11:30:11	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Left Statue	Statue	Metal	-	Brown	Intact	1 unit
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	193	5.7	mg/cm2	Positive	1	5/10/23	11:31:03	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Left Statue	Statue	Metal	-	Brown	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	194	5.4	mg/cm2	Positive	1	5/10/23	11:31:27	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Right Statue	Statue	Metal	-	Brown	Intact	1 unit
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	195	6.2	mg/cm2	Positive	1	5/10/23	11:31:58	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Right Statue	Statue	Metal	-	Brown	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	196	6	mg/cm2	Positive	1	5/10/23	11:32:10	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Right Statue	Statue	Metal	-	Brown	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	197	0	mg/cm2	Negative	1	5/10/23	11:54:20	R.Alejandro	100-116	Exterior	Public Plaza/ Parking South Side	Floor Mark	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	198	0	mg/cm2	Negative	1	5/10/23	11:54:34	R.Alejandro	100-116	Exterior	Public Plaza/ Parking South Side	Floor Mark	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	199	0.3	mg/cm2	Negative	1	5/10/23	11:54:51	R.Alejandro	100-116	Exterior	Public Plaza/ Parking South Side	Floor Mark	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	200	0	mg/cm2	Negative	1	5/10/23	11:55:22	R.Alejandro	100-116	Exterior	Public Plaza/ Parking South Side	Floor Mark	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	201	0	mg/cm2	Negative	1	5/10/23	11:55:39	R.Alejandro	100-116	Exterior	Public Plaza/ Parking South Side	Floor Mark	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	202	0	mg/cm2	Negative	1	5/10/23	11:56:53	R.Alejandro	100-116	Exterior	Public Plaza/ Parking South Side	Floor Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	203	0	mg/cm2	Negative	1	5/10/23	11:57:07	R.Alejandro	100-116	Exterior	Public Plaza/ Parking South Side	Floor Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	204	0	mg/cm2	Negative	1	5/10/23	11:59:16	R.Alejandro	100-116	Exterior	Public Plaza/ Parking South Side	Wheel Stop	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	205	0.1	mg/cm2	Negative	1	5/10/23	11:59:31	R.Alejandro	100-116	Exterior	Public Plaza/ Parking South Side	Wheel Stop	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	206	0.2	mg/cm2	Negative	1	5/10/23	11:59:49	R.Alejandro	100-116	Exterior	Public Plaza/ Parking South Side	Wheel Stop	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	207	0	mg/cm2	Negative	1	5/10/23	12:00:16	R.Alejandro	100-116	Exterior	Public Plaza/ Parking South Side	Wheel Stop	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	208	0	mg/cm2	Negative	1	5/10/23	12:00:28	R.Alejandro	100-116	Exterior	Public Plaza/ Parking South Side	Wheel Stop	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	209	0.2	mg/cm2	Negative	1	5/10/23	12:00:46	R.Alejandro	100-116	Exterior	Public Plaza/ Parking South Side	Wheel Stop	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	210	0.2	mg/cm2	Negative	1	5/10/23	12:02:45	R.Alejandro	100-116	Exterior	Public Plaza/ Parking South Side	Floor	Concrete	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	211	0	mg/cm2	Negative	1	5/10/23	12:03:01	R.Alejandro	100-116	Exterior	Public Plaza/ Parking South Side	Floor	Concrete	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	212	0.1	mg/cm2	Negative	1	5/10/23	12:03:22	R.Alejandro	100-116	Exterior	Public Plaza/ Parking South Side	Floor	Concrete	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	213	0.9	mg/cm2	Negative	1	5/10/23	12:04:54	R.Alejandro	100-116	Exterior	South Sidewalk Area/ Eugenio Sanchez Lopez Street	Electric Pole	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	214	0	mg/cm2	Negative	1	5/10/23	12:05:35	R.Alejandro	100-116	Exterior	South Sidewalk Area/ Eugenio Sanchez Lopez Street	Electric Pole	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	215	0	mg/cm2	Negative	1	5/10/23	12:05:55	R.Alejandro	100-116	Exterior	South Sidewalk Area/ Eugenio Sanchez Lopez Street	Electric Pole	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	216	0.1	mg/cm2	Negative	1	5/10/23	12:13:44	R.Alejandro	100-116	Exterior	South Sidewalk Area/ Eugenio Sanchez Lopez Street	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	217	0.1	mg/cm2	Negative	1	5/10/23	12:13:57	R.Alejandro	100-116	Exterior	South Sidewalk Area/ Eugenio Sanchez Lopez Street	Curb	Concrete	-	White	Intact	-

Plaza Pública Gurabo y Mejoras a sus Aceras colindantes XRF SHEET

Company	**Viken Detection**
Model	Pb200i
Type	XRF Lead Paint Analyzer
Serial Num.	2703
App Version	Pb200i-5.2.0

Job Id	Reading #	Concentration	Units	Result	Level	Date	Time	Inspector	Job	Room	Structure	Component	Substrate	Wall	Color	Condition	Approx. Qty.
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	218	0.1	mg/cm2	Negative	1	5/10/23	12:14:10	R.Alejandro	100-116	Exterior	South Sidewalk Area/ Eugenio Sanchez Lopez Street	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	219	0.1	mg/cm2	Negative	1	5/10/23	12:14:23	R.Alejandro	100-116	Exterior	South Sidewalk Area/ Eugenio Sanchez Lopez Street	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	220	0.3	mg/cm2	Negative	1	5/10/23	12:14:38	R.Alejandro	100-116	Exterior	South Sidewalk Area/ Eugenio Sanchez Lopez Street	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	221	0	mg/cm2	Negative	1	5/10/23	12:14:52	R.Alejandro	100-116	Exterior	South Sidewalk Area/ Eugenio Sanchez Lopez Street	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	222	0.2	mg/cm2	Negative	1	5/10/23	12:15:11	R.Alejandro	100-116	Exterior	South Sidewalk Area/ Eugenio Sanchez Lopez Street	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	223	0.1	mg/cm2	Negative	1	5/10/23	12:15:25	R.Alejandro	100-116	Exterior	South Sidewalk Area/ Eugenio Sanchez Lopez Street	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	224	0.2	mg/cm2	Negative	1	5/10/23	12:16:43	R.Alejandro	100-116	Exterior	South Sidewalk Area/ Eugenio Sanchez Lopez Street	Floor Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	225	0	mg/cm2	Negative	1	5/10/23	12:18:54	R.Alejandro	100-116	Exterior	South Sidewalk Area/ Eugenio Sanchez Lopez Street	Wheel Stop	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	226	0.2	mg/cm2	Negative	1	5/10/23	12:19:28	R.Alejandro	100-116	Exterior	South Sidewalk Area/ Eugenio Sanchez Lopez Street	Wheel Stop	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	227	0	mg/cm2	Negative	1	5/10/23	12:19:44	R.Alejandro	100-116	Exterior	South Sidewalk Area/ Eugenio Sanchez Lopez Street	Wheel Stop	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	228	0	mg/cm2	Negative	1	5/10/23	12:20:01	R.Alejandro	100-116	Exterior	South Sidewalk Area/ Eugenio Sanchez Lopez Street	Wheel Stop	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	229	0	mg/cm2	Negative	1	5/10/23	12:20:20	R.Alejandro	100-116	Exterior	South Sidewalk Area/ Eugenio Sanchez Lopez Street	Wheel Stop	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	230	0.1	mg/cm2	Negative	1	5/10/23	12:21:01	R.Alejandro	100-116	Exterior	South Sidewalk Area/ Eugenio Sanchez Lopez Street	Floor Mark	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	231	0	mg/cm2	Negative	1	5/10/23	12:21:24	R.Alejandro	100-116	Exterior	South Sidewalk Area/ Eugenio Sanchez Lopez Street	Floor Mark	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	232	0	mg/cm2	Negative	1	5/10/23	12:21:39	R.Alejandro	100-116	Exterior	South Sidewalk Area/ Eugenio Sanchez Lopez Street	Floor Mark	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	233	0	mg/cm2	Negative	1	5/10/23	12:22:06	R.Alejandro	100-116	Exterior	South Sidewalk Area/ Eugenio Sanchez Lopez Street	Floor Mark	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	234	0.2	mg/cm2	Negative	1	5/10/23	12:22:24	R.Alejandro	100-116	Exterior	South Sidewalk Area/ Eugenio Sanchez Lopez Street	Floor Mark	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	235	0.2	mg/cm2	Negative	1	5/10/23	12:22:39	R.Alejandro	100-116	Exterior	South Sidewalk Area/ Eugenio Sanchez Lopez Street	Floor Mark	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	236	0.2	mg/cm2	Negative	1	5/10/23	12:23:17	R.Alejandro	100-116	Exterior	South Sidewalk Area/ Eugenio Sanchez Lopez Street	Floor Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	237	0.1	mg/cm2	Negative	1	5/10/23	12:24:43	R.Alejandro	100-116	Exterior	South Sidewalk Area/ Eugenio Sanchez Lopez Street	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	238	0.1	mg/cm2	Negative	1	5/10/23	12:24:57	R.Alejandro	100-116	Exterior	South Sidewalk Area/ Eugenio Sanchez Lopez Street	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	239	0.1	mg/cm2	Negative	1	5/10/23	12:28:19	R.Alejandro	100-116	Exterior	Calibration	-	-	-		-	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	240	1	mg/cm2	Positive	1	5/10/23	12:28:46	R.Alejandro	100-116	Exterior	Calibration	-	-	-		-	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	241	0.1	mg/cm2	Negative	1	5/10/23	12:29:40	R.Alejandro	100-116	Exterior	Calibration	-	-	-		-	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	333	0.1	mg/cm2	Negative	1	5/10/23	14:12:04	R.Alejandro	100-116	Exterior	Calibration	-	-	-		-	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	334	0.1	mg/cm2	Negative	1	5/10/23	14:12:52	R.Alejandro	100-116	Exterior	Calibration	-	-	-		-	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	335	1	mg/cm2	Positive	1	5/10/23	14:14:18	R.Alejandro	100-116	Exterior	Calibration	-	-	-		-	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	336	0	mg/cm2	Negative	1	5/10/23	14:16:24	R.Alejandro	100-116	Exterior	West Sidewalk Area/ PR-943 Street	Floor Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	337	0.1	mg/cm2	Negative	1	5/10/23	14:18:52	R.Alejandro	100-116	Exterior	West Sidewalk Area/ PR-943 Street	Floor Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	338	0.1	mg/cm2	Negative	1	5/10/23	14:19:01	R.Alejandro	100-116	Exterior	West Sidewalk Area/ PR-943 Street	Floor Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	339	0	mg/cm2	Negative	1	5/10/23	14:19:29	R.Alejandro	100-116	Exterior	West Sidewalk Area/ PR-943 Street	Curb	Concrete	-	White	Intact	-

Plaza Pública Gurabo y Mejoras a sus Aceras colindantes XRF SHEET

Company	**Viken Detection**
Model	Pb200i
Type	XRF Lead Paint Analyzer
Serial Num.	2703
App Version	Pb200i-5.2.0

Job Id	Reading #	Concentration	Units	Result	Level	Date	Time	Inspector	Job	Room	Structure	Component	Substrate	Wall	Color	Condition	Approx. Qty.
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	340	0	mg/cm2	Negative	1	5/10/23	14:19:48	R.Alejandro	100-116	Exterior	West Sidewalk Area/ PR-943 Street	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	341	0.1	mg/cm2	Negative	1	5/10/23	14:20:08	R.Alejandro	100-116	Exterior	West Sidewalk Area/ PR-943 Street	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	342	0.2	mg/cm2	Negative	1	5/10/23	14:20:25	R.Alejandro	100-116	Exterior	West Sidewalk Area/ PR-943 Street	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	343	0.1	mg/cm2	Negative	1	5/10/23	14:20:44	R.Alejandro	100-116	Exterior	West Sidewalk Area/ PR-943 Street	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	344	0.1	mg/cm2	Negative	1	5/10/23	14:21:03	R.Alejandro	100-116	Exterior	West Sidewalk Area/ PR-943 Street	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	345	0.2	mg/cm2	Negative	1	5/10/23	14:21:13	R.Alejandro	100-116	Exterior	West Sidewalk Area/ PR-943 Street	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	346	0	mg/cm2	Negative	1	5/10/23	14:21:31	R.Alejandro	100-116	Exterior	West Sidewalk Area/ PR-943 Street	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	347	0	mg/cm2	Negative	1	5/10/23	14:21:53	R.Alejandro	100-116	Exterior	West Sidewalk Area/ PR-943 Street	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	348	0	mg/cm2	Negative	1	5/10/23	14:23:04	R.Alejandro	100-116	Exterior	West Sidewalk Area/ PR-943 Street	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	349	0.1	mg/cm2	Negative	1	5/10/23	14:23:26	R.Alejandro	100-116	Exterior	West Sidewalk Area/ PR-943 Street	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	350	0	mg/cm2	Negative	1	5/10/23	14:33:20	R.Alejandro	100-116	Exterior	Public Plaza/ Parking West Side	Wheel Stop	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	351	0	mg/cm2	Negative	1	5/10/23	14:33:29	R.Alejandro	100-116	Exterior	Public Plaza/ Parking West Side	Wheel Stop	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	352	0	mg/cm2	Negative	1	5/10/23	14:33:38	R.Alejandro	100-116	Exterior	Public Plaza/ Parking West Side	Floor Mark	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	353	0	mg/cm2	Negative	1	5/10/23	14:33:48	R.Alejandro	100-116	Exterior	Public Plaza/ Parking West Side	Floor Mark	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	354	0	mg/cm2	Negative	1	5/10/23	14:33:56	R.Alejandro	100-116	Exterior	Public Plaza/ Parking West Side	Floor	Concrete	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	355	0	mg/cm2	Negative	1	5/10/23	14:34:04	R.Alejandro	100-116	Exterior	Public Plaza/ Parking West Side	Floor	Concrete	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	356	0	mg/cm2	Negative	1	5/10/23	14:34:13	R.Alejandro	100-116	Exterior	West Sidewalk Area/ PR-943 Street	Curb	Concrete	-	White	Intact	Duplicate
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	357	0	mg/cm2	Negative	1	5/10/23	14:34:21	R.Alejandro	100-116	Exterior	West Sidewalk Area/ PR-943 Street	Curb	Concrete	-	White	Intact	Duplicate
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	358	0	mg/cm2	Negative	1	5/10/23	14:34:30	R.Alejandro	100-116	Exterior	West Sidewalk Area/ PR-943 Street	Curb	Concrete	-	White	Intact	Duplicate
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	359	0	mg/cm2	Negative	1	5/10/23	14:34:37	R.Alejandro	100-116	Exterior	West Sidewalk Area/ PR-943 Street	Curb	Concrete	-	White	Intact	Duplicate
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	360	0	mg/cm2	Negative	1	5/10/23	14:34:53	R.Alejandro	100-116	Exterior	Public Plaza/ Parking West Side	Wheel Stop	Concrete	-	White	Intact	Duplicate
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	361	0	mg/cm2	Negative	1	5/10/23	14:35:00	R.Alejandro	100-116	Exterior	Public Plaza/ Parking West Side	Wheel Stop	Concrete	-	White	Intact	Duplicate
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	362	0	mg/cm2	Negative	1	5/10/23	14:35:09	R.Alejandro	100-116	Exterior	Public Plaza/ Parking West Side	Floor Mark	Concrete	-	White	Intact	Duplicate
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	363	0	mg/cm2	Negative	1	5/10/23	14:35:20	R.Alejandro	100-116	Exterior	Public Plaza/ Parking West Side	Floor Mark	Concrete	-	White	Intact	Duplicate
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	364	0	mg/cm2	Negative	1	5/10/23	14:35:30	R.Alejandro	100-116	Exterior	Public Plaza/ Parking West Side	Floor	Concrete	-	Brown	Intact	Duplicate
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	365	0	mg/cm2	Negative	1	5/10/23	14:35:39	R.Alejandro	100-116	Exterior	Public Plaza/ Parking West Side	Floor	Concrete	-	Brown	Intact	Duplicate
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	366	1.1	mg/cm2	Positive	1	5/10/23	14:38:05	R.Alejandro	100-116	Exterior	Calibration	-	-	-	-	-	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	367	1	mg/cm2	Positive	1	5/10/23	14:38:24	R.Alejandro	100-116	Exterior	Calibration	-	-	-	-	-	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	368	1	mg/cm2	Positive	1	5/10/23	14:39:12	R.Alejandro	100-116	Exterior	Calibration	-	-	-	-	-	-

Plaza Pública Gurabo y Mejoras a sus Aceras colindantes XRF SHEET

Company	**Viken Detection**
Model	Pb200i
Type	XRF Lead Paint Analyzer
Serial Num.	2703
App Version	Pb200i-5.2.0

Job Id	Reading #	Concentration	Units	Result	Level	Date	Time	Inspector	Job	Room	Structure	Component	Substrate	Wall	Color	Condition	Approx. Qty.
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	1	0.9	mg/cm2	Negative	1	5/11/2023	8:07:28	R.Alejandro	100-116	Exterior	Calibration	-	-	-	-	-	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	2	1.1	mg/cm2	Positive	1	5/11/2023	8:07:43	R.Alejandro	100-116	Exterior	Calibration	-	-	-	-	-	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	3	0.9	mg/cm2	Negative	1	5/11/2023	8:07:57	R.Alejandro	100-116	Exterior	Calibration	-	-	-	-	-	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	4	0.7	mg/cm2	Negative	1	5/11/2023	8:32:41	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	5	0.4	mg/cm2	Negative	1	5/11/2023	8:33:10	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	6	0.9	mg/cm2	Negative	1	5/11/2023	8:33:23	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	7	0.2	mg/cm2	Negative	1	5/11/2023	8:34:04	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	8	0.3	mg/cm2	Negative	1	5/11/2023	8:34:20	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	9	0	mg/cm2	Negative	1	5/11/2023	8:34:35	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	10	0	mg/cm2	Negative	1	5/11/2023	8:35:06	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	11	0.9	mg/cm2	Negative	1	5/11/2023	8:35:17	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	12	0.3	mg/cm2	Negative	1	5/11/2023	8:35:45	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	13	0.3	mg/cm2	Negative	1	5/11/2023	8:35:59	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	14	0.1	mg/cm2	Negative	1	5/11/2023	8:36:21	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	15	0.5	mg/cm2	Negative	1	5/11/2023	8:36:31	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	16	0.5	mg/cm2	Negative	1	5/11/2023	8:36:58	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	17	0.1	mg/cm2	Negative	1	5/11/2023	8:37:10	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	18	0.2	mg/cm2	Negative	1	5/11/2023	8:37:31	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	19	0.4	mg/cm2	Negative	1	5/11/2023	8:37:43	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	20	0.1	mg/cm2	Negative	1	5/11/2023	8:37:58	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	21	0.1	mg/cm2	Negative	1	5/11/2023	8:38:18	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	22	0	mg/cm2	Negative	1	5/11/2023	8:38:40	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	23	0	mg/cm2	Negative	1	5/11/2023	8:39:06	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	24	0.1	mg/cm2	Negative	1	5/11/2023	8:39:21	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	25	0.1	mg/cm2	Negative	1	5/11/2023	8:39:47	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	26	0	mg/cm2	Negative	1	5/11/2023	8:40:02	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	27	0.1	mg/cm2	Negative	1	5/11/2023	8:40:37	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	28	0	mg/cm2	Negative	1	5/11/2023	8:40:50	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	29	0.2	mg/cm2	Negative	1	5/11/2023	8:41:10	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	Blue	Intact	-

Plaza Pública Gurabo y Mejoras a sus Aceras colindantes XRF SHEET

Company	**Viken Detection**
Model	Pb200i
Type	XRF Lead Paint Analyzer
Serial Num.	2703
App Version	Pb200i-5.2.0

Job Id	Reading #	Concentration	Units	Result	Level	Date	Time	Inspector	Job	Room	Structure	Component	Substrate	Wall	Color	Condition	Approx. Qty.
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	30	0.1	mg/cm2	Negative	1	5/11/2023	8:41:21	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	31	0.1	mg/cm2	Negative	1	5/11/2023	8:42:00	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	32	0.4	mg/cm2	Negative	1	5/11/2023	8:42:15	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	33	0.2	mg/cm2	Negative	1	5/11/2023	8:42:41	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	34	0.7	mg/cm2	Negative	1	5/11/2023	8:42:59	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	35	0.7	mg/cm2	Negative	1	5/11/2023	8:43:24	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	36	0.9	mg/cm2	Negative	1	5/11/2023	8:44:18	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	37	0	mg/cm2	Negative	1	5/11/2023	8:45:10	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	38	0.2	mg/cm2	Negative	1	5/11/2023	8:45:26	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	39	0.9	mg/cm2	Negative	1	5/11/2023	8:45:56	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	40	0.8	mg/cm2	Negative	1	5/11/2023	8:46:14	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	41	0.1	mg/cm2	Negative	1	5/11/2023	8:46:48	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	42	0.4	mg/cm2	Negative	1	5/11/2023	8:47:10	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	43	0.6	mg/cm2	Negative	1	5/11/2023	8:47:42	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	44	0.9	mg/cm2	Negative	1	5/11/2023	8:47:58	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	45	0.6	mg/cm2	Negative	1	5/11/2023	8:48:55	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	46	0.1	mg/cm2	Negative	1	5/11/2023	8:49:30	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	47	0.1	mg/cm2	Negative	1	5/11/2023	8:49:51	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	48	0	mg/cm2	Negative	1	5/11/2023	8:50:20	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	49	0.6	mg/cm2	Negative	1	5/11/2023	8:50:36	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	50	0.5	mg/cm2	Negative	1	5/11/2023	8:50:54	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	51	0	mg/cm2	Negative	1	5/11/2023	8:51:25	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	52	0.1	mg/cm2	Negative	1	5/11/2023	8:51:42	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	53	0.1	mg/cm2	Negative	1	5/11/2023	8:51:59	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	54	0.1	mg/cm2	Negative	1	5/11/2023	8:52:12	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	55	0.3	mg/cm2	Negative	1	5/11/2023	8:52:48	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	56	0.5	mg/cm2	Negative	1	5/11/2023	8:53:07	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	57	0.3	mg/cm2	Negative	1	5/11/2023	8:55:56	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	58	0	mg/cm2	Negative	1	5/11/2023	8:56:07	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Curb	Concrete	-	Yellow	Intact	-

Plaza Pública Gurabo y Mejoras a sus Aceras colindantes XRF SHEET

Company	**Viken Detection**
Model	Pb200i
Type	XRF Lead Paint Analyzer
Serial Num.	2703
App Version	Pb200i-5.2.0

Job Id	Reading #	Concentration	Units	Result	Level	Date	Time	Inspector	Job	Room	Structure	Component	Substrate	Wall	Color	Condition	Approx. Qty.
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	59	0.1	mg/cm2	Negative	1	5/11/2023	8:56:27	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	60	0	mg/cm2	Negative	1	5/11/2023	8:56:47	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	61	0	mg/cm2	Negative	1	5/11/2023	8:57:38	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	62	0	mg/cm2	Negative	1	5/11/2023	8:57:49	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	63	0.3	mg/cm2	Negative	1	5/11/2023	8:58:14	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	64	0.5	mg/cm2	Negative	1	5/11/2023	8:58:23	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	65	0.1	mg/cm2	Negative	1	5/11/2023	8:58:54	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Ramp	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	66	0	mg/cm2	Negative	1	5/11/2023	8:59:08	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Ramp	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	67	0.1	mg/cm2	Negative	1	5/11/2023	9:00:15	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Sidewalk	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	68	0.1	mg/cm2	Negative	1	5/11/2023	9:00:28	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Sidewalk	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	69	0.2	mg/cm2	Negative	1	5/11/2023	9:00:43	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Sidewalk	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	70	0.1	mg/cm2	Negative	1	5/11/2023	9:01:29	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	71	0	mg/cm2	Negative	1	5/11/2023	9:01:43	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	72	0	mg/cm2	Negative	1	5/11/2023	9:02:01	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	73	0.1	mg/cm2	Negative	1	5/11/2023	9:02:16	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	74	0.1	mg/cm2	Negative	1	5/11/2023	9:02:43	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	75	0.4	mg/cm2	Negative	1	5/11/2023	9:02:51	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	76	0.3	mg/cm2	Negative	1	5/11/2023	9:03:29	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	77	0.1	mg/cm2	Negative	1	5/11/2023	9:03:48	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	78	0.8	mg/cm2	Negative	1	5/11/2023	9:04:09	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	79	0.5	mg/cm2	Negative	1	5/11/2023	9:04:34	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	80	0	mg/cm2	Negative	1	5/11/2023	9:05:12	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	81	0.2	mg/cm2	Negative	1	5/11/2023	9:05:38	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	82	0.1	mg/cm2	Negative	1	5/11/2023	9:05:57	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	83	0	mg/cm2	Negative	1	5/11/2023	9:06:35	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	84	0.1	mg/cm2	Negative	1	5/11/2023	9:06:50	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	85	0.5	mg/cm2	Negative	1	5/11/2023	9:07:19	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Curb	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	86	0	mg/cm2	Negative	1	5/11/2023	9:07:36	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Curb	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	87	0.2	mg/cm2	Negative	1	5/11/2023	9:08:16	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Ramp	Concrete	-	Blue	Intact	-

Plaza Pública Gurabo y Mejoras a sus Aceras colindantes XRF SHEET

Company	**Viken Detection**
Model	Pb200i
Type	XRF Lead Paint Analyzer
Serial Num.	2703
App Version	Pb200i-5.2.0

Job Id	Reading #	Concentration	Units	Result	Level	Date	Time	Inspector	Job	Room	Structure	Component	Substrate	Wall	Color	Condition	Approx. Qty.
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	88	0.1	mg/cm2	Negative	1	5/11/2023	9:08:25	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	89	0.6	mg/cm2	Negative	1	5/11/2023	9:08:58	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	90	0	mg/cm2	Negative	1	5/11/2023	9:09:20	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	91	0.2	mg/cm2	Negative	1	5/11/2023	9:10:02	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	92	0.2	mg/cm2	Negative	1	5/11/2023	9:10:14	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	93	0	mg/cm2	Negative	1	5/11/2023	9:10:32	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	94	0.1	mg/cm2	Negative	1	5/11/2023	9:11:27	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	95	0.5	mg/cm2	Negative	1	5/11/2023	9:12:01	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	96	0	mg/cm2	Negative	1	5/11/2023	9:12:30	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	97	0.2	mg/cm2	Negative	1	5/11/2023	9:12:49	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	98	0	mg/cm2	Negative	1	5/11/2023	9:13:07	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	99	0	mg/cm2	Negative	1	5/11/2023	9:13:32	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	100	0.1	mg/cm2	Negative	1	5/11/2023	9:14:36	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	101	0.1	mg/cm2	Negative	1	5/11/2023	9:15:44	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	102	0	mg/cm2	Negative	1	5/11/2023	9:15:56	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	103	0.1	mg/cm2	Negative	1	5/11/2023	9:16:23	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	104	0.1	mg/cm2	Negative	1	5/11/2023	9:16:32	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	105	0	mg/cm2	Negative	1	5/11/2023	9:16:49	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	106	0	mg/cm2	Negative	1	5/11/2023	9:17:08	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	107	0	mg/cm2	Negative	1	5/11/2023	9:17:22	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	108	1	mg/cm2	Positive	1	5/11/2023	9:43:05	R.Alejandro	-	-	Calibration	-	-	-	-	-	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	109	1.1	mg/cm2	Positive	1	5/11/2023	9:43:20	R.Alejandro	-	-	Calibration	-	-	-	-	-	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	110	1.1	mg/cm2	Positive	1	5/11/2023	9:43:34	R.Alejandro	-	-	Calibration	-	-	-	-	-	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	111	0.1	mg/cm2	Negative	1	5/11/2023	9:44:52	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Ramp	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	112	0.1	mg/cm2	Negative	1	5/11/2023	9:45:03	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Ramp	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	113	0	mg/cm2	Negative	1	5/11/2023	9:45:28	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	114	0.1	mg/cm2	Negative	1	5/11/2023	9:46:26	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	115	0.1	mg/cm2	Negative	1	5/11/2023	9:46:46	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	116	0.2	mg/cm2	Negative	1	5/11/2023	9:47:11	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	Yellow	Intact	-

Plaza Pública Gurabo y Mejoras a sus Aceras colindantes XRF SHEET

Company	**Viken Detection**
Model	Pb200i
Type	XRF Lead Paint Analyzer
Serial Num.	2703
App Version	Pb200i-5.2.0

Job Id	Reading #	Concentration	Units	Result	Level	Date	Time	Inspector	Job	Room	Structure	Component	Substrate	Wall	Color	Condition	Approx. Qty.
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	117	0.8	mg/cm2	Negative	1	5/11/2023	9:47:31	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	118	0.9	mg/cm2	Negative	1	5/11/2023	9:48:05	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	119	0.2	mg/cm2	Negative	1	5/11/2023	9:48:22	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	120	0.1	mg/cm2	Negative	1	5/11/2023	9:49:33	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	121	0.1	mg/cm2	Negative	1	5/11/2023	9:49:51	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	122	0.2	mg/cm2	Negative	1	5/11/2023	9:50:45	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	123	0.2	mg/cm2	Negative	1	5/11/2023	9:51:16	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	124	0.1	mg/cm2	Negative	1	5/11/2023	9:51:44	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	125	0.5	mg/cm2	Negative	1	5/11/2023	9:52:14	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	126	0.8	mg/cm2	Negative	1	5/11/2023	9:52:23	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	127	0.4	mg/cm2	Negative	1	5/11/2023	9:52:44	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	128	0.1	mg/cm2	Negative	1	5/11/2023	9:53:22	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	129	0.7	mg/cm2	Negative	1	5/11/2023	9:53:45	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	130	0.6	mg/cm2	Negative	1	5/11/2023	9:54:47	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	131	0	mg/cm2	Negative	1	5/11/2023	9:55:21	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	132	0.9	mg/cm2	Negative	1	5/11/2023	9:55:59	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	133	0.8	mg/cm2	Negative	1	5/11/2023	9:56:14	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	134	0.9	mg/cm2	Negative	1	5/11/2023	9:57:11	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	135	0.1	mg/cm2	Negative	1	5/11/2023	9:57:30	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	136	0.2	mg/cm2	Negative	1	5/11/2023	9:57:58	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	137	0	mg/cm2	Negative	1	5/11/2023	9:58:20	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	138	0.1	mg/cm2	Negative	1	5/11/2023	9:58:49	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	139	0.1	mg/cm2	Negative	1	5/11/2023	9:59:03	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	140	0.1	mg/cm2	Negative	1	5/11/2023	9:59:14	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	141	0	mg/cm2	Negative	1	5/11/2023	9:59:30	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	142	0.3	mg/cm2	Negative	1	5/11/2023	10:00:27	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	143	0	mg/cm2	Negative	1	5/11/2023	10:00:46	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	144	0	mg/cm2	Negative	1	5/11/2023	10:01:02	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	145	0.2	mg/cm2	Negative	1	5/11/2023	10:01:30	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	Yellow	Intact	-

Plaza Pública Gurabo y Mejoras a sus Aceras colindantes XRF SHEET

Company	**Viken Detection**
Model	Pb200i
Type	XRF Lead Paint Analyzer
Serial Num.	2703
App Version	Pb200i-5.2.0

Job Id	Reading #	Concentration	Units	Result	Level	Date	Time	Inspector	Job	Room	Structure	Component	Substrate	Wall	Color	Condition	Approx. Qty.
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	146	2.8	mg/cm2	Positive	1	5/11/2023	10:01:47	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	Yellow	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	147	3.6	mg/cm2	Positive	1	5/11/2023	10:02:05	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	Yellow	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	148	2.7	mg/cm2	Positive	1	5/11/2023	10:02:26	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	Yellow	Intact	150 Lf.
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	149	2.6	mg/cm2	Positive	1	5/11/2023	10:02:57	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	Yellow	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	150	2.3	mg/cm2	Positive	1	5/11/2023	10:03:17	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	Yellow	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	151	0.1	mg/cm2	Negative	1	5/11/2023	10:03:40	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	152	0.3	mg/cm2	Negative	1	5/11/2023	10:03:54	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	153	0.1	mg/cm2	Negative	1	5/11/2023	10:04:13	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	154	0	mg/cm2	Negative	1	5/11/2023	10:04:32	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	155	0.2	mg/cm2	Negative	1	5/11/2023	10:08:05	R.Alejandro	100-116	Exterior	PR-189/ West to East	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	156	0.1	mg/cm2	Negative	1	5/11/2023	10:08:23	R.Alejandro	100-116	Exterior	PR-189/ West to East	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	157	0.1	mg/cm2	Negative	1	5/11/2023	10:08:44	R.Alejandro	100-116	Exterior	PR-189/ West to East	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	158	0	mg/cm2	Negative	1	5/11/2023	10:09:37	R.Alejandro	100-116	Exterior	PR-189/ West to East	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	159	0	mg/cm2	Negative	1	5/11/2023	10:09:45	R.Alejandro	100-116	Exterior	PR-189/ West to East	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	160	0	mg/cm2	Negative	1	5/11/2023	10:10:08	R.Alejandro	100-116	Exterior	PR-189/ West to East	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	161	0.5	mg/cm2	Negative	1	5/11/2023	10:10:16	R.Alejandro	100-116	Exterior	PR-189/ West to East	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	162	0	mg/cm2	Negative	1	5/11/2023	10:10:57	R.Alejandro	100-116	Exterior	PR-189/ West to East	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	163	0.1	mg/cm2	Negative	1	5/11/2023	10:11:11	R.Alejandro	100-116	Exterior	PR-189/ West to East	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	164	0.1	mg/cm2	Negative	1	5/11/2023	10:11:26	R.Alejandro	100-116	Exterior	PR-189/ West to East	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	165	0.1	mg/cm2	Negative	1	5/11/2023	10:11:42	R.Alejandro	100-116	Exterior	PR-189/ West to East	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	166	0.1	mg/cm2	Negative	1	5/11/2023	10:12:21	R.Alejandro	100-116	Exterior	PR-189/ West to East	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	167	1.3	mg/cm2	Positive	1	5/11/2023	10:12:37	R.Alejandro	100-116	Exterior	PR-189/ West to East	Curb	Concrete	-	Yellow	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	168	1.5	mg/cm2	Positive	1	5/11/2023	10:12:55	R.Alejandro	100-116	Exterior	PR-189/ West to East	Curb	Concrete	-	Yellow	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	169	1.4	mg/cm2	Positive	1	5/11/2023	10:13:17	R.Alejandro	100-116	Exterior	PR-189/ West to East	Curb	Concrete	-	Yellow	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	170	2.3	mg/cm2	Positive	1	5/11/2023	10:13:32	R.Alejandro	100-116	Exterior	PR-189/ West to East	Curb	Concrete	-	Yellow	Intact	100 lf
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	171	2.2	mg/cm2	Positive	1	5/11/2023	10:13:46	R.Alejandro	100-116	Exterior	PR-189/ West to East	Curb	Concrete	-	Yellow	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	172	1.4	mg/cm2	Positive	1	5/11/2023	10:14:00	R.Alejandro	100-116	Exterior	PR-189/ West to East	Curb	Concrete	-	Yellow	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	173	0	mg/cm2	Negative	1	5/11/2023	10:16:55	R.Alejandro	100-116	Exterior	PR-189/ West to East	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	174	0.4	mg/cm2	Negative	1	5/11/2023	10:17:11	R.Alejandro	100-116	Exterior	PR-189/ West to East	Curb	Concrete	-	Yellow	Intact	-

Plaza Pública Gurabo y Mejoras a sus Aceras colindantes XRF SHEET

Company	**Viken Detection**
Model	Pb200i
Type	XRF Lead Paint Analyzer
Serial Num.	2703
App Version	Pb200i-5.2.0

Job Id	Reading #	Concentration	Units	Result	Level	Date	Time	Inspector	Job	Room	Structure	Component	Substrate	Wall	Color	Condition	Approx. Qty.
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	175	0	mg/cm2	Negative	1	5/11/2023	10:17:25	R.Alejandro	100-116	Exterior	PR-189/ West to East	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	176	0	mg/cm2	Negative	1	5/11/2023	10:17:34	R.Alejandro	100-116	Exterior	PR-189/ West to East	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	177	0.2	mg/cm2	Negative	1	5/11/2023	10:17:51	R.Alejandro	100-116	Exterior	PR-189/ West to East	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	178	0.2	mg/cm2	Negative	1	5/11/2023	10:18:12	R.Alejandro	100-116	Exterior	PR-189/ West to East	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	179	0.2	mg/cm2	Negative	1	5/11/2023	10:18:43	R.Alejandro	100-116	Exterior	PR-189/ West to East	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	180	0.1	mg/cm2	Negative	1	5/11/2023	10:19:19	R.Alejandro	100-116	Exterior	PR-189/ West to East	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	181	0	mg/cm2	Negative	1	5/11/2023	10:19:38	R.Alejandro	100-116	Exterior	PR-189/ West to East	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	182	0.1	mg/cm2	Negative	1	5/11/2023	10:19:55	R.Alejandro	100-116	Exterior	PR-189/ West to East	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	183	0.2	mg/cm2	Negative	1	5/11/2023	10:20:22	R.Alejandro	100-116	Exterior	PR-189/ West to East	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	184	0.1	mg/cm2	Negative	1	5/11/2023	10:21:07	R.Alejandro	100-116	Exterior	PR-189/ West to East	Floor Mark	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	185	0.1	mg/cm2	Negative	1	5/11/2023	10:21:26	R.Alejandro	100-116	Exterior	PR-189/ West to East	Floor Mark	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	186	0.2	mg/cm2	Negative	1	5/11/2023	10:21:48	R.Alejandro	100-116	Exterior	PR-189/ West to East	Floor Mark	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	187	0.1	mg/cm2	Negative	1	5/11/2023	10:22:09	R.Alejandro	100-116	Exterior	PR-189/ West to East	Floor Mark	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	188	0	mg/cm2	Negative	1	5/11/2023	10:22:46	R.Alejandro	100-116	Exterior	PR-189/ West to East	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	189	0	mg/cm2	Negative	1	5/11/2023	10:22:56	R.Alejandro	100-116	Exterior	PR-189/ West to East	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	190	0.1	mg/cm2	Negative	1	5/11/2023	10:23:14	R.Alejandro	100-116	Exterior	PR-189/ West to East	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	191	0.2	mg/cm2	Negative	1	5/11/2023	10:23:58	R.Alejandro	100-116	Exterior	PR-189/ West to East	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	192	0	mg/cm2	Negative	1	5/11/2023	10:24:14	R.Alejandro	100-116	Exterior	PR-189/ West to East	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	193	0.1	mg/cm2	Negative	1	5/11/2023	10:24:28	R.Alejandro	100-116	Exterior	PR-189/ West to East	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	194	0.1	mg/cm2	Negative	1	5/11/2023	10:25:14	R.Alejandro	100-116	Exterior	PR-189/ West to East	Floor Mark	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	195	0	mg/cm2	Negative	1	5/11/2023	10:25:25	R.Alejandro	100-116	Exterior	PR-189/ West to East	Floor Mark	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	196	0.2	mg/cm2	Negative	1	5/11/2023	10:26:02	R.Alejandro	100-116	Exterior	PR-189/ West to East	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	197	0	mg/cm2	Negative	1	5/11/2023	10:26:18	R.Alejandro	100-116	Exterior	PR-189/ West to East	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	198	0	mg/cm2	Negative	1	5/11/2023	10:26:45	R.Alejandro	100-116	Exterior	PR-189/ West to East	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	199	0.2	mg/cm2	Negative	1	5/11/2023	10:27:11	R.Alejandro	100-116	Exterior	PR-189/ West to East	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	200	0.4	mg/cm2	Negative	1	5/11/2023	10:27:22	R.Alejandro	100-116	Exterior	PR-189/ West to East	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	201	0.1	mg/cm2	Negative	1	5/11/2023	10:27:36	R.Alejandro	100-116	Exterior	PR-189/ West to East	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	202	0	mg/cm2	Negative	1	5/11/2023	10:27:58	R.Alejandro	100-116	Exterior	PR-189/ West to East	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	203	0.2	mg/cm2	Negative	1	5/11/2023	10:29:46	R.Alejandro	100-116	Exterior	PR-189/ West to East	Ramp	Concrete	-	Yellow	Intact	-

Plaza Pública Gurabo y Mejoras a sus Aceras colindantes XRF SHEET

Company	**Viken Detection**
Model	Pb200i
Type	XRF Lead Paint Analyzer
Serial Num.	2703
App Version	Pb200i-5.2.0

Job Id	Reading #	Concentration	Units	Result	Level	Date	Time	Inspector	Job	Room	Structure	Component	Substrate	Wall	Color	Condition	Approx. Qty.
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	204	0.8	mg/cm2	Negative	1	5/11/2023	10:32:23	R.Alejandro	100-116	Exterior	Eugenio Sanchez Lopez Street/ South East Area	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	205	0.7	mg/cm2	Negative	1	5/11/2023	10:32:35	R.Alejandro	100-116	Exterior	Eugenio Sanchez Lopez Street/ South East Area	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	206	0.4	mg/cm2	Negative	1	5/11/2023	10:33:01	R.Alejandro	100-116	Exterior	Eugenio Sanchez Lopez Street/ South East Area	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	207	0	mg/cm2	Negative	1	5/11/2023	10:33:31	R.Alejandro	100-116	Exterior	Eugenio Sanchez Lopez Street/ South East Area	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	208	0.2	mg/cm2	Negative	1	5/11/2023	10:33:47	R.Alejandro	100-116	Exterior	Eugenio Sanchez Lopez Street/ South East Area	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	209	0.2	mg/cm2	Negative	1	5/11/2023	10:34:32	R.Alejandro	100-116	Exterior	Eugenio Sanchez Lopez Street/ South East Area	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	210	0.1	mg/cm2	Negative	1	5/11/2023	10:34:41	R.Alejandro	100-116	Exterior	Eugenio Sanchez Lopez Street/ South East Area	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	211	0.2	mg/cm2	Negative	1	5/11/2023	10:35:52	R.Alejandro	100-116	Exterior	Eugenio Sanchez Lopez Street/ South East Area	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	212	0.2	mg/cm2	Negative	1	5/11/2023	10:36:02	R.Alejandro	100-116	Exterior	Eugenio Sanchez Lopez Street/ South East Area	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	213	2	mg/cm2	Positive	1	5/11/2023	10:36:49	R.Alejandro	100-116	Exterior	San Jose Street/ South East Area	Curb	Concrete	-	Yellow	Intact	50 lf
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	214	1.9	mg/cm2	Positive	1	5/11/2023	10:37:12	R.Alejandro	100-116	Exterior	San Jose Street/ South East Area	Curb	Concrete	-	Yellow	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	215	2.1	mg/cm2	Positive	1	5/11/2023	10:37:30	R.Alejandro	100-116	Exterior	San Jose Street/ South East Area	Curb	Concrete	-	Yellow	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	216	2.3	mg/cm2	Positive	1	5/11/2023	10:37:45	R.Alejandro	100-116	Exterior	San Jose Street/ South East Area	Curb	Concrete	-	Yellow	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	217	0.1	mg/cm2	Negative	1	5/11/2023	10:38:14	R.Alejandro	100-116	Exterior	San Jose Street/ South East Area	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	218	0.2	mg/cm2	Negative	1	5/11/2023	10:38:25	R.Alejandro	100-116	Exterior	San Jose Street/ South East Area	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	219	0	mg/cm2	Negative	1	5/11/2023	10:40:38	R.Alejandro	100-116	Exterior	San Jose Street/ South East Area	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	220	0.2	mg/cm2	Negative	1	5/11/2023	10:40:51	R.Alejandro	100-116	Exterior	San Jose Street/ South East Area	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	221	0.2	mg/cm2	Negative	1	5/11/2023	10:45:17	R.Alejandro	100-116	Exterior	SR PR-943/ South West Area	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	222	0.3	mg/cm2	Negative	1	5/11/2023	10:45:53	R.Alejandro	100-116	Exterior	SR PR-943/ South West Area	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	223	0.2	mg/cm2	Negative	1	5/11/2023	10:46:08	R.Alejandro	100-116	Exterior	SR PR-943/ South West Area	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	224	0.2	mg/cm2	Negative	1	5/11/2023	10:46:16	R.Alejandro	100-116	Exterior	SR PR-943/ South West Area	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	225	0.2	mg/cm2	Negative	1	5/11/2023	10:46:35	R.Alejandro	100-116	Exterior	SR PR-943/ South West Area	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	226	0.4	mg/cm2	Negative	1	5/11/2023	10:46:45	R.Alejandro	100-116	Exterior	SR PR-943/ South West Area	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	227	0.2	mg/cm2	Negative	1	5/11/2023	10:46:59	R.Alejandro	100-116	Exterior	SR PR-943/ South West Area	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	228	0.9	mg/cm2	Negative	1	5/11/2023	10:47:12	R.Alejandro	100-116	Exterior	SR PR-943/ South West Area	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	229	0.1	mg/cm2	Negative	1	5/11/2023	10:47:36	R.Alejandro	100-116	Exterior	SR PR-943/ South West Area	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	230	0.8	mg/cm2	Negative	1	5/11/2023	10:48:12	R.Alejandro	100-116	Exterior	SR PR-943/ South West Area	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	231	0.1	mg/cm2	Negative	1	5/11/2023	10:48:33	R.Alejandro	100-116	Exterior	SR PR-943/ South West Area	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	232	0	mg/cm2	Negative	1	5/11/2023	10:48:41	R.Alejandro	100-116	Exterior	SR PR-943/ South West Area	Curb	Concrete	-	White	Intact	-

Plaza Pública Gurabo y Mejoras a sus Aceras colindantes XRF SHEET

Company	**Viken Detection**
Model	Pb200i
Type	XRF Lead Paint Analyzer
Serial Num.	2703
App Version	Pb200i-5.2.0

Job Id	Reading #	Concentration	Units	Result	Level	Date	Time	Inspector	Job	Room	Structure	Component	Substrate	Wall	Color	Condition	Approx. Qty.
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	233	0.2	mg/cm2	Negative	1	5/11/2023	10:48:50	R.Alejandro	100-116	Exterior	SR PR-943/ South West Area	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	234	0.1	mg/cm2	Negative	1	5/11/2023	10:49:20	R.Alejandro	100-116	Exterior	SR PR-943/ South West Area	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	235	0	mg/cm2	Negative	1	5/11/2023	10:49:27	R.Alejandro	100-116	Exterior	SR PR-943/ South West Area	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	236	0	mg/cm2	Negative	1	5/11/2023	10:49:33	R.Alejandro	100-116	Exterior	SR PR-943/ South West Area	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	237	2.6	mg/cm2	Positive	1	5/11/2023	10:51:49	R.Alejandro	100-116	Exterior	Eugenio Sanchez Lopez/ South West Area	Curb	Concrete	-	Yellow	Intact	100 lf
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	238	1.8	mg/cm2	Positive	1	5/11/2023	10:52:05	R.Alejandro	100-116	Exterior	Eugenio Sanchez Lopez/ South West Area	Curb	Concrete	-	Yellow	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	239	1.8	mg/cm2	Positive	1	5/11/2023	10:52:23	R.Alejandro	100-116	Exterior	Eugenio Sanchez Lopez/ South West Area	Curb	Concrete	-	Yellow	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	240	2	mg/cm2	Positive	1	5/11/2023	10:52:39	R.Alejandro	100-116	Exterior	Eugenio Sanchez Lopez/ South West Area	Curb	Concrete	-	Yellow	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	241	0	mg/cm2	Negative	1	5/11/2023	10:54:26	R.Alejandro	100-116	Exterior	Eugenio Sanchez Lopez/ South West Area	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	242	0.1	mg/cm2	Negative	1	5/11/2023	10:54:42	R.Alejandro	100-116	Exterior	Eugenio Sanchez Lopez/ South West Area	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	243	0.2	mg/cm2	Negative	1	5/11/2023	10:55:03	R.Alejandro	100-116	Exterior	Eugenio Sanchez Lopez/ South West Area	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	244	0	mg/cm2	Negative	1	5/11/2023	10:55:29	R.Alejandro	100-116	Exterior	Eugenio Sanchez Lopez/ South West Area	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	245	0.1	mg/cm2	Negative	1	5/11/2023	10:55:40	R.Alejandro	100-116	Exterior	Eugenio Sanchez Lopez/ South West Area	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	246	0.8	mg/cm2	Negative	1	5/11/2023	10:56:22	R.Alejandro	100-116	Exterior	Eugenio Sanchez Lopez/ South West Area	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	247	0.3	mg/cm2	Negative	1	5/11/2023	10:56:34	R.Alejandro	100-116	Exterior	Eugenio Sanchez Lopez/ South West Area	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	248	0.2	mg/cm2	Negative	1	5/11/2023	10:56:56	R.Alejandro	100-116	Exterior	Eugenio Sanchez Lopez/ South West Area	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	249	0.1	mg/cm2	Negative	1	5/11/2023	11:01:13	R.Alejandro	100-116	Exterior	Angel Celestino Morales/ North West	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	250	0	mg/cm2	Negative	1	5/11/2023	11:01:35	R.Alejandro	100-116	Exterior	Angel Celestino Morales/ North West	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	251	0.1	mg/cm2	Negative	1	5/11/2023	11:02:22	R.Alejandro	100-116	Exterior	Angel Celestino Morales/ North West	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	252	0	mg/cm2	Negative	1	5/11/2023	11:02:54	R.Alejandro	100-116	Exterior	Angel Celestino Morales/ North West	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	253	0.1	mg/cm2	Negative	1	5/11/2023	11:03:40	R.Alejandro	100-116	Exterior	Angel Celestino Morales/ North West	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	254	0.1	mg/cm2	Negative	1	5/11/2023	11:03:52	R.Alejandro	100-116	Exterior	Angel Celestino Morales/ North West	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	255	0.3	mg/cm2	Negative	1	5/11/2023	11:04:07	R.Alejandro	100-116	Exterior	Angel Celestino Morales/ North West	Curb	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	256	0.6	mg/cm2	Negative	1	5/11/2023	11:04:19	R.Alejandro	100-116	Exterior	Angel Celestino Morales/ North West	Curb	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	257	0	mg/cm2	Negative	1	5/11/2023	11:04:47	R.Alejandro	100-116	Exterior	Angel Celestino Morales/ North West	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	258	0.2	mg/cm2	Negative	1	5/11/2023	11:04:58	R.Alejandro	100-116	Exterior	Angel Celestino Morales/ North West	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	259	0.1	mg/cm2	Negative	1	5/11/2023	11:05:08	R.Alejandro	100-116	Exterior	Angel Celestino Morales/ North West	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	260	0.2	mg/cm2	Negative	1	5/11/2023	11:05:21	R.Alejandro	100-116	Exterior	Angel Celestino Morales/ North West	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	261	0.3	mg/cm2	Negative	1	5/11/2023	11:07:01	R.Alejandro	100-116	Exterior	Steet SR PR-943/ North West	Ramp	Concrete	-	Blue	Intact	-

Plaza Pública Gurabo y Mejoras a sus Aceras colindantes XRF SHEET

Company	**Viken Detection**
Model	Pb200i
Type	XRF Lead Paint Analyzer
Serial Num.	2703
App Version	Pb200i-5.2.0

Job Id	Reading #	Concentration	Units	Result	Level	Date	Time	Inspector	Job	Room	Structure	Component	Substrate	Wall	Color	Condition	Approx. Qty.
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	262	0.8	mg/cm2	Negative	1	5/11/2023	11:07:26	R.Alejandro	100-116	Exterior	Steet SR PR-943/ North West	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	263	0.1	mg/cm2	Negative	1	5/11/2023	11:07:50	R.Alejandro	100-116	Exterior	Steet SR PR-943/ North West	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	264	0.1	mg/cm2	Negative	1	5/11/2023	11:08:10	R.Alejandro	100-116	Exterior	Steet SR PR-943/ North West	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	265	1.8	mg/cm2	Positive	1	5/11/2023	11:08:28	R.Alejandro	100-116	Exterior	Steet SR PR-943/ North West	Curb	Concrete	-	Yellow	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	266	1.4	mg/cm2	Positive	1	5/11/2023	11:08:51	R.Alejandro	100-116	Exterior	Steet SR PR-943/ North West	Curb	Concrete	-	Yellow	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	267	1.3	mg/cm2	Positive	1	5/11/2023	11:09:17	R.Alejandro	100-116	Exterior	Steet SR PR-943/ North West	Curb	Concrete	-	Yellow	Intact	110 lf
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	268	1.4	mg/cm2	Positive	1	5/11/2023	11:09:38	R.Alejandro	100-116	Exterior	Steet SR PR-943/ North West	Curb	Concrete	-	Yellow	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	269	1.5	mg/cm2	Positive	1	5/11/2023	11:09:58	R.Alejandro	100-116	Exterior	Steet SR PR-943/ North West	Curb	Concrete	-	Yellow	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	270	0.1	mg/cm2	Negative	1	5/11/2023	11:10:30	R.Alejandro	100-116	Exterior	Steet SR PR-943/ North West	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	271	0	mg/cm2	Negative	1	5/11/2023	11:10:45	R.Alejandro	100-116	Exterior	Steet SR PR-943/ North West	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	272	0	mg/cm2	Negative	1	5/11/2023	11:11:00	R.Alejandro	100-116	Exterior	Steet SR PR-943/ North West	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	273	0.1	mg/cm2	Negative	1	5/11/2023	11:11:16	R.Alejandro	100-116	Exterior	Steet SR PR-943/ North West	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	274	1.1	mg/cm2	Positive	1	5/11/2023	11:14:29	R.Alejandro	100-116	Exterior	San Jose/ North East	Curb	Concrete	-	Yellow	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	275	1.7	mg/cm2	Positive	1	5/11/2023	11:14:51	R.Alejandro	100-116	Exterior	San Jose/ North East	Curb	Concrete	-	Yellow	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	276	1.1	mg/cm2	Positive	1	5/11/2023	11:15:08	R.Alejandro	100-116	Exterior	San Jose/ North East	Curb	Concrete	-	Yellow	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	277	1.5	mg/cm2	Positive	1	5/11/2023	11:15:29	R.Alejandro	100-116	Exterior	San Jose/ North East	Curb	Concrete	-	Yellow	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	278	2.2	mg/cm2	Positive	1	5/11/2023	11:15:42	R.Alejandro	100-116	Exterior	San Jose/ North East	Curb	Concrete	-	Yellow	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	279	1.5	mg/cm2	Positive	1	5/11/2023	11:15:57	R.Alejandro	100-116	Exterior	San Jose/ North East	Curb	Concrete	-	Yellow	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	280	1.1	mg/cm2	Positive	1	5/11/2023	11:16:11	R.Alejandro	100-116	Exterior	San Jose/ North East	Curb	Concrete	-	Yellow	Intact	150 Lf.
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	281	1.5	mg/cm2	Positive	1	5/11/2023	11:17:06	R.Alejandro	100-116	Exterior	San Jose/ North East	Curb	Concrete	-	Yellow	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	282	2	mg/cm2	Positive	1	5/11/2023	11:17:30	R.Alejandro	100-116	Exterior	San Jose/ North East	Curb	Concrete	-	Yellow	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	283	1.8	mg/cm2	Positive	1	5/11/2023	11:17:49	R.Alejandro	100-116	Exterior	San Jose/ North East	Curb	Concrete	-	Yellow	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	284	2.1	mg/cm2	Positive	1	5/11/2023	11:18:01	R.Alejandro	100-116	Exterior	San Jose/ North East	Curb	Concrete	-	Yellow	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	285	2	mg/cm2	Positive	1	5/11/2023	11:18:21	R.Alejandro	100-116	Exterior	San Jose/ North East	Curb	Concrete	-	Yellow	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	286	0.1	mg/cm2	Negative	1	5/11/2023	11:18:40	R.Alejandro	100-116	Exterior	San Jose/ North East	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	287	0.6	mg/cm2	Negative	1	5/11/2023	11:19:25	R.Alejandro	100-116	Exterior	San Jose/ North East	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	288	0.1	mg/cm2	Negative	1	5/11/2023	11:19:37	R.Alejandro	100-116	Exterior	San Jose/ North East	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	289	0	mg/cm2	Negative	1	5/11/2023	11:19:47	R.Alejandro	100-116	Exterior	San Jose/ North East	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	290	0	mg/cm2	Negative	1	5/11/2023	11:20:20	R.Alejandro	100-116	Exterior	San Jose/ North East	Curb	Concrete	-	White	Intact	-

Plaza Pública Gurabo y Mejoras a sus Aceras colindantes XRF SHEET

Company	**Viken Detection**
Model	Pb200i
Type	XRF Lead Paint Analyzer
Serial Num.	2703
App Version	Pb200i-5.2.0

Job Id	Reading #	Concentration	Units	Result	Level	Date	Time	Inspector	Job	Room	Structure	Component	Substrate	Wall	Color	Condition	Approx. Qty.
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	291	0	mg/cm2	Negative	1	5/11/2023	11:20:41	R.Alejandro	100-116	Exterior	San Jose/ North East	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	292	0	mg/cm2	Negative	1	5/11/2023	11:20:56	R.Alejandro	100-116	Exterior	San Jose/ North East	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	293	0.1	mg/cm2	Negative	1	5/11/2023	11:21:59	R.Alejandro	100-116	Exterior	San Jose/ North East	Sidewalk	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	294	0	mg/cm2	Negative	1	5/11/2023	11:22:11	R.Alejandro	100-116	Exterior	San Jose/ North East	Sidewalk	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	295	0.1	mg/cm2	Negative	1	5/11/2023	11:26:09	R.Alejandro	100-116	Exterior	Street Angel Celestino Morales	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	296	0.9	mg/cm2	Negative	1	5/11/2023	11:26:22	R.Alejandro	100-116	Exterior	Street Angel Celestino Morales	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	297	0.1	mg/cm2	Negative	1	5/11/2023	11:26:47	R.Alejandro	100-116	Exterior	Street Angel Celestino Morales	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	298	0.2	mg/cm2	Negative	1	5/11/2023	11:27:15	R.Alejandro	100-116	Exterior	Street Angel Celestino Morales	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	299	0.2	mg/cm2	Negative	1	5/11/2023	11:28:17	R.Alejandro	100-116	Exterior	Street Angel Celestino Morales	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	300	0.6	mg/cm2	Negative	1	5/11/2023	11:28:44	R.Alejandro	100-116	Exterior	Street Angel Celestino Morales	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	301	0.2	mg/cm2	Negative	1	5/11/2023	11:29:19	R.Alejandro	100-116	Exterior	Street Angel Celestino Morales	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	302	0.1	mg/cm2	Negative	1	5/11/2023	11:29:33	R.Alejandro	100-116	Exterior	Street Angel Celestino Morales	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	303	0.2	mg/cm2	Negative	1	5/11/2023	11:29:49	R.Alejandro	100-116	Exterior	Street Angel Celestino Morales	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	304	0.1	mg/cm2	Negative	1	5/11/2023	11:30:13	R.Alejandro	100-116	Exterior	Street Angel Celestino Morales	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	305	0.2	mg/cm2	Negative	1	5/11/2023	11:30:33	R.Alejandro	100-116	Exterior	Street Angel Celestino Morales	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	306	0.9	mg/cm2	Negative	1	5/11/2023	11:36:41	R.Alejandro	100-116	Exterior	Street Angel Celestino Morales	Curb	Concrete	-	White	Intact	Duplicate
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	307	0.1	mg/cm2	Negative	1	5/11/2023	11:36:51	R.Alejandro	100-116	Exterior	Street Angel Celestino Morales	Curb	Concrete	-	White	Intact	Duplicate
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	308	0.2	mg/cm2	Negative	1	5/11/2023	11:37:18	R.Alejandro	100-116	Exterior	Street Angel Celestino Morales	Curb	Concrete	-	White	Intact	Duplicate
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	309	0.2	mg/cm2	Negative	1	5/11/2023	11:37:25	R.Alejandro	100-116	Exterior	Street Angel Celestino Morales	Curb	Concrete	-	White	Intact	Duplicate
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	310	0.6	mg/cm2	Negative	1	5/11/2023	11:37:32	R.Alejandro	100-116	Exterior	Street Angel Celestino Morales	Curb	Concrete	-	White	Intact	Duplicate
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	311	0.2	mg/cm2	Negative	1	5/11/2023	11:37:40	R.Alejandro	100-116	Exterior	Street Angel Celestino Morales	Curb	Concrete	-	White	Intact	Duplicate
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	312	0.1	mg/cm2	Negative	1	5/11/2023	11:37:47	R.Alejandro	100-116	Exterior	Street Angel Celestino Morales	Curb	Concrete	-	White	Intact	Duplicate
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	313	0.2	mg/cm2	Negative	1	5/11/2023	11:37:54	R.Alejandro	100-116	Exterior	Street Angel Celestino Morales	Curb	Concrete	-	White	Intact	Duplicate
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	314	0.1	mg/cm2	Negative	1	5/11/2023	11:38:00	R.Alejandro	100-116	Exterior	Street Angel Celestino Morales	Curb	Concrete	-	White	Intact	Duplicate
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	315	0.2	mg/cm2	Negative	1	5/11/2023	11:38:07	R.Alejandro	100-116	Exterior	Street Angel Celestino Morales	Curb	Concrete	-	White	Intact	Duplicate
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	316	1	mg/cm2	Positive	1	5/11/2023	11:40:02	R.Alejandro	100-116	Exterior	Calibration	-	-	-	-	-	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	317	1	mg/cm2	Positive	1	5/11/2023	11:40:33	R.Alejandro	100-116	Exterior	Calibration	-	-	-	-	-	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	318	0.9	mg/cm2	Negative	1	5/11/2023	11:41:13	R.Alejandro	100-116	Exterior	Calibration	-	-	-	-	-	-

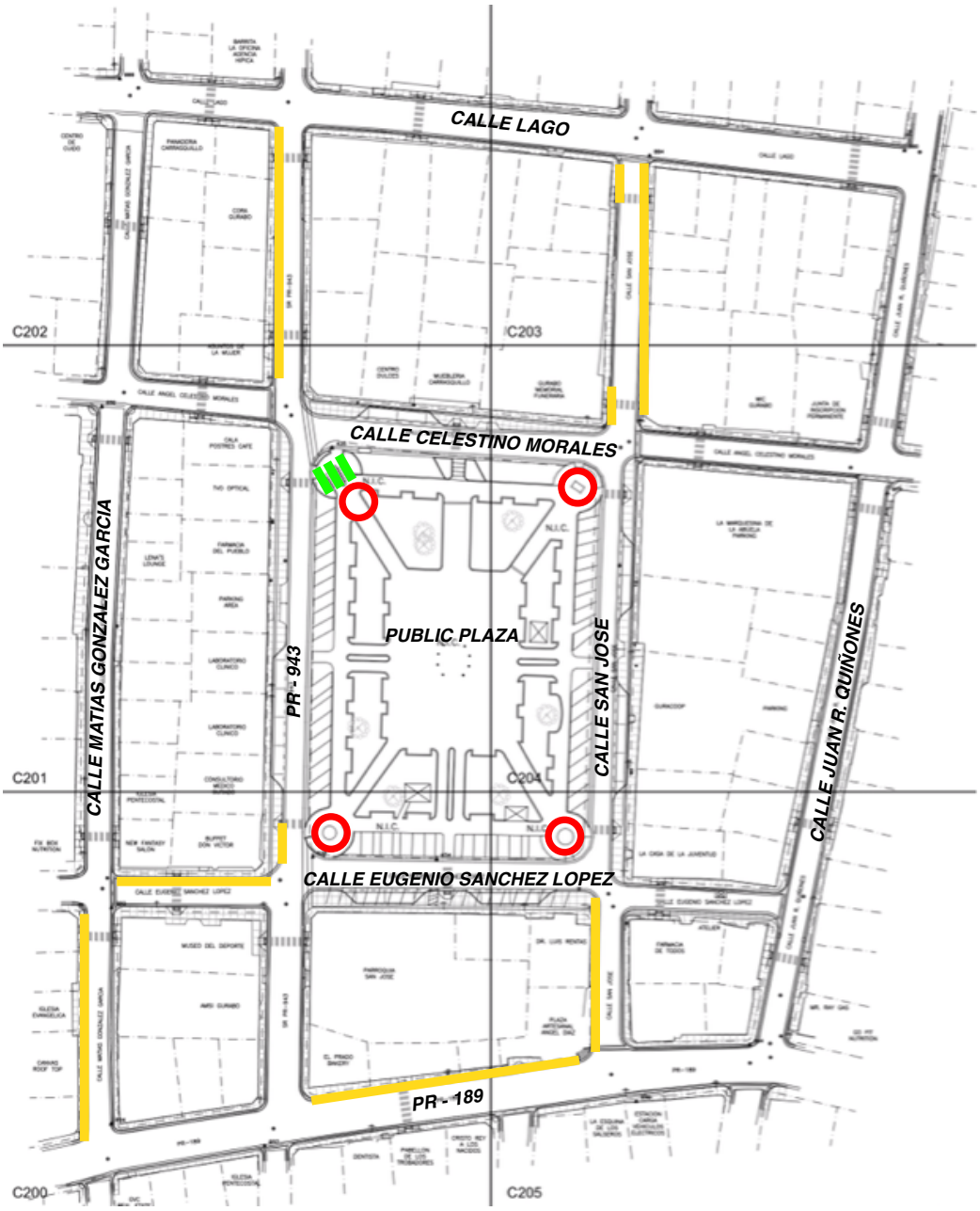
Attachment 5
LBP Diagram



Plaza Pública Gurabo y Mejoras a sus Aceras y Calles colindantes

LBP DIAGRAM

- *POSITIVE BROWN METAL STATUE*
- *POSITIVE BLACK HANDRAIL*
- *POSITIVE YELLOW CONCRETE CURB*



Calle Santiago (N), Gurabo, Puerto Rico 00778

Attachment 6

Representative Pictures\Photograph Log

Ramón E. Alejandro Andaluz
NORTOL. Environmental & Occupational Safety, Inc.

PLAZA PÚBLICA GURABO Y MEJORAS A SUS ACERAS COLINDANTES - **LBP SURVEY PHOTO LOG**

Year of construction not available at the moment of inspection.

Wednesday, May 10, 2023

Prepared For BR&A, LLC

Calle Santiago (N), Gurabo, Puerto Rico 00778

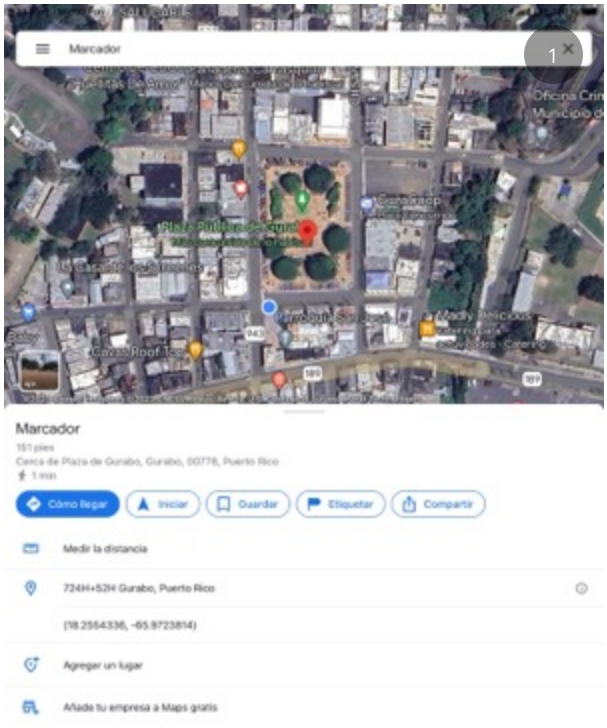


FRONT VIEW:

(18.2554336, -65.9723814)

COORDINATES:

(18.2554336, -65.9723814)







SCOPE OF WORK:

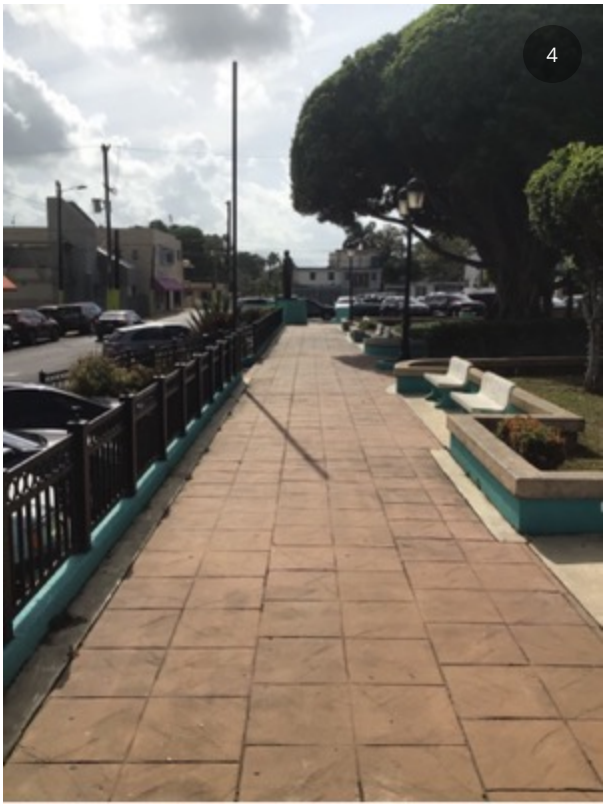
Full inspection A/L.

GENERAL VIEWS: PUBLIC PLAZA






3


4


5


6





GENERAL VIEWS: STREETS






3


4


5


6

GENERAL VIEWS:





GENERAL VIEWS:





LBP DETECTED? PUBLIC PLAZA / NORTH AREA

Due By: Wednesday, May 10, 2023

Exterior, Public Plaza / North Area, Reading #83, #84, #85, black lead-based paint metal handrail, 10.2, 10.2, 10.0 mg/cm2 (Qty. 60 Lf. Approx.)





LBP DETECTED? PUBLIC PLAZA / NORTH AREA / LEFT & RIGHT STATUE / SOUTH AREA / LEFT & RIGHT STATUE

Due By: Wednesday, May 10, 2023

Exterior, Public Plaza / North Area / Left Statue, Reading #188, #189, brown lead-based metal statue, 6.1. 6.7 mg/cm2 (Qty. 1 Unit.)

Exterior, Public Plaza / North Area / Right Statue, Reading #190, #191, brown lead-based metal statue, 3.9, 6.4 mg/cm2 (Qty. 1 Unit.)

Exterior, Public Plaza / South Area / Left Statue, Reading #192, #193, brown lead-based metal statue, 6.5, 5.7 mg/cm2 (Qty. 1 Unit.)

Exterior, Public Plaza / South Area / Right Statue, Reading #194, #195, #196, brown lead-based metal statue, 5.4, 6.2, 6.0 mg/cm2 (Qty. 1 Unit.)





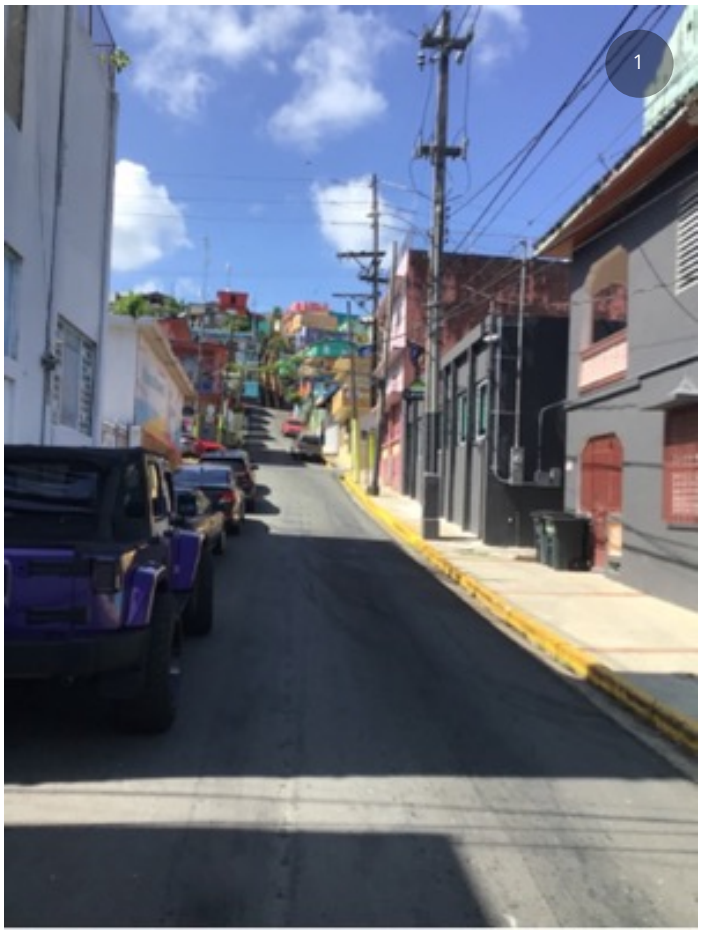

3


4

LBP DETECTED? MATIAS GONZALEZ GARCIA STREET/ NORTH TO SOUTH

Due By: Thursday, May 11, 2023

Exterior, Matias Gonzalez Garcia Street/ North to South, Reading #146, #147, #148, #149, #150, yellow lead-based paint concrete curb, 2.8, 3.6, 2.7, 2.6, 2.3 mg/cm2 (Qty. 150 Lf. Approx.)





LBP DETECTED? PR-189/ WEST TO EAST

Due By: Thursday, May 11, 2023

Exterior, PR-189/ West to East, Reading #167, #168, #169, #170, #171, #172, yellow lead-based paint concrete curb, 1.3, 1.5, 1.4, 2.3, 2.2, 1.4 mg/cm2 (Qty. 100 Lf. Approx.)





LBP DETECTED? SAN JOSE STREET/ SOUTH EAST AREA

Due By: Thursday, May 11, 2023

Exterior, San Jose Street/ South East Area, Reading #213, #214, #215, #216, yellow lead-based paint concrete curb, 2.0, 1.9, 2.1, 2.3 mg/cm2 (Qty. 50 Lf. Approx.)





LBP DETECTED? EUGENIO SANCHEZ LOPEZ/ SOUTH WEST AREA

Due By: Thursday, May 11, 2023

Exterior, Eugenio Sanchez Lopez/ South West Area, Reading #237, #238, #239, #240, yellow lead-based concrete curb, 2.6, 1.8, 1.8, 2.0 mg/cm2 (Qty. 100 Lf. Approx.)





LBP DETECTED? STREET SR PR-943/ NORTH WEST

Due By: Thursday, May 11, 2023

Exterior, Street SR PR-943/ North West, Reading #265, #266, #267, #268, #269, yellow lead-based concrete curb, 1.8, 1.4, 1.3, 1.4, 1.5 mg/cm2 (Qty. 110 Lf. Approx.)





LBP DETECTED? SAN JOSE/ NORTH EAST

Due By: Thursday, May 11, 2023

Exterior, San Jose/ North East, Reading #274 to #285, yellow lead-based concrete curb, 1.1 to 2.2 mg/cm2 (Qty. 150 Lf. Approx.)









Attachment 7

XRF Performance Characteristic Sheet

Performance Characteristic Sheet

EFFECTIVE DATE: **September 1, 2022**

MANUFACTURER AND MODEL:

Make: ***Heuresis***
Models: ***Model Pb200i, Pb200e***
Source: ***^{57}Co, 5 mCi (nominal – new source)***

FIELD OPERATION GUIDANCE

OPERATING PARAMETERS:

Action Level 1.0 mg/cm^2

XRF CALIBRATION CHECK LIMITS:

0.8 to 1.2 mg/cm^2 (inclusive)

SUBSTRATE CORRECTION:

Not applicable

INCONCLUSIVE RANGE OR THRESHOLD:

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

BACKGROUND INFORMATION

EVALUATION DATA SOURCE AND DATE:

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

OPERATING PARAMETERS

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

XRF CALIBRATION CHECK:

The calibration of the XRF instrument should be checked using the paint film nearest 1.0 mg/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 the average (rounded to 1 decimal place) of three readings is outside the acceptable calibration check range, follow the manufacturer's instructions to bring the instrument into control before XRF testing proceeds.

SUBSTRATE CORRECTION VALUE COMPUTATION:

Chapter 7 of the HUD Guidelines provides guidance on correcting XRF results for substrate bias. Supplemental guidance for using the paint film nearest 1.0 mg/cm^2 for substrate correction is provided:

XRF results are corrected for substrate bias by subtracting from each XRF result a correction value determined separately in each house for single-family housing or in each development for multifamily housing, for each substrate. The correction value is an average of XRF readings taken over the NIST SRM paint film nearest to 1.0 mg/cm^2 at test locations that have been scraped bare of their paint covering. Compute the correction values as follows:

> Using the same XRF instrument, take three readings on a bare substrate area covered with the NIST SRM paint film nearest 1 mg/cm^2. Repeat this procedure by taking three more readings on a second bare substrate area of the same substrate covered with the NIST SRM.
>
> Compute the correction value for each substrate type where XRF readings indicate substrate correction is needed by computing the average of all six readings as shown below.
>
> <u>For each substrate type</u> (the 1.02 mg/cm^2 NIST SRM is shown in this example; use the actual lead loading of the NIST SRM used for substrate correction):
>
> Correction value = (1st + 2nd + 3rd + 4th + 5th + 6th *Reading*)/6 - 1.02 mg/cm^2
>
> Repeat this procedure for each substrate requiring substrate correction in the house or housing development.

EVALUATING THE QUALITY OF XRF TESTING:

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

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

Determine if the XRF testing in the units or house passed or failed the test by applying the steps below. Compute the Retest Tolerance Limit by the following steps:

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

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

Square the average for each testing combination.

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

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

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

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

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

Compute the average of all ten original XRF readings.

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

Find the absolute difference of the two averages.

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

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

TESTING TIMES:

In the Action Level paint test mode, the instrument takes the longest time to complete readings close to the Federal standard of 1.0 mg/cm^2. The table below shows the mean and standard deviation of actual reading times by reading level for paint samples during the November 2015 archive testing. The tested instruments reported readings to one decimal place. No significant differences in reading times by substrate were observed. These times apply only to instruments with the same source strength as those tested (2.0 mCi). Instruments with stronger sources will have shorter reading times and those with weaker sources, longer reading times, than those in the table.

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

CLASSIFICATION OF RESULTS:

XRF results are classified as **positive** if they are **greater than or equal** to the stated threshold for the instrument (1.0 mg/cm^2), and *negative* if they are *less than* the threshold.

DOCUMENTATION:

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

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



www.nortolpr.com | info@nortolpr.com | 787.420.0220
PO Box 366457, San Juan, PR 00936-6457

Exhibit 6b: Asbestos and Lead Survey

ASBESTOS-CONTAINING MATERIALS SURVEY

PLAZA PÚBLICA GURABO Y

MEJORAS ACERAS Y CALLES COLINDANTES

Calle Santiago (N), Gurabo, Puerto Rico 00778



Inspection Date: May 10 & 11, 2023

Prepared for: BR&A, LLC

Prepared by: Nortol Environmental & Occupational Safety, Inc.

Inspector:

Ramón Alejandro
Asbestos Inspector
ASB-1122-0451-SI

nortol.
Environmental & Occupational Safety, Inc. Est. 2002

NORTOL *has performed this survey in a thorough and professional manner consistent with commonly accepted industry standards.*

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Table of Contents

Acronyms 3

Introduction 4

Asbestos Survey Report 4

- Survey Protocol
- Sampling Procedures
- Regulatory Review
- Survey Areas – Extent of Survey Coverage
- Findings

Conclusion 7

Attachment 1 – Inspector's Credential

Attachment 2 – Representative Pictures\Photograph Log

Attachment 3 – Certification for Non-Presence Asbestos (PGC-009)

Acronyms

A/C	=	Air Conditioning
ACM	=	Asbestos-containing Material
ACBM	=	Asbestos-containing Building Material
AHERA	=	Asbestos Hazard Emergency Response Act
ASHARA	=	Asbestos School Hazard Abatement and Reauthorization Act
CFR	=	Code of Federal Regulations
CPSC	=	Consumer Product Safety Commission
EPA	=	Environmental Protection Agency
Ft2	=	square feet
HA	=	Homogeneous Area
HUD	=	Department of Housing and Urban Development
LF	=	Linear Feet
mg/cm2	=	milligrams per square centimeter
NESHAP'S	=	National Emission Standards for Hazardous Air Pollutants
NIOSH	=	National Institute for Occupational Safety and Health
OSHA	=	Occupational Safety and Health Administration
PLM	=	Polarized Light Microscopy
PRDOH	=	Puerto Rico Department of Housing
PRDNER	=	Puerto Rico Department of Natural and Environmental Resources
SACM	=	Suspect ACM
SOW	=	Scope of Work
TSI	=	Thermal System Insulation
VFT	=	Vinyl floor tiles

I. INTRODUCTION

As part of the environmental due diligence, this survey is intended to assess the general presence, quantity, and location of suspected asbestos-containing materials (SACM) at *Plaza Pública Gurabo y Mejoras Aceras y Calles Colindantes* located at Calle Santiago (N), Gurabo, P.R.

The SACM survey was conducted on May 10 & 11, 2023, by Mr. Ramón Alejandro (ACM inspector num. ASB-1122-0451-SI) from Nortol. Inspector's credential(s) is included in **Attachment 1.** Nortol's survey areas and report are limited to the details provided in Section II part D.

Nortol did not identify suspect materials within the reference SOW, hence no bulk samples were collected nor sent to the laboratory for analysis. In addition, no suspect material was observed during the visual assessment that needed to be assumed as ACM.

There is concrete, metal, and wood structural components. The floors have terrazzo tiles, are painted or are bare concrete.

II. ASBESTOS SURVEY REPORT

A. Survey Protocol:

This activity was conducted following the latest protocol for assessing materials suspected of containing asbestos as defined by the U.S. Environmental Protection Agency (EPA). It involved a visual walk-through inspection of the accessible areas of the building to develop an inventory of suspect ACM homogeneous materials. During the sampling activities, suspected ACM was touched and observed by the inspector to determine its friability and physical condition. A friable material is defined as a material that when dry, can be crumbled, or reduced to powder by hand pressure. The friability of a material causally relates to the potential of the asbestos fibers to be released. The inspector assessed the suspect ACM according to their physical condition and potential damage.

B. Sampling Procedure:

The technique used for sampling the suspected accessible materials is designed to minimize fiber release and in turn possible contamination of surrounding areas. When apply, representative suspected material samples are collected in accordance with the EPA's AHERA/ASHARA guidelines and procedures presented in the *Guide for Controlling Asbestos Containing Materials in Building (EPA 560-6-85-024, June 1985)* and characterized following the *National Emission Standard for Hazardous Air Pollution (NESHAP)*, subpart M-Asbestos, 40 CFR Part 61-Standard for

Demolition and Renovation. Samples of the homogeneous accessible materials are collected in quantities enough to determine asbestos content, and then placed in airtight bags. The bagged samples are properly collected, labeled, and identified. A Chain of Custody form is completed for collected bulk samples which are analyzed by an independent laboratory using the Polarized Light Microscopy (PLM) method. The laboratory utilizes dispersion staining techniques according to US EPA method 600/M4-82-020 incorporating visual estimates of identified material percentages.

C. Regulatory Review:

According to NESHAP's standards (40 CFR 61.141), Asbestos Containing Building Materials are classified into three categories: Category I - Nonfriable asbestos-containing material (ACM), Category II – other Nonfriable ACM, and Regulated asbestos-containing material (RACM). ACMs are classified into three categories according to EPA-AHERA/ASHARA's standards (40 CFR Part 763): Surfacing material, Thermal System Insulation (TSI) and Miscellaneous material.

Once the inspector has identified the ACM in a building, he or she must perform a physical assessment of TSI and friable material. Under § 763.88 of the AHERA Rule, the physical assessment of ACBM involve classifying the material into one of the following seven Categories: Damaged or significantly damaged TSI ACM; Damaged friable surfacing ACM; Significantly damaged friable surfacing ACM; Damaged or significantly damaged friable miscellaneous ACM; ACBM with potential for damage; ACBM with potential for significant damage; and Any remaining friable ACBM or friable suspected ACBM.

The PRDNER- former Environmental Quality Board (Regulation for the Control of Atmospheric Pollution-Rule 422) enacted in 1995, required all commercial and public building, including industries to identify asbestos containing building materials in their structures and take appropriate actions to control the release of asbestos fiber. Asbestos inspection is part of the permitting application process for any future project in the buildings which may include renovation or demolition activities regulated by the PR State/Municipal Offices. To obtain demolition permits in Puerto Rico is necessary to include a certification (OGP-PGC-009 or equivalent) stating that there is no asbestos containing material in the project.

D. Survey Areas – Extent of Survey Coverage:

The survey included a detailed structure inspection providing a general sense of the overall location, type, quantity, and condition of potential ACMs present. The survey was thorough in the interior or exterior accessible functional spaces, and bulk samples (if applied) are taken from the observed suspect materials. The presence of asbestos in suspect materials (if applied) is assumed or presumed in some cases without bulk samples being collected or analyzed (when

applicable). This is necessary for locations where materials are inaccessible or areas that are unsafe to access (e.g., elevated heights, energized equipment, confined spaces, etc.). For those areas that were not safely accessible, suspect materials observed or presumed to be present (if applied) were documented and assumed as ACMs. The survey did not include destructive, intrusive and/or exploratory testing.

Areas Not Included in Survey and Service Constraints: All professional opinions presented in this report are based on information made available either by review of data provided by others or data gathered by Nortol personnel. Nortol affirms that data gathered and presented by Nortol in this report was collected in an appropriate manner in accordance with accepted methods and practices. Any energized utilities/services, including electricity, water and heat were assumed to be active. Materials associated with these items were determined to not be safely accessible and were not sampled. Suspect ACMs associated with these items should be assumed ACM until the systems can be de-energized and safely sampled. The survey did not include access or inspection of confined spaces or subsurface/underground areas including piping, conduits, building footings and soils (surficial or otherwise).

E. Findings

Nortol did not identify SACM at the reference project, therefore no bulk samples were collected and/or sent to the laboratory for analysis. In addition, no suspect material was observed during the visual assessment that needed to be assumed as ACM.

Representative Pictures\Photograph Log of the project are provided in **Attachment 2** including General Site Plan with SOW. Certification for non-presence of asbestos is provided in **Attachment 3**.

III. CONCLUSION

ACM survey was conducted for the project identified with the header ID. Nortol did not identify SACM at the referenced structure, hence no bulk samples were collected and/or sent to the laboratory for analysis. In addition, no suspect material was observed during the visual assessment that needed to be assumed as ACM.

Any conditions or materials that could not be visually identified or were out-of-the SOW, were not inspected and may differ from those conditions or materials noted. It was not within the scope of the activity to remove surface materials to investigate portions of the structure or materials that may lay beneath the surface. Nortol's selection of sample locations and frequency of sampling was based on Nortol's observations and the assumption that similar materials in the same area are homogeneous in content.

The report is designed to aid the building owner, architect, construction manager, general contractors, and potential asbestos or lead abatement contractors in locating ACM. Under no circumstances is the report to be utilized solely as a bidding document or as a project specification document.

Attachment 1

Inspector's Credential



RAMÓN ALEJANDRO
Puerto Rico
Asbestos Inspector



TARJETA DE REGISTRO
PARA LA REMOCION DE ASBESTO

Esta tarjeta autoriza a:

Ramón E. Alejandro Andaluz

Inspector

A trabajar en la remoción de asbesto en P.R. Esta persona **NO** es un empleado del DRNA.

ASB-1122-0451-SI
Número de Registro

9-nov-2023
Fecha de vencimiento

Firma Autorizada - Departamento Recursos Naturales y Ambientales

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PO Box 366457, San Juan, PR 00936-6457

Attachment 2

Representative Pictures\Photograph Log

Ramón E. Alejandro Andaluz
NORTOL. Environmental & Occupational Safety, Inc.

PLAZA PÚBLICA GURABO Y MEJORAS A SUS ACERAS COLINDANTES - **ACM SURVEY PHOTO LOG**

Year of construction not available at the moment of inspection.

Wednesday, May 10 & 11, 2023

Prepared For BR&A, LLC

Calle Santiago (N), Gurabo, Puerto Rico 00778

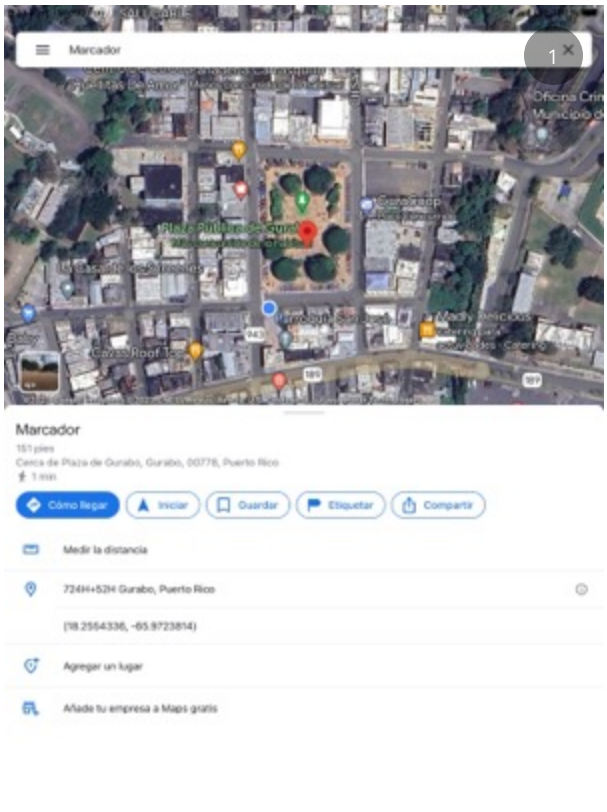


FRONT VIEW:

(18.2554336, -65.9723814)

COORDINATES:

(18.2554336, -65.9723814)





1

SCOPE OF WORK:

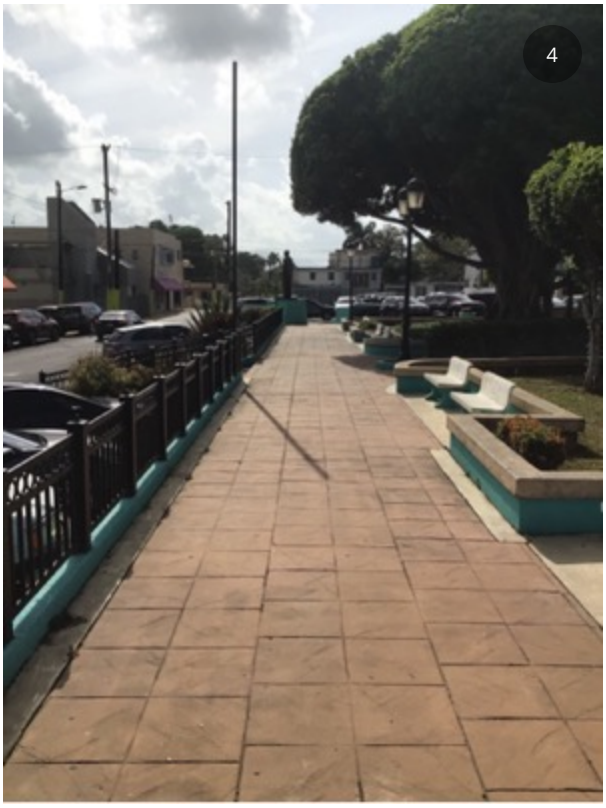
Full inspection A/L.

GENERAL VIEWS: PUBLIC PLAZA






3


4


5


6





GENERAL VIEWS: STREETS






3


4


5


6

GENERAL VIEWS:





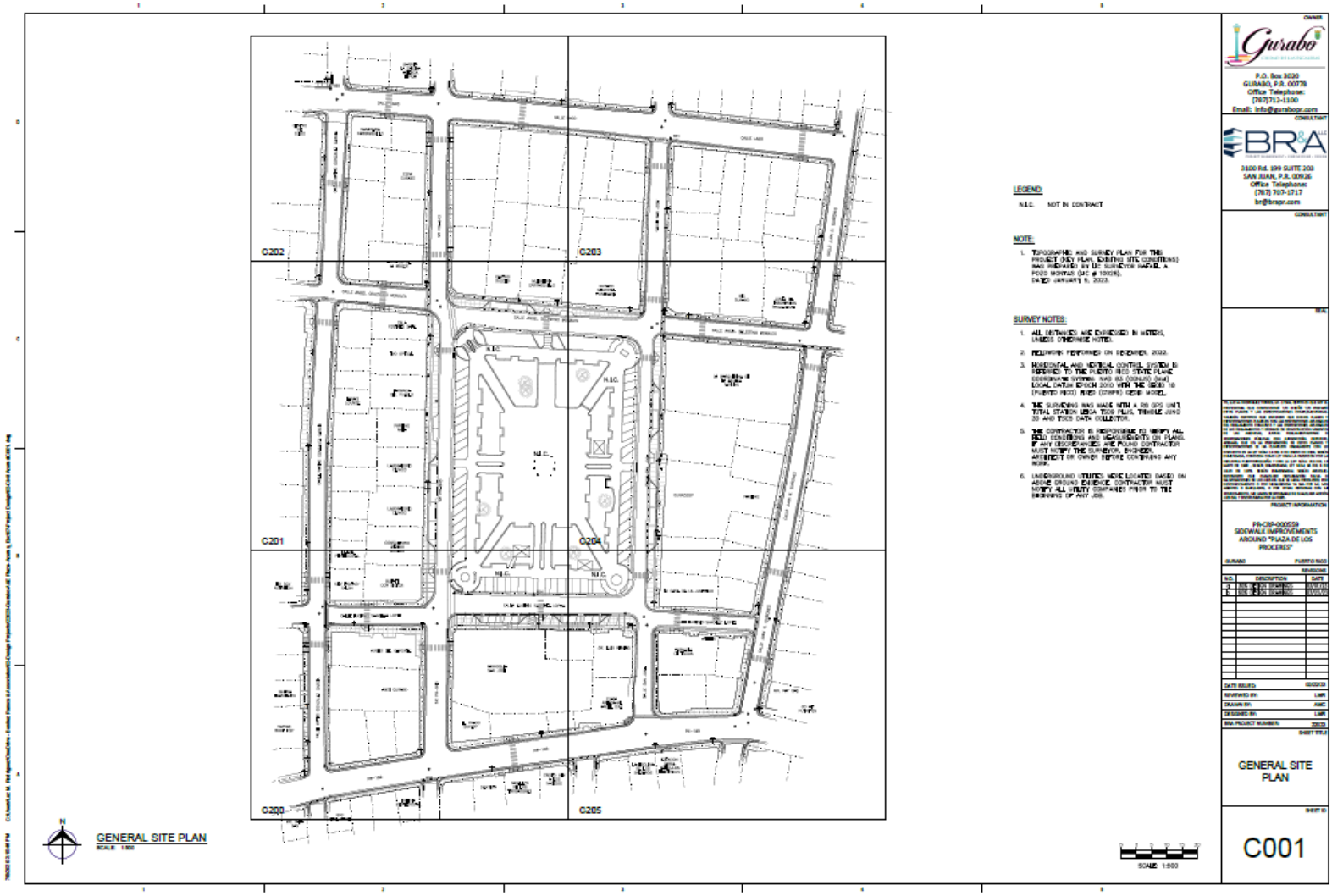
GENERAL VIEWS:





SACM VISIBLE?

No SACM visible at the moment of the inspection.



Attachment 3

Certification for Non-Presence Asbestos (PGC-009)



CERTIFICACION DE NO PRESENCIA DE ASBESTO EN ESTRUCTURAS A DEMOLERSE

(Deberá completarse en letra de molde o impresa)

SUBMITTED AS SEPARATE DOCUMENT



www.nortolpr.com | info@nortolpr.com | 787.420.0220
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LEAD-BASED PAINT SURVEY

PLAZA PÚBLICA GURABO Y
MEJORAS ACERAS Y CALLES COLINDANTES

Calle Santiago (N), Gurabo, Puerto Rico 00778



Inspection Date: May 10 & 11, 2023

Prepared for: BR&A, LLC

Prepared by: Nortol Environmental & Occupational Safety, Inc.

Inspector:

_____

Ramón Alejandro
Lead Inspector
LBP I.D. # LBPI-23622-250

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Environmental & Occupational Safety, Inc. Est. 2002

NORTOL *has performed this survey in a thorough and professional manner consistent with commonly accepted industry standards.*

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Table of Contents

Acronyms 3

Introduction 4

Lead Based Paint Survey Report 4

- Lead Based Paint Findings
- Survey Protocol and Sampling Procedures
- LBP Background and Regulatory review

Conclusion 8

Table 1.0 5

Attachment 1 – Company Credentials

Attachment 2 – Inspector's Credentials

Attachment 3 – Positive LBP XRF Tabulated Readings

Attachment 4 – LBP XRF Tabulated Readings

Attachment 5 – LBP Diagram

Attachment 6 – Representative Pictures\Photograph Log

Attachment 7 – XRF Performance Characteristic Sheet

Acronyms

A/C	=	Air Conditioning
CFR	=	Code of Federal Regulations
CPSC	=	Consumer Product Safety Commission
EPA	=	Environmental Protection Agency
Ft2	=	square feet
HA	=	Homogeneous Area
HUD	=	Department of Housing and Urban Development
LBP	=	Lead-based Paint
LF	=	Linear Feet
mg/cm2	=	milligrams per square centimeter
NESHAP'S	=	National Emission Standards for Hazardous Air Pollutants
NIOSH	=	National Institute for Occupational Safety and Health
OSHA	=	Occupational Safety and Health Administration
PRDOH	=	Puerto Rico Department of Housing
PRDNER	=	Puerto Rico Department of Natural and Environmental Resources
SOW	=	Scope of Work
XRF	=	X-Ray Fluorescent

I. INTRODUCTION

As part of the environmental due diligence, this survey is intended to assess the general presence, quantity, and location of LBP and lead-glazed ceramics above allowable levels at *Plaza Pública Gurabo y Mejoras Aceras y Calles Colindantes* located at calle Santiago (N), Gurabo, PR

The LBP survey, conforming to Housing Urban Development (HUD) Guidelines for the Evaluation and Control of Lead Based Paint in Housing, was conducted on May 10 & 11, 2023, by Mr. Ramón Alejandro (Lead inspector number: LBPI-23622-250) from Nortol. Copy of Nortol's registration with the PRDNER is included in **Attachment 1**. Inspector's credential(s) is included in **Attachment 2.** Nortol's survey areas and report are limited to the details provided in Section II part D.

Based on the results of the survey, 686 XRF readings were performed using an XRF analyzer on the identified and accessible surfaces in the exterior of the subject structure. LBP was identified above the regulatory level of 1.0 mg/cm^2 on handrails, sculptures (statues) and street curbs. See Attachments 3 to 6.

There is concrete, metal, and wood components. The floors have terrazzo tiles, are painted or are bare concrete.

II. LEAD BASED PAINT SURVEY REPORT

A. Lead Based Paint Findings:

LBP was found in some of the project accessed components (see Table 1.0). The data from XRF analyzer testing is included in **Attachment 3 and 4** with positive readings marked in red or bold. **Attachment 5** includes the approximated location of identified LBP or lead-glazes at the subject structure. Representative Pictures\Photograph Log of identified LBP surfaces and/or lead-glazed ceramic components within the structure are provided in **Attachment 6.**

Table 1.0		
BLDG OR AREA (see Attachments for additional information)	**LEAD-BASED PAINT (LBP) OR LEAD-GLAZES**	**ESTIMATED QUANTITY***
Plaza (to north)	LBP found on metal handrail	60 LF
Plaza (to north and south)	LBP found on metal statues	4 units
Matias Gonzalez Garcia Street (north to south)	LBP found on concrete curbs	150 LF
PR-189 (west to east)	LBP found on concrete curbs	100 LF
San Jose Street (southeast area)	LBP found on concrete curbs	50 LF
Eugenio Sanchez Lopez (southwest area)	LBP found on concrete curbs	100 LF
Street SR PR-943 (northwest)	LBP found on concrete curbs	110 LF
San Jose (northeast)	LBP found on concrete curbs	150 LF
**Abatement contractors are responsible to confirm estimates on-site.*		

B. Survey Protocol and Sampling Procedure:

The survey was conducted following the *HUD Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing (1997 Revision, Chapter 7)*. The technique used for assessing the painted components was the XRF instrument. The following guidelines were used to perform LBP testing:

1. Achieve inventory of painted surfaces
2. Select areas to be assessed.
3. Perform XRF testing.
4. Review and evaluate the data.
5. Report findings

The XRF instrument was set at Standard Paint Mode showing reading "Positive" or "Negative" with a 95% confident reading. The result is reported in mg/cm^2. **Attachment 7** includes the XRF Performance Characteristic Sheet (PCS) of the analyzer.

The **letters A, B, C**, and **D** used in the survey refers to:

A ⇒ Main entrance side orientation (to street)
B ⇒ Left side orientation
C ⇒ Rear side orientation
D ⇒ Right side orientation

C. Lead Based Paint Background and Regulatory Review:

Overexposure to lead is one of the most common situations found in industry. It is also a major potential public health risk. Lead poisoning is the leading environmentally induced illness in children. At greatest risk are children under the age of six because they are undergoing rapid neurological and physical development. In general population, lead may be present at hazardous concentrations in food, water, and air. Sources include LBP, urban soil, dust, and drinking water.

Lead is commonly added to industrial paints because of its characteristic to resist corrosion. Industries with particularly high potential exposures include construction work involving welding, cutting, brazing, blasting, etc., on lead paint surfaces; most smelter operations either as a trace contaminant or as a major product; secondary lead smelters where lead is recovered from batteries; radiator repair shops; and firing ranges. Oral ingestion may represent a major route of exposure in contaminated workplaces. Once in the blood, lead is distributed primarily among three routes - blood, soft tissue (kidney, bone marrow, liver, and brain) and mineralizing tissue (bones and teeth).

Hazard of lead in paint has been defined by the Department of Housing and Urban Development as 1.0 mg/cm^2 as measured by an XRF instrument, or Atomic Absorption Spectroscopy (AAS); or 0.5% by weight (or 5,000 ppm) as measured by AAS, or Inductive Coupled Plasma (ICP). The same level was adopted by EPA regulations published in 1992, under Title X.

Although OSHA regulations for occupational lead exposure have been in effect since 1971 for the construction and general industries, the agency recognized the need to provide better protection and revised the regulations for general industry in 1978. The 1978 lead standard, however, excluded the construction industry from coverage because of insufficient information regarding lead use in construction.

In 1990, NIOSH set a national goal to eliminate worker exposures resulting in blood lead concentrations greater than 25 micrograms per deciliter (25 µg/dl) of whole blood. Consequently, OSHA began developing a proposal for a comprehensive standard regulating occupational exposure to lead in construction. In October 1992, the Congress passed Section 1031 of Title X of the Housing and Community Development Act of 1992 (P. L. 102-550) requiring OSHA to issue an interim final lead standard for the construction industry, effective until OSHA issues a final standard. The interim final rule, published on May 4, 1993, amends the OSHA standards for occupational health and environmental controls in Subpart D of Title 29 CFR 1926 by adding a

new section 1926.62, containing employee protection requirements for construction workers exposed to lead.

On July 1998, the PRDNER - former PR Environmental Quality Board regulations regarding to LBP was created to issue activity permits, accredit institutions, and certificate persons involved in LBP activities in Puerto Rico. Local regulations require all lead to be managed as a special waste. On August 2019 this regulation was replaced by the new *Reglamento para el Manejo Adecuado de Actividades de Pintura con Base de Plomo*. To obtain a demolition permit in Puerto Rico is necessary to include a certification (OGP-PGC-010 or equivalent) stating that there is no LBP in the project.

D. Survey Areas – Extent of Survey Coverage:

The survey included a detailed structure inspection providing a general sense of the overall location, type, quantity, and condition of LBP and lead-glazed ceramic components. The LBP survey was performed to ready accessible components and surfaces. If any suspect coated surface or ceramic components that could contain lead are encountered underneath current installed tiles or other construction material during demolition and/or renovation activities which differ from materials tested during the LBP survey, these should be assumed to be Lead containing until testing/analysis confirmed otherwise. The survey was unobtrusive as samples were not taken where doing so would have resulted in objectionable damage to surfaces. Therefore, the survey did not include destructive, intrusive and/or exploratory testing.

Areas Not Included in Survey and Service Constraints: All professional opinions presented in this report are based on information made available either by review of data provided by others or data gathered by Nortol's personnel. Nortol affirms that data gathered and presented by Nortol in this report was collected in an appropriate manner in accordance with accepted methods and practices. Any energized utilities/services, including electricity, water and heat were assumed to be active. Materials associated with these items were determined to not be safely accessible and were not sampled. The survey did not include access or inspection of confined spaces or subsurface/underground areas including piping, conduits, building footings and soils (surficial or otherwise).

III. CONCLUSION

LBP survey was conducted for the project identified with the header ID. LBP or lead-glaze was identified above the regulatory level of 1.0 mg/cm^2 at selective areas of the subject structure.

Data from XRF analyzer testing is included in **Attachment 3 and 4** with positive readings marked in red or bold. **Attachment 5** includes the approximated location of identified LBP or lead-glazes at the subject structure. Representative Pictures\Photograph Log of identified LBP surfaces and/or lead-glazed ceramic components within the structure are provided in **Attachment 6.**

Any conditions or materials that could not be visually identified or were out-of-the SOW, was not inspected and may differ from those conditions or materials noted. It was not within the scope of the activity to remove surface materials to investigate portions of the structure or materials that may lay beneath the surface. Nortol's selection of sample locations and frequency of sampling was based on Nortol's observations and the assumption that similar materials in the same area are homogeneous in content.

The report is designed to aid the building owner, architect, construction manager, general contractors, and potential asbestos or lead abatement contractors in locating LBP or lead-glaze. Under no circumstances is the report to be utilized solely as a bidding document or as a project specification document.

Attachment 1

Company Credentials



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GOBIERNO DE PUERTO RICO

Departamento de Recursos Naturales y Ambientales

Este certificado es otorgado a:

Nortol Environmental & Occupational Safety, Inc.

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

Número de Certificado

LBPF-04023-008

Fecha de emisión: Marzo 5, 2023

Fecha de Expiración: Marzo 4, 2024

DRNA

José Roque Juliá
Jefe
División Desperdicios Tóxicos

LEAD-SAFE
EPA
CERTIFIED FIRM

NAT-F121771-2

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20 ANNIVERSARY
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Attachment 2
Inspector's Credentials

RAMON ALEJANDRO
Puerto Rico
Lead-based Paint Inspector



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PO Box 366457, San Juan, PR 00936-6457

Attachment 3

Positive LBP XRF Tabulated Readings

Plaza Pública Gurabo y Mejoras a sus Aceras colindantes XRF SHEET

Company	**Viken Detection**
Model	Pb200i
Type	XRF Lead Paint Analyzer
Serial Num.	2703
App Version	Pb200i-5.2.0

Job Id	Reading #	Concentration	Units	Result	Level	Date	Time	Inspector	Job	Room	Structure	Component	Substrate	Wall	Color	Condition	Approx. Qty.
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	83	10.2	mg/cm2	Positive	1	5/10/23	10:10:07	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Handrail	Metal	-	Black	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	84	10.2	mg/cm2	Positive	1	5/10/23	10:11:02	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Handrail	Metal	-	Black	Intact	60 Lf
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	85	10	mg/cm2	Positive	1	5/10/23	10:11:21	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Handrail	Metal	-	Black	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	188	6.1	mg/cm2	Positive	1	5/10/23	11:28:35	R.Alejandro	100-116	Exterior	Public Plaza / North Area / Left Statue	Statue	Metal	-	Brown	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	189	6.7	mg/cm2	Positive	1	5/10/23	11:28:53	R.Alejandro	100-116	Exterior	Public Plaza / North Area / Left Statue	Statue	Metal	-	Brown	Intact	1 unit
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	190	3.9	mg/cm2	Positive	1	5/10/23	11:29:25	R.Alejandro	100-116	Exterior	Public Plaza / North Area / Right Statue	Statue	Metal	-	Brown	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	191	6.4	mg/cm2	Positive	1	5/10/23	11:29:40	R.Alejandro	100-116	Exterior	Public Plaza / North Area / Right Statue	Statue	Metal	-	Brown	Intact	1 unit
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	192	6.5	mg/cm2	Positive	1	5/10/23	11:30:11	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Left Statue	Statue	Metal	-	Brown	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	193	5.7	mg/cm2	Positive	1	5/10/23	11:31:03	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Left Statue	Statue	Metal	-	Brown	Intact	1 unit
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	194	5.4	mg/cm2	Positive	1	5/10/23	11:31:27	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Right Statue	Statue	Metal	-	Brown	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	195	6.2	mg/cm2	Positive	1	5/10/23	11:31:58	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Right Statue	Statue	Metal	-	Brown	Intact	1 unit
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	196	6	mg/cm2	Positive	1	5/10/23	11:32:10	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Right Statue	Statue	Metal	-	Brown	Intact	

Attachment 4
LBP XRF Tabulated Readings

Plaza Pública Gurabo y Mejoras a sus Aceras colindantes XRF SHEET

Company	**Viken Detection**
Model	Pb200i
Type	XRF Lead Paint Analyzer
Serial Num.	2703
App Version	Pb200i-5.2.0

Job Id	Reading #	Concentration	Units	Result	Level	Date	Time	Inspector	Job	Room	Structure	Component	Substrate	Wall	Color	Condition	Approx. Qty.
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	1	1	mg/cm2	Positive	1	5/10/23	8:45:59	R.Alejandro	100-116	Exterior	Calibration	-	-	-		-	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	2	1	mg/cm2	Positive	1	5/10/23	8:46:14	R.Alejandro	100-116	Exterior	Calibration	-	-	-		-	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	3	0.9	mg/cm2	Negative	1	5/10/23	8:46:30	R.Alejandro	100-116	Exterior	Calibration	-	-	-		-	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	4	0.1	mg/cm2	Negative	1	5/10/23	8:56:16	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Left Statue Area	Curb	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	5	0.1	mg/cm2	Negative	1	5/10/23	8:56:47	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Left Statue Area	Curb	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	6	0.2	mg/cm2	Negative	1	5/10/23	8:57:03	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Left Statue Area	Curb	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	7	0.1	mg/cm2	Negative	1	5/10/23	8:57:36	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Left Statue Area	Partition Wall	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	8	0	mg/cm2	Negative	1	5/10/23	8:57:48	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Left Statue Area	Partition Wall	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	9	0	mg/cm2	Negative	1	5/10/23	8:58:32	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Left Statue Area	Statue Base	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	10	0.1	mg/cm2	Negative	1	5/10/23	8:59:33	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Left Statue Area	Curb	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	11	0	mg/cm2	Negative	1	5/10/23	9:02:25	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Left Statue Area	Curb	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	12	0.1	mg/cm2	Negative	1	5/10/23	9:02:39	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Left Statue Area	Curb	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	13	0	mg/cm2	Negative	1	5/10/23	9:03:23	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Left Statue Area	Partition Wall	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	14	0	mg/cm2	Negative	1	5/10/23	9:03:59	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Left Statue Area	Partition Wall	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	15	0	mg/cm2	Negative	1	5/10/23	9:04:25	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Left Statue Area	Statue Base	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	16	0.2	mg/cm2	Negative	1	5/10/23	9:06:35	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Left Statue Area	Statue Base	Metal	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	17	0.1	mg/cm2	Negative	1	5/10/23	9:07:49	R.Alejandro	100-116	Exterior	Public Plaza / South Area	Curb	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	18	0	mg/cm2	Negative	1	5/10/23	9:08:17	R.Alejandro	100-116	Exterior	Public Plaza / South Area	Curb	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	19	0	mg/cm2	Negative	1	5/10/23	9:09:10	R.Alejandro	100-116	Exterior	Public Plaza / South Area	Floor	Concrete	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	20	0	mg/cm2	Negative	1	5/10/23	9:09:28	R.Alejandro	100-116	Exterior	Public Plaza / South Area	Floor	Concrete	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	21	0	mg/cm2	Negative	1	5/10/23	9:11:14	R.Alejandro	100-116	Exterior	Public Plaza / South Area	Light Pole	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	22	0	mg/cm2	Negative	1	5/10/23	9:11:46	R.Alejandro	100-116	Exterior	Public Plaza / South Area	Light Pole	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	23	0	mg/cm2	Negative	1	5/10/23	9:14:30	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Taxi House	Metal Column	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	24	0	mg/cm2	Negative	1	5/10/23	9:14:43	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Taxi House	Metal Column	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	25	0	mg/cm2	Negative	1	5/10/23	9:14:58	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Taxi House	Metal Column	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	26	0	mg/cm2	Negative	1	5/10/23	9:15:54	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Taxi House	Burglar Fence	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	27	0	mg/cm2	Negative	1	5/10/23	9:16:06	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Taxi House	Burglar Fence	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	28	0	mg/cm2	Negative	1	5/10/23	9:17:53	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Taxi House	Ceiling	Wood	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	29	0	mg/cm2	Negative	1	5/10/23	9:18:11	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Taxi House	Ceiling	Wood	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	30	0.1	mg/cm2	Negative	1	5/10/23	9:18:48	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Taxi House	Floor	Concrete	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	31	0.3	mg/cm2	Negative	1	5/10/23	9:19:02	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Taxi House	Floor	Concrete	-	Brown	Intact	-

Plaza Pública Gurabo y Mejoras a sus Aceras colindantes XRF SHEET

Company	**Viken Detection**
Model	Pb200i
Type	XRF Lead Paint Analyzer
Serial Num.	2703
App Version	Pb200i-5.2.0

Job Id	Reading #	Concentration	Units	Result	Level	Date	Time	Inspector	Job	Room	Structure	Component	Substrate	Wall	Color	Condition	Approx. Qty.
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	32	0	mg/cm2	Negative	1	5/10/23	9:20:59	R.Alejandro	100-116	Exterior	Public Plaza / South Area	Sing Pole	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	33	0	mg/cm2	Negative	1	5/10/23	9:21:14	R.Alejandro	100-116	Exterior	Public Plaza / South Area	Sing Pole	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	34	0	mg/cm2	Negative	1	5/10/23	9:22:48	R.Alejandro	100-116	Exterior	Public Plaza / South Area	Base	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	35	0	mg/cm2	Negative	1	5/10/23	9:23:02	R.Alejandro	100-116	Exterior	Public Plaza / South Area	Base	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	36	0.2	mg/cm2	Negative	1	5/10/23	9:24:16	R.Alejandro	100-116	Exterior	Public Plaza / South Area	Bench	Terrazo	-	Beige	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	37	0	mg/cm2	Negative	1	5/10/23	9:24:27	R.Alejandro	100-116	Exterior	Public Plaza / South Area	Bench	Terrazo	-	Beige	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	38	0.1	mg/cm2	Negative	1	5/10/23	9:27:05	R.Alejandro	100-116	Exterior	Public Plaza / South Area	Floor	Concrete	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	39	0	mg/cm2	Negative	1	5/10/23	9:27:27	R.Alejandro	100-116	Exterior	Public Plaza / South Area	Floor	Concrete	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	40	0	mg/cm2	Negative	1	5/10/23	9:29:56	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Domino House	Burglar Fence	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	41	0	mg/cm2	Negative	1	5/10/23	9:30:09	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Domino House	Burglar Fence	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	42	0	mg/cm2	Negative	1	5/10/23	9:30:22	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Domino House	Burglar Fence	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	43	0	mg/cm2	Negative	1	5/10/23	9:30:57	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Domino House	Metal Column	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	44	0	mg/cm2	Negative	1	5/10/23	9:31:14	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Domino House	Metal Column	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	45	0	mg/cm2	Negative	1	5/10/23	9:31:33	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Domino House	Metal Column	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	46	0	mg/cm2	Negative	1	5/10/23	9:33:33	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Domino House	Ceiling	Wood	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	47	0	mg/cm2	Negative	1	5/10/23	9:33:45	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Domino House	Ceiling	Wood	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	48	0	mg/cm2	Negative	1	5/10/23	9:39:52	R.Alejandro	100-116	Exterior	Public Plaza / Center Area	Floor	Concrete	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	49	0.1	mg/cm2	Negative	1	5/10/23	9:40:09	R.Alejandro	100-116	Exterior	Public Plaza / Center Area	Floor	Concrete	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	50	0	mg/cm2	Negative	1	5/10/23	9:40:28	R.Alejandro	100-116	Exterior	Public Plaza / Center Area	Floor	Concrete	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	51	0.2	mg/cm2	Negative	1	5/10/23	9:40:45	R.Alejandro	100-116	Exterior	Public Plaza / Center Area	Floor	Concrete	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	52	0	mg/cm2	Negative	1	5/10/23	9:41:52	R.Alejandro	100-116	Exterior	Public Plaza / Center Area	3' Pole	Metal	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	53	0	mg/cm2	Negative	1	5/10/23	9:42:07	R.Alejandro	100-116	Exterior	Public Plaza / Center Area	3' Pole	Metal	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	54	0	mg/cm2	Negative	1	5/10/23	9:42:21	R.Alejandro	100-116	Exterior	Public Plaza / Center Area	3' Pole	Metal	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	55	0	mg/cm2	Negative	1	5/10/23	9:43:17	R.Alejandro	100-116	Exterior	Public Plaza / Center Area	Light Pole Base	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	56	0	mg/cm2	Negative	1	5/10/23	9:44:14	R.Alejandro	100-116	Exterior	Public Plaza / Center Area	Light Pole Base	Metal	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	57	0	mg/cm2	Negative	1	5/10/23	9:44:47	R.Alejandro	100-116	Exterior	Public Plaza / Center Area	Light Pole Base	Metal	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	58	0.1	mg/cm2	Negative	1	5/10/23	9:45:22	R.Alejandro	100-116	Exterior	Public Plaza / Center Area	Light Pole Base	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	59	0	mg/cm2	Negative	1	5/10/23	9:46:59	R.Alejandro	100-116	Exterior	Public Plaza / Center Area	Light Pole Base	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	60	0	mg/cm2	Negative	1	5/10/23	9:47:56	R.Alejandro	100-116	Exterior	Public Plaza / Center Area	Pole Base	Metal	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	61	0	mg/cm2	Negative	1	5/10/23	9:49:02	R.Alejandro	100-116	Exterior	Public Plaza / Center Area	Pole Base	Metal	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	62	0	mg/cm2	Negative	1	5/10/23	9:49:36	R.Alejandro	100-116	Exterior	Public Plaza / Center Area	Light Pole Base	Metal	-	Black	Intact	-

Plaza Pública Gurabo y Mejoras a sus Aceras colindantes XRF SHEET

Company	**Viken Detection**
Model	Pb200i
Type	XRF Lead Paint Analyzer
Serial Num.	2703
App Version	Pb200i-5.2.0

Job Id	Reading #	Concentration	Units	Result	Level	Date	Time	Inspector	Job	Room	Structure	Component	Substrate	Wall	Color	Condition	Approx. Qty.
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	63	0.1	mg/cm2	Negative	1	5/10/23	9:51:02	R.Alejandro	100-116	Exterior	Public Plaza / Center Area	Trash	Plastic	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	64	0	mg/cm2	Negative	1	5/10/23	9:51:24	R.Alejandro	100-116	Exterior	Public Plaza / Center Area	Trash	Plastic	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	65	0.2	mg/cm2	Negative	1	5/10/23	9:52:48	R.Alejandro	100-116	Exterior	Public Plaza / Center Area	Bench Base	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	66	0	mg/cm2	Negative	1	5/10/23	9:53:03	R.Alejandro	100-116	Exterior	Public Plaza / Center Area	Bench Base	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	67	0	mg/cm2	Negative	1	5/10/23	9:53:55	R.Alejandro	100-116	Exterior	Public Plaza / Center Area	Bench Base	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	68	0	mg/cm2	Negative	1	5/10/23	9:54:05	R.Alejandro	100-116	Exterior	Public Plaza / Center Area	Bench Base	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	69	0	mg/cm2	Negative	1	5/10/23	9:54:45	R.Alejandro	100-116	Exterior	Public Plaza / Center Area	Curb	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	70	0	mg/cm2	Negative	1	5/10/23	9:55:01	R.Alejandro	100-116	Exterior	Public Plaza / Center Area	Curb	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	71	0	mg/cm2	Negative	1	5/10/23	9:55:21	R.Alejandro	100-116	Exterior	Public Plaza / Center Area	Curb	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	72	0	mg/cm2	Negative	1	5/10/23	9:55:49	R.Alejandro	100-116	Exterior	Public Plaza / Center Area	Curb	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	73	0	mg/cm2	Negative	1	5/10/23	9:59:48	R.Alejandro	100-116	Exterior	Public Plaza / North Area / Left Hallway	Floor Metal Cover	Metal	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	74	0	mg/cm2	Negative	1	5/10/23	10:00:14	R.Alejandro	100-116	Exterior	Public Plaza / North Area / Left Hallway	Floor Metal Cover	Metal	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	75	0.1	mg/cm2	Negative	1	5/10/23	10:01:35	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Curb	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	76	0	mg/cm2	Negative	1	5/10/23	10:01:47	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Curb	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	77	0	mg/cm2	Negative	1	5/10/23	10:02:30	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Floor	Concrete	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	78	0	mg/cm2	Negative	1	5/10/23	10:02:45	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Floor	Concrete	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	79	0.5	mg/cm2	Negative	1	5/10/23	10:05:37	R.Alejandro	100-116	Exterior	Public Plaza / North Area /Left Statue	Statue Base	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	80	0.5	mg/cm2	Negative	1	5/10/23	10:06:02	R.Alejandro	100-116	Exterior	Public Plaza / North Area /Left Statue	Statue Base	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	81	0	mg/cm2	Negative	1	5/10/23	10:08:07	R.Alejandro	100-116	Exterior	Public Plaza / North Area /Left Statue	Statue Base	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	82	0.1	mg/cm2	Negative	1	5/10/23	10:08:22	R.Alejandro	100-116	Exterior	Public Plaza / North Area /Left Statue	Statue Base	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	83	10.2	mg/cm2	Positive	1	5/10/23	10:10:07	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Handrail	Metal	-	Black	Intact	60 Lf
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	84	10.2	mg/cm2	Positive	1	5/10/23	10:11:02	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Handrail	Metal	-	Black	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	85	10	mg/cm2	Positive	1	5/10/23	10:11:21	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Handrail	Metal	-	Black	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	86	0.1	mg/cm2	Negative	1	5/10/23	10:12:19	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Metal Fence	Metal	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	87	0	mg/cm2	Negative	1	5/10/23	10:12:47	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Metal Fence	Metal	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	88	0	mg/cm2	Negative	1	5/10/23	10:13:08	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Metal Fence	Metal	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	89	0	mg/cm2	Negative	1	5/10/23	10:13:24	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Metal Fence	Metal	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	90	0	mg/cm2	Negative	1	5/10/23	10:13:54	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Metal Fence Pole	Metal	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	91	0	mg/cm2	Negative	1	5/10/23	10:14:10	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Metal Fence Pole	Metal	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	92	0	mg/cm2	Negative	1	5/10/23	10:14:29	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Metal Fence Pole	Metal	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	93	0	mg/cm2	Negative	1	5/10/23	10:14:45	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Metal Fence Pole	Metal	-	Green	Intact	-

Plaza Pública Gurabo y Mejoras a sus Aceras colindantes XRF SHEET

Company	**Viken Detection**
Model	Pb200i
Type	XRF Lead Paint Analyzer
Serial Num.	2703
App Version	Pb200i-5.2.0

Job Id	Reading #	Concentration	Units	Result	Level	Date	Time	Inspector	Job	Room	Structure	Component	Substrate	Wall	Color	Condition	Approx. Qty.
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	94	0	mg/cm2	Negative	1	5/10/23	10:17:01	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Light Pole	Metal	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	95	0	mg/cm2	Negative	1	5/10/23	10:17:19	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Light Pole	Metal	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	96	0.1	mg/cm2	Negative	1	5/10/23	10:18:16	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Light Pole Base	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	97	0.1	mg/cm2	Negative	1	5/10/23	10:18:37	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Light Pole Base	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	98	0.1	mg/cm2	Negative	1	5/10/23	10:19:48	R.Alejandro	100-116	Exterior	Public Plaza / North Area / Left Stair	Floor	Concrete	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	99	0.2	mg/cm2	Negative	1	5/10/23	10:20:03	R.Alejandro	100-116	Exterior	Public Plaza / North Area / Left Stair	Floor	Concrete	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	100	0	mg/cm2	Negative	1	5/10/23	10:21:06	R.Alejandro	100-116	Exterior	Public Plaza / North Area / Left Stair	Wall	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	101	0	mg/cm2	Negative	1	5/10/23	10:21:25	R.Alejandro	100-116	Exterior	Public Plaza / North Area / Left Stair	Wall	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	102	0.1	mg/cm2	Negative	1	5/10/23	10:22:24	R.Alejandro	100-116	Exterior	Public Plaza / North Area / Left Stair	Curb	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	103	0	mg/cm2	Negative	1	5/10/23	10:22:36	R.Alejandro	100-116	Exterior	Public Plaza / North Area / Left Stair	Curb	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	104	0.1	mg/cm2	Negative	1	5/10/23	10:23:47	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Floor	Concrete	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	105	0.4	mg/cm2	Negative	1	5/10/23	10:24:01	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Floor	Concrete	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	106	0	mg/cm2	Negative	1	5/10/23	10:24:22	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Floor	Concrete	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	107	0.1	mg/cm2	Negative	1	5/10/23	10:24:39	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Floor	Concrete	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	108	0	mg/cm2	Negative	1	5/10/23	10:24:55	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Floor	Concrete	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	109	0	mg/cm2	Negative	1	5/10/23	10:25:50	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Bench Base	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	110	0	mg/cm2	Negative	1	5/10/23	10:26:01	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Bench Base	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	111	0.4	mg/cm2	Negative	1	5/10/23	10:27:07	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Bench	Terrazo	-	Beige	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	112	0.2	mg/cm2	Negative	1	5/10/23	10:27:24	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Bench	Terrazo	-	Beige	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	113	0.1	mg/cm2	Negative	1	5/10/23	10:28:04	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Curb	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	114	0.1	mg/cm2	Negative	1	5/10/23	10:28:23	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Curb	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	115	0.1	mg/cm2	Negative	1	5/10/23	10:29:21	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Light Pole Base	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	116	0.1	mg/cm2	Negative	1	5/10/23	10:30:05	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Light Pole Base	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	117	0	mg/cm2	Negative	1	5/10/23	10:30:26	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Light Pole Base	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	118	0	mg/cm2	Negative	1	5/10/23	10:30:52	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Light Pole Base	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	119	0	mg/cm2	Negative	1	5/10/23	10:31:48	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Burglar Fence	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	120	0	mg/cm2	Negative	1	5/10/23	10:32:02	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Burglar Fence	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	121	0.1	mg/cm2	Negative	1	5/10/23	10:32:17	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Burglar Fence	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	122	0	mg/cm2	Negative	1	5/10/23	10:32:32	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Burglar Fence	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	123	0	mg/cm2	Negative	1	5/10/23	10:33:34	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Metal Column	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	124	0	mg/cm2	Negative	1	5/10/23	10:33:48	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Metal Column	Metal	-	Black	Intact	-

Plaza Pública Gurabo y Mejoras a sus Aceras colindantes XRF SHEET

Company	**Viken Detection**
Model	Pb200i
Type	XRF Lead Paint Analyzer
Serial Num.	2703
App Version	Pb200i-5.2.0

Job Id	Reading #	Concentration	Units	Result	Level	Date	Time	Inspector	Job	Room	Structure	Component	Substrate	Wall	Color	Condition	Approx. Qty.
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	125	0.2	mg/cm2	Negative	1	5/10/23	10:34:04	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Metal Column	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	126	0	mg/cm2	Negative	1	5/10/23	10:34:19	R.Alejandro	100-116	Exterior	Public Plaza / North Area	Metal Column	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	127	0	mg/cm2	Negative	1	5/10/23	10:35:53	R.Alejandro	100-116	Exterior	Public Plaza / North Area / Center Hallway	Floor Metal Cover	Metal	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	128	0	mg/cm2	Negative	1	5/10/23	10:36:38	R.Alejandro	100-116	Exterior	Public Plaza / North Area / Center Hallway	Curb	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	129	0.1	mg/cm2	Negative	1	5/10/23	10:36:50	R.Alejandro	100-116	Exterior	Public Plaza / North Area / Center Hallway	Curb	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	130	0.1	mg/cm2	Negative	1	5/10/23	10:38:04	R.Alejandro	100-116	Exterior	Public Plaza / North Area / Center Stair	Floor	Concrete	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	131	0.4	mg/cm2	Negative	1	5/10/23	10:38:17	R.Alejandro	100-116	Exterior	Public Plaza / North Area / Center Stair	Floor	Concrete	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	132	0	mg/cm2	Negative	1	5/10/23	10:39:10	R.Alejandro	100-116	Exterior	Public Plaza / North Area / Center Stair	Curb	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	133	0	mg/cm2	Negative	1	5/10/23	10:39:21	R.Alejandro	100-116	Exterior	Public Plaza / North Area / Center Stair	Curb	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	134	0	mg/cm2	Negative	1	5/10/23	10:40:12	R.Alejandro	100-116	Exterior	Public Plaza / North Area / Center Stair	Burglar Fence	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	135	0	mg/cm2	Negative	1	5/10/23	10:40:23	R.Alejandro	100-116	Exterior	Public Plaza / North Area / Center Stair	Burglar Fence	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	136	0	mg/cm2	Negative	1	5/10/23	10:41:21	R.Alejandro	100-116	Exterior	Public Plaza / North Area / Center Stair	Burglar Fence	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	137	0	mg/cm2	Negative	1	5/10/23	10:41:31	R.Alejandro	100-116	Exterior	Public Plaza / North Area / Center Stair	Burglar Fence	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	138	0.2	mg/cm2	Negative	1	5/10/23	10:45:19	R.Alejandro	100-116	Exterior	Public Plaza / North Area / Right Statue Area	Statue Base	Metal	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	139	0.1	mg/cm2	Negative	1	5/10/23	10:46:29	R.Alejandro	100-116	Exterior	Public Plaza / North Area / Right Statue Area	Statue Base	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	140	0	mg/cm2	Negative	1	5/10/23	10:46:39	R.Alejandro	100-116	Exterior	Public Plaza / North Area / Right Statue Area	Statue Base	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	141	0	mg/cm2	Negative	1	5/10/23	10:47:25	R.Alejandro	100-116	Exterior	Public Plaza / North Area / Right Statue Area	Partition Wall	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	142	0	mg/cm2	Negative	1	5/10/23	10:47:43	R.Alejandro	100-116	Exterior	Public Plaza / North Area / Right Statue Area	Partition Wall	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	143	0	mg/cm2	Negative	1	5/10/23	10:48:19	R.Alejandro	100-116	Exterior	Public Plaza / North Area / Right Statue Area	Curb	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	144	0	mg/cm2	Negative	1	5/10/23	10:49:06	R.Alejandro	100-116	Exterior	Public Plaza / North Area / Right Statue Area	Floor	Concrete	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	145	0.2	mg/cm2	Negative	1	5/10/23	10:49:20	R.Alejandro	100-116	Exterior	Public Plaza / North Area / Right Statue Area	Floor	Concrete	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	146	0.3	mg/cm2	Negative	1	5/10/23	10:50:11	R.Alejandro	100-116	Exterior	Public Plaza / East Area	Floor	Concrete	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	147	0.1	mg/cm2	Negative	1	5/10/23	10:50:23	R.Alejandro	100-116	Exterior	Public Plaza / East Area	Floor	Concrete	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	148	0.2	mg/cm2	Negative	1	5/10/23	10:50:38	R.Alejandro	100-116	Exterior	Public Plaza / East Area	Floor	Concrete	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	149	0	mg/cm2	Negative	1	5/10/23	10:51:02	R.Alejandro	100-116	Exterior	Public Plaza / East Area	Floor	Concrete	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	150	0.1	mg/cm2	Negative	1	5/10/23	10:51:17	R.Alejandro	100-116	Exterior	Public Plaza / East Area	Floor	Concrete	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	151	0	mg/cm2	Negative	1	5/10/23	10:53:04	R.Alejandro	100-116	Exterior	Public Plaza / East Area	Curb	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	152	0	mg/cm2	Negative	1	5/10/23	10:53:15	R.Alejandro	100-116	Exterior	Public Plaza / East Area	Curb	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	153	0	mg/cm2	Negative	1	5/10/23	10:53:43	R.Alejandro	100-116	Exterior	Public Plaza / East Area	Curb	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	154	0	mg/cm2	Negative	1	5/10/23	10:53:56	R.Alejandro	100-116	Exterior	Public Plaza / East Area	Curb	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	155	0	mg/cm2	Negative	1	5/10/23	10:54:25	R.Alejandro	100-116	Exterior	Public Plaza / East Area	Curb	Concrete	-	Green	Intact	-

Plaza Pública Gurabo y Mejoras a sus Aceras colindantes XRF SHEET

Company	**Viken Detection**
Model	Pb200i
Type	XRF Lead Paint Analyzer
Serial Num.	2703
App Version	Pb200i-5.2.0

Job Id	Reading #	Concentration	Units	Result	Level	Date	Time	Inspector	Job	Room	Structure	Component	Substrate	Wall	Color	Condition	Approx. Qty.
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	156	0.8	mg/cm2	Negative	1	5/10/23	10:55:51	R.Alejandro	100-116	Exterior	Calibration	-	-	-	-	-	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	157	1	mg/cm2	Positive	1	5/10/23	10:56:07	R.Alejandro	100-116	Exterior	Calibration	-	-	-	-	-	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	158	0.8	mg/cm2	Negative	1	5/10/23	10:56:22	R.Alejandro	100-116	Exterior	Calibration	-	-	-	-	-	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	159	0.1	mg/cm2	Negative	1	5/10/23	10:58:01	R.Alejandro	100-116	Exterior	Public Plaza / East Area	Bench Base	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	160	0.1	mg/cm2	Negative	1	5/10/23	10:58:15	R.Alejandro	100-116	Exterior	Public Plaza / East Area	Bench Base	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	161	0.1	mg/cm2	Negative	1	5/10/23	11:00:08	R.Alejandro	100-116	Exterior	Public Plaza / East Area	Light Pole	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	162	0	mg/cm2	Negative	1	5/10/23	11:00:38	R.Alejandro	100-116	Exterior	Public Plaza / East Area	Light Pole	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	163	0	mg/cm2	Negative	1	5/10/23	11:01:18	R.Alejandro	100-116	Exterior	Public Plaza / East Area	Light Pole Base	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	164	0.1	mg/cm2	Negative	1	5/10/23	11:01:34	R.Alejandro	100-116	Exterior	Public Plaza / East Area	Light Pole Base	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	165	0	mg/cm2	Negative	1	5/10/23	11:08:35	R.Alejandro	100-116	Exterior	Public Plaza / East Area / Coffee Box	Wall	Metal	-	Beige	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	166	0	mg/cm2	Negative	1	5/10/23	11:08:51	R.Alejandro	100-116	Exterior	Public Plaza / East Area / Coffee Box	Wall	Metal	-	Beige	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	167	0	mg/cm2	Negative	1	5/10/23	11:09:08	R.Alejandro	100-116	Exterior	Public Plaza / East Area / Coffee Box	Wall	Metal	-	Beige	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	168	0	mg/cm2	Negative	1	5/10/23	11:11:22	R.Alejandro	100-116	Exterior	Public Plaza / West Area	Floor	Metal	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	169	0	mg/cm2	Negative	1	5/10/23	11:11:42	R.Alejandro	100-116	Exterior	Public Plaza / West Area	Floor	Metal	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	170	0.2	mg/cm2	Negative	1	5/10/23	11:12:09	R.Alejandro	100-116	Exterior	Public Plaza / West Area	Floor	Metal	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	171	0	mg/cm2	Negative	1	5/10/23	11:12:28	R.Alejandro	100-116	Exterior	Public Plaza / West Area	Floor	Metal	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	172	0	mg/cm2	Negative	1	5/10/23	11:12:47	R.Alejandro	100-116	Exterior	Public Plaza / West Area	Floor	Metal	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	173	0	mg/cm2	Negative	1	5/10/23	11:13:53	R.Alejandro	100-116	Exterior	Public Plaza / West Area	Curb	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	174	0	mg/cm2	Negative	1	5/10/23	11:14:09	R.Alejandro	100-116	Exterior	Public Plaza / West Area	Curb	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	175	0	mg/cm2	Negative	1	5/10/23	11:14:22	R.Alejandro	100-116	Exterior	Public Plaza / West Area	Curb	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	176	0	mg/cm2	Negative	1	5/10/23	11:15:42	R.Alejandro	100-116	Exterior	Public Plaza / West Area	Bench Base	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	177	0	mg/cm2	Negative	1	5/10/23	11:15:52	R.Alejandro	100-116	Exterior	Public Plaza / West Area	Bench Base	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	178	0	mg/cm2	Negative	1	5/10/23	11:17:56	R.Alejandro	100-116	Exterior	Public Plaza / West Area	Burglar Fence	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	179	0	mg/cm2	Negative	1	5/10/23	11:18:22	R.Alejandro	100-116	Exterior	Public Plaza / West Area	Burglar Fence	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	180	0	mg/cm2	Negative	1	5/10/23	11:18:39	R.Alejandro	100-116	Exterior	Public Plaza / West Area	Burglar Fence	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	181	0	mg/cm2	Negative	1	5/10/23	11:19:26	R.Alejandro	100-116	Exterior	Public Plaza / West Area	Metal Column	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	182	0.1	mg/cm2	Negative	1	5/10/23	11:19:40	R.Alejandro	100-116	Exterior	Public Plaza / West Area	Metal Column	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	183	0	mg/cm2	Negative	1	5/10/23	11:20:31	R.Alejandro	100-116	Exterior	Public Plaza / West Area	Metal Column	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	184	0	mg/cm2	Negative	1	5/10/23	11:21:11	R.Alejandro	100-116	Exterior	Public Plaza / West Area	Light Pole Base	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	185	0	mg/cm2	Negative	1	5/10/23	11:21:58	R.Alejandro	100-116	Exterior	Public Plaza / West Area	Light Pole Base	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	186	0	mg/cm2	Negative	1	5/10/23	11:23:06	R.Alejandro	100-116	Exterior	Public Plaza / West Area	Trash	Metal	-	Black	Intact	-

Plaza Pública Gurabo y Mejoras a sus Aceras colindantes XRF SHEET

Company	**Viken Detection**
Model	Pb200i
Type	XRF Lead Paint Analyzer
Serial Num.	2703
App Version	Pb200i-5.2.0

Job Id	Reading #	Concentration	Units	Result	Level	Date	Time	Inspector	Job	Room	Structure	Component	Substrate	Wall	Color	Condition	Approx. Qty.
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	187	0.5	mg/cm2	Negative	1	5/10/23	11:23:44	R.Alejandro	100-116	Exterior	Public Plaza / West Area	Sing Pole	Metal	-	Black	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	188	6.1	mg/cm2	Positive	1	5/10/23	11:28:35	R.Alejandro	100-116	Exterior	Public Plaza / North Area / Left Statue	Statue	Metal	-	Brown	Intact	1 unit
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	189	6.7	mg/cm2	Positive	1	5/10/23	11:28:53	R.Alejandro	100-116	Exterior	Public Plaza / North Area / Left Statue	Statue	Metal	-	Brown	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	190	3.9	mg/cm2	Positive	1	5/10/23	11:29:25	R.Alejandro	100-116	Exterior	Public Plaza / North Area / Right Statue	Statue	Metal	-	Brown	Intact	1 unit
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	191	6.4	mg/cm2	Positive	1	5/10/23	11:29:40	R.Alejandro	100-116	Exterior	Public Plaza / North Area / Right Statue	Statue	Metal	-	Brown	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	192	6.5	mg/cm2	Positive	1	5/10/23	11:30:11	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Left Statue	Statue	Metal	-	Brown	Intact	1 unit
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	193	5.7	mg/cm2	Positive	1	5/10/23	11:31:03	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Left Statue	Statue	Metal	-	Brown	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	194	5.4	mg/cm2	Positive	1	5/10/23	11:31:27	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Right Statue	Statue	Metal	-	Brown	Intact	1 unit
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	195	6.2	mg/cm2	Positive	1	5/10/23	11:31:58	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Right Statue	Statue	Metal	-	Brown	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	196	6	mg/cm2	Positive	1	5/10/23	11:32:10	R.Alejandro	100-116	Exterior	Public Plaza / South Area / Right Statue	Statue	Metal	-	Brown	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	197	0	mg/cm2	Negative	1	5/10/23	11:54:20	R.Alejandro	100-116	Exterior	Public Plaza/ Parking South Side	Floor Mark	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	198	0	mg/cm2	Negative	1	5/10/23	11:54:34	R.Alejandro	100-116	Exterior	Public Plaza/ Parking South Side	Floor Mark	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	199	0.3	mg/cm2	Negative	1	5/10/23	11:54:51	R.Alejandro	100-116	Exterior	Public Plaza/ Parking South Side	Floor Mark	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	200	0	mg/cm2	Negative	1	5/10/23	11:55:22	R.Alejandro	100-116	Exterior	Public Plaza/ Parking South Side	Floor Mark	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	201	0	mg/cm2	Negative	1	5/10/23	11:55:39	R.Alejandro	100-116	Exterior	Public Plaza/ Parking South Side	Floor Mark	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	202	0	mg/cm2	Negative	1	5/10/23	11:56:53	R.Alejandro	100-116	Exterior	Public Plaza/ Parking South Side	Floor Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	203	0	mg/cm2	Negative	1	5/10/23	11:57:07	R.Alejandro	100-116	Exterior	Public Plaza/ Parking South Side	Floor Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	204	0	mg/cm2	Negative	1	5/10/23	11:59:16	R.Alejandro	100-116	Exterior	Public Plaza/ Parking South Side	Wheel Stop	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	205	0.1	mg/cm2	Negative	1	5/10/23	11:59:31	R.Alejandro	100-116	Exterior	Public Plaza/ Parking South Side	Wheel Stop	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	206	0.2	mg/cm2	Negative	1	5/10/23	11:59:49	R.Alejandro	100-116	Exterior	Public Plaza/ Parking South Side	Wheel Stop	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	207	0	mg/cm2	Negative	1	5/10/23	12:00:16	R.Alejandro	100-116	Exterior	Public Plaza/ Parking South Side	Wheel Stop	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	208	0	mg/cm2	Negative	1	5/10/23	12:00:28	R.Alejandro	100-116	Exterior	Public Plaza/ Parking South Side	Wheel Stop	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	209	0.2	mg/cm2	Negative	1	5/10/23	12:00:46	R.Alejandro	100-116	Exterior	Public Plaza/ Parking South Side	Wheel Stop	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	210	0.2	mg/cm2	Negative	1	5/10/23	12:02:45	R.Alejandro	100-116	Exterior	Public Plaza/ Parking South Side	Floor	Concrete	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	211	0	mg/cm2	Negative	1	5/10/23	12:03:01	R.Alejandro	100-116	Exterior	Public Plaza/ Parking South Side	Floor	Concrete	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	212	0.1	mg/cm2	Negative	1	5/10/23	12:03:22	R.Alejandro	100-116	Exterior	Public Plaza/ Parking South Side	Floor	Concrete	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	213	0.9	mg/cm2	Negative	1	5/10/23	12:04:54	R.Alejandro	100-116	Exterior	South Sidewalk Area/ Eugenio Sanchez Lopez Street	Electric Pole	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	214	0	mg/cm2	Negative	1	5/10/23	12:05:35	R.Alejandro	100-116	Exterior	South Sidewalk Area/ Eugenio Sanchez Lopez Street	Electric Pole	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	215	0	mg/cm2	Negative	1	5/10/23	12:05:55	R.Alejandro	100-116	Exterior	South Sidewalk Area/ Eugenio Sanchez Lopez Street	Electric Pole	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	216	0.1	mg/cm2	Negative	1	5/10/23	12:13:44	R.Alejandro	100-116	Exterior	South Sidewalk Area/ Eugenio Sanchez Lopez Street	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	217	0.1	mg/cm2	Negative	1	5/10/23	12:13:57	R.Alejandro	100-116	Exterior	South Sidewalk Area/ Eugenio Sanchez Lopez Street	Curb	Concrete	-	White	Intact	-

Plaza Pública Gurabo y Mejoras a sus Aceras colindantes XRF SHEET

Company	**Viken Detection**
Model	Pb200i
Type	XRF Lead Paint Analyzer
Serial Num.	2703
App Version	Pb200i-5.2.0

Job Id	Reading #	Concentration	Units	Result	Level	Date	Time	Inspector	Job	Room	Structure	Component	Substrate	Wall	Color	Condition	Approx. Qty.
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	218	0.1	mg/cm2	Negative	1	5/10/23	12:14:10	R.Alejandro	100-116	Exterior	South Sidewalk Area/ Eugenio Sanchez Lopez Street	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	219	0.1	mg/cm2	Negative	1	5/10/23	12:14:23	R.Alejandro	100-116	Exterior	South Sidewalk Area/ Eugenio Sanchez Lopez Street	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	220	0.3	mg/cm2	Negative	1	5/10/23	12:14:38	R.Alejandro	100-116	Exterior	South Sidewalk Area/ Eugenio Sanchez Lopez Street	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	221	0	mg/cm2	Negative	1	5/10/23	12:14:52	R.Alejandro	100-116	Exterior	South Sidewalk Area/ Eugenio Sanchez Lopez Street	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	222	0.2	mg/cm2	Negative	1	5/10/23	12:15:11	R.Alejandro	100-116	Exterior	South Sidewalk Area/ Eugenio Sanchez Lopez Street	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	223	0.1	mg/cm2	Negative	1	5/10/23	12:15:25	R.Alejandro	100-116	Exterior	South Sidewalk Area/ Eugenio Sanchez Lopez Street	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	224	0.2	mg/cm2	Negative	1	5/10/23	12:16:43	R.Alejandro	100-116	Exterior	South Sidewalk Area/ Eugenio Sanchez Lopez Street	Floor Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	225	0	mg/cm2	Negative	1	5/10/23	12:18:54	R.Alejandro	100-116	Exterior	South Sidewalk Area/ Eugenio Sanchez Lopez Street	Wheel Stop	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	226	0.2	mg/cm2	Negative	1	5/10/23	12:19:28	R.Alejandro	100-116	Exterior	South Sidewalk Area/ Eugenio Sanchez Lopez Street	Wheel Stop	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	227	0	mg/cm2	Negative	1	5/10/23	12:19:44	R.Alejandro	100-116	Exterior	South Sidewalk Area/ Eugenio Sanchez Lopez Street	Wheel Stop	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	228	0	mg/cm2	Negative	1	5/10/23	12:20:01	R.Alejandro	100-116	Exterior	South Sidewalk Area/ Eugenio Sanchez Lopez Street	Wheel Stop	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	229	0	mg/cm2	Negative	1	5/10/23	12:20:20	R.Alejandro	100-116	Exterior	South Sidewalk Area/ Eugenio Sanchez Lopez Street	Wheel Stop	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	230	0.1	mg/cm2	Negative	1	5/10/23	12:21:01	R.Alejandro	100-116	Exterior	South Sidewalk Area/ Eugenio Sanchez Lopez Street	Floor Mark	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	231	0	mg/cm2	Negative	1	5/10/23	12:21:24	R.Alejandro	100-116	Exterior	South Sidewalk Area/ Eugenio Sanchez Lopez Street	Floor Mark	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	232	0	mg/cm2	Negative	1	5/10/23	12:21:39	R.Alejandro	100-116	Exterior	South Sidewalk Area/ Eugenio Sanchez Lopez Street	Floor Mark	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	233	0	mg/cm2	Negative	1	5/10/23	12:22:06	R.Alejandro	100-116	Exterior	South Sidewalk Area/ Eugenio Sanchez Lopez Street	Floor Mark	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	234	0.2	mg/cm2	Negative	1	5/10/23	12:22:24	R.Alejandro	100-116	Exterior	South Sidewalk Area/ Eugenio Sanchez Lopez Street	Floor Mark	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	235	0.2	mg/cm2	Negative	1	5/10/23	12:22:39	R.Alejandro	100-116	Exterior	South Sidewalk Area/ Eugenio Sanchez Lopez Street	Floor Mark	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	236	0.2	mg/cm2	Negative	1	5/10/23	12:23:17	R.Alejandro	100-116	Exterior	South Sidewalk Area/ Eugenio Sanchez Lopez Street	Floor Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	237	0.1	mg/cm2	Negative	1	5/10/23	12:24:43	R.Alejandro	100-116	Exterior	South Sidewalk Area/ Eugenio Sanchez Lopez Street	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	238	0.1	mg/cm2	Negative	1	5/10/23	12:24:57	R.Alejandro	100-116	Exterior	South Sidewalk Area/ Eugenio Sanchez Lopez Street	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	239	0.1	mg/cm2	Negative	1	5/10/23	12:28:19	R.Alejandro	100-116	Exterior	Calibration	-	-	-		-	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	240	1	mg/cm2	Positive	1	5/10/23	12:28:46	R.Alejandro	100-116	Exterior	Calibration	-	-	-		-	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	241	0.1	mg/cm2	Negative	1	5/10/23	12:29:40	R.Alejandro	100-116	Exterior	Calibration	-	-	-		-	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	333	0.1	mg/cm2	Negative	1	5/10/23	14:12:04	R.Alejandro	100-116	Exterior	Calibration	-	-	-		-	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	334	0.1	mg/cm2	Negative	1	5/10/23	14:12:52	R.Alejandro	100-116	Exterior	Calibration	-	-	-		-	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	335	1	mg/cm2	Positive	1	5/10/23	14:14:18	R.Alejandro	100-116	Exterior	Calibration	-	-	-		-	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	336	0	mg/cm2	Negative	1	5/10/23	14:16:24	R.Alejandro	100-116	Exterior	West Sidewalk Area/ PR-943 Street	Floor Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	337	0.1	mg/cm2	Negative	1	5/10/23	14:18:52	R.Alejandro	100-116	Exterior	West Sidewalk Area/ PR-943 Street	Floor Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	338	0.1	mg/cm2	Negative	1	5/10/23	14:19:01	R.Alejandro	100-116	Exterior	West Sidewalk Area/ PR-943 Street	Floor Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	339	0	mg/cm2	Negative	1	5/10/23	14:19:29	R.Alejandro	100-116	Exterior	West Sidewalk Area/ PR-943 Street	Curb	Concrete	-	White	Intact	-

Plaza Pública Gurabo y Mejoras a sus Aceras colindantes XRF SHEET

Company	**Viken Detection**
Model	Pb200i
Type	XRF Lead Paint Analyzer
Serial Num.	2703
App Version	Pb200i-5.2.0

Job Id	Reading #	Concentration	Units	Result	Level	Date	Time	Inspector	Job	Room	Structure	Component	Substrate	Wall	Color	Condition	Approx. Qty.
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	340	0	mg/cm2	Negative	1	5/10/23	14:19:48	R.Alejandro	100-116	Exterior	West Sidewalk Area/ PR-943 Street	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	341	0.1	mg/cm2	Negative	1	5/10/23	14:20:08	R.Alejandro	100-116	Exterior	West Sidewalk Area/ PR-943 Street	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	342	0.2	mg/cm2	Negative	1	5/10/23	14:20:25	R.Alejandro	100-116	Exterior	West Sidewalk Area/ PR-943 Street	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	343	0.1	mg/cm2	Negative	1	5/10/23	14:20:44	R.Alejandro	100-116	Exterior	West Sidewalk Area/ PR-943 Street	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	344	0.1	mg/cm2	Negative	1	5/10/23	14:21:03	R.Alejandro	100-116	Exterior	West Sidewalk Area/ PR-943 Street	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	345	0.2	mg/cm2	Negative	1	5/10/23	14:21:13	R.Alejandro	100-116	Exterior	West Sidewalk Area/ PR-943 Street	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	346	0	mg/cm2	Negative	1	5/10/23	14:21:31	R.Alejandro	100-116	Exterior	West Sidewalk Area/ PR-943 Street	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	347	0	mg/cm2	Negative	1	5/10/23	14:21:53	R.Alejandro	100-116	Exterior	West Sidewalk Area/ PR-943 Street	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	348	0	mg/cm2	Negative	1	5/10/23	14:23:04	R.Alejandro	100-116	Exterior	West Sidewalk Area/ PR-943 Street	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	349	0.1	mg/cm2	Negative	1	5/10/23	14:23:26	R.Alejandro	100-116	Exterior	West Sidewalk Area/ PR-943 Street	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	350	0	mg/cm2	Negative	1	5/10/23	14:33:20	R.Alejandro	100-116	Exterior	Public Plaza/ Parking West Side	Wheel Stop	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	351	0	mg/cm2	Negative	1	5/10/23	14:33:29	R.Alejandro	100-116	Exterior	Public Plaza/ Parking West Side	Wheel Stop	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	352	0	mg/cm2	Negative	1	5/10/23	14:33:38	R.Alejandro	100-116	Exterior	Public Plaza/ Parking West Side	Floor Mark	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	353	0	mg/cm2	Negative	1	5/10/23	14:33:48	R.Alejandro	100-116	Exterior	Public Plaza/ Parking West Side	Floor Mark	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	354	0	mg/cm2	Negative	1	5/10/23	14:33:56	R.Alejandro	100-116	Exterior	Public Plaza/ Parking West Side	Floor	Concrete	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	355	0	mg/cm2	Negative	1	5/10/23	14:34:04	R.Alejandro	100-116	Exterior	Public Plaza/ Parking West Side	Floor	Concrete	-	Brown	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	356	0	mg/cm2	Negative	1	5/10/23	14:34:13	R.Alejandro	100-116	Exterior	West Sidewalk Area/ PR-943 Street	Curb	Concrete	-	White	Intact	Duplicate
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	357	0	mg/cm2	Negative	1	5/10/23	14:34:21	R.Alejandro	100-116	Exterior	West Sidewalk Area/ PR-943 Street	Curb	Concrete	-	White	Intact	Duplicate
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	358	0	mg/cm2	Negative	1	5/10/23	14:34:30	R.Alejandro	100-116	Exterior	West Sidewalk Area/ PR-943 Street	Curb	Concrete	-	White	Intact	Duplicate
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	359	0	mg/cm2	Negative	1	5/10/23	14:34:37	R.Alejandro	100-116	Exterior	West Sidewalk Area/ PR-943 Street	Curb	Concrete	-	White	Intact	Duplicate
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	360	0	mg/cm2	Negative	1	5/10/23	14:34:53	R.Alejandro	100-116	Exterior	Public Plaza/ Parking West Side	Wheel Stop	Concrete	-	White	Intact	Duplicate
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	361	0	mg/cm2	Negative	1	5/10/23	14:35:00	R.Alejandro	100-116	Exterior	Public Plaza/ Parking West Side	Wheel Stop	Concrete	-	White	Intact	Duplicate
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	362	0	mg/cm2	Negative	1	5/10/23	14:35:09	R.Alejandro	100-116	Exterior	Public Plaza/ Parking West Side	Floor Mark	Concrete	-	White	Intact	Duplicate
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	363	0	mg/cm2	Negative	1	5/10/23	14:35:20	R.Alejandro	100-116	Exterior	Public Plaza/ Parking West Side	Floor Mark	Concrete	-	White	Intact	Duplicate
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	364	0	mg/cm2	Negative	1	5/10/23	14:35:30	R.Alejandro	100-116	Exterior	Public Plaza/ Parking West Side	Floor	Concrete	-	Brown	Intact	Duplicate
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	365	0	mg/cm2	Negative	1	5/10/23	14:35:39	R.Alejandro	100-116	Exterior	Public Plaza/ Parking West Side	Floor	Concrete	-	Brown	Intact	Duplicate
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	366	1.1	mg/cm2	Positive	1	5/10/23	14:38:05	R.Alejandro	100-116	Exterior	Calibration	-	-	-	-	-	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	367	1	mg/cm2	Positive	1	5/10/23	14:38:24	R.Alejandro	100-116	Exterior	Calibration	-	-	-	-	-	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	368	1	mg/cm2	Positive	1	5/10/23	14:39:12	R.Alejandro	100-116	Exterior	Calibration	-	-	-	-	-	-

Plaza Pública Gurabo y Mejoras a sus Aceras colindantes XRF SHEET

Company	**Viken Detection**
Model	Pb200i
Type	XRF Lead Paint Analyzer
Serial Num.	2703
App Version	Pb200i-5.2.0

Job Id	Reading #	Concentration	Units	Result	Level	Date	Time	Inspector	Job	Room	Structure	Component	Substrate	Wall	Color	Condition	Approx. Qty.
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	1	0.9	mg/cm2	Negative	1	5/11/2023	8:07:28	R.Alejandro	100-116	Exterior	Calibration	-	-	-	-	-	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	2	1.1	mg/cm2	Positive	1	5/11/2023	8:07:43	R.Alejandro	100-116	Exterior	Calibration	-	-	-	-	-	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	3	0.9	mg/cm2	Negative	1	5/11/2023	8:07:57	R.Alejandro	100-116	Exterior	Calibration	-	-	-	-	-	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	4	0.7	mg/cm2	Negative	1	5/11/2023	8:32:41	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	5	0.4	mg/cm2	Negative	1	5/11/2023	8:33:10	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	6	0.9	mg/cm2	Negative	1	5/11/2023	8:33:23	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	7	0.2	mg/cm2	Negative	1	5/11/2023	8:34:04	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	8	0.3	mg/cm2	Negative	1	5/11/2023	8:34:20	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	9	0	mg/cm2	Negative	1	5/11/2023	8:34:35	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	10	0	mg/cm2	Negative	1	5/11/2023	8:35:06	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	11	0.9	mg/cm2	Negative	1	5/11/2023	8:35:17	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	12	0.3	mg/cm2	Negative	1	5/11/2023	8:35:45	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	13	0.3	mg/cm2	Negative	1	5/11/2023	8:35:59	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	14	0.1	mg/cm2	Negative	1	5/11/2023	8:36:21	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	15	0.5	mg/cm2	Negative	1	5/11/2023	8:36:31	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	16	0.5	mg/cm2	Negative	1	5/11/2023	8:36:58	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	17	0.1	mg/cm2	Negative	1	5/11/2023	8:37:10	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	18	0.2	mg/cm2	Negative	1	5/11/2023	8:37:31	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	19	0.4	mg/cm2	Negative	1	5/11/2023	8:37:43	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	20	0.1	mg/cm2	Negative	1	5/11/2023	8:37:58	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	21	0.1	mg/cm2	Negative	1	5/11/2023	8:38:18	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	22	0	mg/cm2	Negative	1	5/11/2023	8:38:40	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	23	0	mg/cm2	Negative	1	5/11/2023	8:39:06	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	24	0.1	mg/cm2	Negative	1	5/11/2023	8:39:21	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	25	0.1	mg/cm2	Negative	1	5/11/2023	8:39:47	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	26	0	mg/cm2	Negative	1	5/11/2023	8:40:02	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	27	0.1	mg/cm2	Negative	1	5/11/2023	8:40:37	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	28	0	mg/cm2	Negative	1	5/11/2023	8:40:50	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	29	0.2	mg/cm2	Negative	1	5/11/2023	8:41:10	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	Blue	Intact	-

Plaza Pública Gurabo y Mejoras a sus Aceras colindantes XRF SHEET

Company	**Viken Detection**
Model	Pb200i
Type	XRF Lead Paint Analyzer
Serial Num.	2703
App Version	Pb200i-5.2.0

Job Id	Reading #	Concentration	Units	Result	Level	Date	Time	Inspector	Job	Room	Structure	Component	Substrate	Wall	Color	Condition	Approx. Qty.
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	30	0.1	mg/cm2	Negative	1	5/11/2023	8:41:21	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	31	0.1	mg/cm2	Negative	1	5/11/2023	8:42:00	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	32	0.4	mg/cm2	Negative	1	5/11/2023	8:42:15	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	33	0.2	mg/cm2	Negative	1	5/11/2023	8:42:41	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	34	0.7	mg/cm2	Negative	1	5/11/2023	8:42:59	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	35	0.7	mg/cm2	Negative	1	5/11/2023	8:43:24	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	36	0.9	mg/cm2	Negative	1	5/11/2023	8:44:18	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	37	0	mg/cm2	Negative	1	5/11/2023	8:45:10	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	38	0.2	mg/cm2	Negative	1	5/11/2023	8:45:26	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	39	0.9	mg/cm2	Negative	1	5/11/2023	8:45:56	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	40	0.8	mg/cm2	Negative	1	5/11/2023	8:46:14	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	41	0.1	mg/cm2	Negative	1	5/11/2023	8:46:48	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	42	0.4	mg/cm2	Negative	1	5/11/2023	8:47:10	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	43	0.6	mg/cm2	Negative	1	5/11/2023	8:47:42	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	44	0.9	mg/cm2	Negative	1	5/11/2023	8:47:58	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	45	0.6	mg/cm2	Negative	1	5/11/2023	8:48:55	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	46	0.1	mg/cm2	Negative	1	5/11/2023	8:49:30	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	47	0.1	mg/cm2	Negative	1	5/11/2023	8:49:51	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	48	0	mg/cm2	Negative	1	5/11/2023	8:50:20	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	49	0.6	mg/cm2	Negative	1	5/11/2023	8:50:36	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	50	0.5	mg/cm2	Negative	1	5/11/2023	8:50:54	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	51	0	mg/cm2	Negative	1	5/11/2023	8:51:25	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	52	0.1	mg/cm2	Negative	1	5/11/2023	8:51:42	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	53	0.1	mg/cm2	Negative	1	5/11/2023	8:51:59	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	54	0.1	mg/cm2	Negative	1	5/11/2023	8:52:12	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	55	0.3	mg/cm2	Negative	1	5/11/2023	8:52:48	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	56	0.5	mg/cm2	Negative	1	5/11/2023	8:53:07	R.Alejandro	100-116	Exterior	Juan R. Quiñones Sreet/ South to North	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	57	0.3	mg/cm2	Negative	1	5/11/2023	8:55:56	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	58	0	mg/cm2	Negative	1	5/11/2023	8:56:07	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Curb	Concrete	-	Yellow	Intact	-

Plaza Pública Gurabo y Mejoras a sus Aceras colindantes XRF SHEET

Company	**Viken Detection**
Model	Pb200i
Type	XRF Lead Paint Analyzer
Serial Num.	2703
App Version	Pb200i-5.2.0

Job Id	Reading #	Concentration	Units	Result	Level	Date	Time	Inspector	Job	Room	Structure	Component	Substrate	Wall	Color	Condition	Approx. Qty.
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	59	0.1	mg/cm2	Negative	1	5/11/2023	8:56:27	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	60	0	mg/cm2	Negative	1	5/11/2023	8:56:47	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	61	0	mg/cm2	Negative	1	5/11/2023	8:57:38	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	62	0	mg/cm2	Negative	1	5/11/2023	8:57:49	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	63	0.3	mg/cm2	Negative	1	5/11/2023	8:58:14	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	64	0.5	mg/cm2	Negative	1	5/11/2023	8:58:23	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	65	0.1	mg/cm2	Negative	1	5/11/2023	8:58:54	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Ramp	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	66	0	mg/cm2	Negative	1	5/11/2023	8:59:08	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Ramp	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	67	0.1	mg/cm2	Negative	1	5/11/2023	9:00:15	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Sidewalk	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	68	0.1	mg/cm2	Negative	1	5/11/2023	9:00:28	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Sidewalk	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	69	0.2	mg/cm2	Negative	1	5/11/2023	9:00:43	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Sidewalk	Concrete	-	Green	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	70	0.1	mg/cm2	Negative	1	5/11/2023	9:01:29	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	71	0	mg/cm2	Negative	1	5/11/2023	9:01:43	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	72	0	mg/cm2	Negative	1	5/11/2023	9:02:01	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	73	0.1	mg/cm2	Negative	1	5/11/2023	9:02:16	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	74	0.1	mg/cm2	Negative	1	5/11/2023	9:02:43	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	75	0.4	mg/cm2	Negative	1	5/11/2023	9:02:51	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	76	0.3	mg/cm2	Negative	1	5/11/2023	9:03:29	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	77	0.1	mg/cm2	Negative	1	5/11/2023	9:03:48	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	78	0.8	mg/cm2	Negative	1	5/11/2023	9:04:09	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	79	0.5	mg/cm2	Negative	1	5/11/2023	9:04:34	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	80	0	mg/cm2	Negative	1	5/11/2023	9:05:12	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	81	0.2	mg/cm2	Negative	1	5/11/2023	9:05:38	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	82	0.1	mg/cm2	Negative	1	5/11/2023	9:05:57	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	83	0	mg/cm2	Negative	1	5/11/2023	9:06:35	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	84	0.1	mg/cm2	Negative	1	5/11/2023	9:06:50	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	85	0.5	mg/cm2	Negative	1	5/11/2023	9:07:19	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Curb	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	86	0	mg/cm2	Negative	1	5/11/2023	9:07:36	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Curb	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	87	0.2	mg/cm2	Negative	1	5/11/2023	9:08:16	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Ramp	Concrete	-	Blue	Intact	-

Plaza Pública Gurabo y Mejoras a sus Aceras colindantes XRF SHEET

Company	**Viken Detection**
Model	Pb200i
Type	XRF Lead Paint Analyzer
Serial Num.	2703
App Version	Pb200i-5.2.0

Job Id	Reading #	Concentration	Units	Result	Level	Date	Time	Inspector	Job	Room	Structure	Component	Substrate	Wall	Color	Condition	Approx. Qty.
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	88	0.1	mg/cm2	Negative	1	5/11/2023	9:08:25	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	89	0.6	mg/cm2	Negative	1	5/11/2023	9:08:58	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	90	0	mg/cm2	Negative	1	5/11/2023	9:09:20	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	91	0.2	mg/cm2	Negative	1	5/11/2023	9:10:02	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	92	0.2	mg/cm2	Negative	1	5/11/2023	9:10:14	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	93	0	mg/cm2	Negative	1	5/11/2023	9:10:32	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	94	0.1	mg/cm2	Negative	1	5/11/2023	9:11:27	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	95	0.5	mg/cm2	Negative	1	5/11/2023	9:12:01	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	96	0	mg/cm2	Negative	1	5/11/2023	9:12:30	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	97	0.2	mg/cm2	Negative	1	5/11/2023	9:12:49	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	98	0	mg/cm2	Negative	1	5/11/2023	9:13:07	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	99	0	mg/cm2	Negative	1	5/11/2023	9:13:32	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	100	0.1	mg/cm2	Negative	1	5/11/2023	9:14:36	R.Alejandro	100-116	Exterior	Lago Street/ East to West	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	101	0.1	mg/cm2	Negative	1	5/11/2023	9:15:44	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	102	0	mg/cm2	Negative	1	5/11/2023	9:15:56	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	103	0.1	mg/cm2	Negative	1	5/11/2023	9:16:23	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	104	0.1	mg/cm2	Negative	1	5/11/2023	9:16:32	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	105	0	mg/cm2	Negative	1	5/11/2023	9:16:49	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	106	0	mg/cm2	Negative	1	5/11/2023	9:17:08	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	107	0	mg/cm2	Negative	1	5/11/2023	9:17:22	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	108	1	mg/cm2	Positive	1	5/11/2023	9:43:05	R.Alejandro	-	-	Calibration	-	-	-	-	-	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	109	1.1	mg/cm2	Positive	1	5/11/2023	9:43:20	R.Alejandro	-	-	Calibration	-	-	-	-	-	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	110	1.1	mg/cm2	Positive	1	5/11/2023	9:43:34	R.Alejandro	-	-	Calibration	-	-	-	-	-	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	111	0.1	mg/cm2	Negative	1	5/11/2023	9:44:52	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Ramp	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	112	0.1	mg/cm2	Negative	1	5/11/2023	9:45:03	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Ramp	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	113	0	mg/cm2	Negative	1	5/11/2023	9:45:28	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	114	0.1	mg/cm2	Negative	1	5/11/2023	9:46:26	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	115	0.1	mg/cm2	Negative	1	5/11/2023	9:46:46	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	116	0.2	mg/cm2	Negative	1	5/11/2023	9:47:11	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	Yellow	Intact	-

Plaza Pública Gurabo y Mejoras a sus Aceras colindantes XRF SHEET

Company	**Viken Detection**
Model	Pb200i
Type	XRF Lead Paint Analyzer
Serial Num.	2703
App Version	Pb200i-5.2.0

Job Id	Reading #	Concentration	Units	Result	Level	Date	Time	Inspector	Job	Room	Structure	Component	Substrate	Wall	Color	Condition	Approx. Qty.
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	117	0.8	mg/cm2	Negative	1	5/11/2023	9:47:31	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	118	0.9	mg/cm2	Negative	1	5/11/2023	9:48:05	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	119	0.2	mg/cm2	Negative	1	5/11/2023	9:48:22	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	120	0.1	mg/cm2	Negative	1	5/11/2023	9:49:33	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	121	0.1	mg/cm2	Negative	1	5/11/2023	9:49:51	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	122	0.2	mg/cm2	Negative	1	5/11/2023	9:50:45	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	123	0.2	mg/cm2	Negative	1	5/11/2023	9:51:16	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	124	0.1	mg/cm2	Negative	1	5/11/2023	9:51:44	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	125	0.5	mg/cm2	Negative	1	5/11/2023	9:52:14	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	126	0.8	mg/cm2	Negative	1	5/11/2023	9:52:23	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	127	0.4	mg/cm2	Negative	1	5/11/2023	9:52:44	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	128	0.1	mg/cm2	Negative	1	5/11/2023	9:53:22	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	129	0.7	mg/cm2	Negative	1	5/11/2023	9:53:45	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	130	0.6	mg/cm2	Negative	1	5/11/2023	9:54:47	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	131	0	mg/cm2	Negative	1	5/11/2023	9:55:21	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	132	0.9	mg/cm2	Negative	1	5/11/2023	9:55:59	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	133	0.8	mg/cm2	Negative	1	5/11/2023	9:56:14	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	134	0.9	mg/cm2	Negative	1	5/11/2023	9:57:11	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	135	0.1	mg/cm2	Negative	1	5/11/2023	9:57:30	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	136	0.2	mg/cm2	Negative	1	5/11/2023	9:57:58	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	137	0	mg/cm2	Negative	1	5/11/2023	9:58:20	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	138	0.1	mg/cm2	Negative	1	5/11/2023	9:58:49	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	139	0.1	mg/cm2	Negative	1	5/11/2023	9:59:03	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	140	0.1	mg/cm2	Negative	1	5/11/2023	9:59:14	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	141	0	mg/cm2	Negative	1	5/11/2023	9:59:30	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	142	0.3	mg/cm2	Negative	1	5/11/2023	10:00:27	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	143	0	mg/cm2	Negative	1	5/11/2023	10:00:46	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	144	0	mg/cm2	Negative	1	5/11/2023	10:01:02	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	145	0.2	mg/cm2	Negative	1	5/11/2023	10:01:30	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	Yellow	Intact	-

Plaza Pública Gurabo y Mejoras a sus Aceras colindantes XRF SHEET

Company	**Viken Detection**
Model	Pb200i
Type	XRF Lead Paint Analyzer
Serial Num.	2703
App Version	Pb200i-5.2.0

Job Id	Reading #	Concentration	Units	Result	Level	Date	Time	Inspector	Job	Room	Structure	Component	Substrate	Wall	Color	Condition	Approx. Qty.
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	146	2.8	mg/cm2	Positive	1	5/11/2023	10:01:47	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	Yellow	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	147	3.6	mg/cm2	Positive	1	5/11/2023	10:02:05	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	Yellow	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	148	2.7	mg/cm2	Positive	1	5/11/2023	10:02:26	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	Yellow	Intact	150 Lf.
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	149	2.6	mg/cm2	Positive	1	5/11/2023	10:02:57	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	Yellow	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	150	2.3	mg/cm2	Positive	1	5/11/2023	10:03:17	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	Yellow	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	151	0.1	mg/cm2	Negative	1	5/11/2023	10:03:40	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	152	0.3	mg/cm2	Negative	1	5/11/2023	10:03:54	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	153	0.1	mg/cm2	Negative	1	5/11/2023	10:04:13	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	154	0	mg/cm2	Negative	1	5/11/2023	10:04:32	R.Alejandro	100-116	Exterior	Matias Gonzalez Garcia Street/ North to South	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	155	0.2	mg/cm2	Negative	1	5/11/2023	10:08:05	R.Alejandro	100-116	Exterior	PR-189/ West to East	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	156	0.1	mg/cm2	Negative	1	5/11/2023	10:08:23	R.Alejandro	100-116	Exterior	PR-189/ West to East	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	157	0.1	mg/cm2	Negative	1	5/11/2023	10:08:44	R.Alejandro	100-116	Exterior	PR-189/ West to East	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	158	0	mg/cm2	Negative	1	5/11/2023	10:09:37	R.Alejandro	100-116	Exterior	PR-189/ West to East	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	159	0	mg/cm2	Negative	1	5/11/2023	10:09:45	R.Alejandro	100-116	Exterior	PR-189/ West to East	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	160	0	mg/cm2	Negative	1	5/11/2023	10:10:08	R.Alejandro	100-116	Exterior	PR-189/ West to East	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	161	0.5	mg/cm2	Negative	1	5/11/2023	10:10:16	R.Alejandro	100-116	Exterior	PR-189/ West to East	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	162	0	mg/cm2	Negative	1	5/11/2023	10:10:57	R.Alejandro	100-116	Exterior	PR-189/ West to East	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	163	0.1	mg/cm2	Negative	1	5/11/2023	10:11:11	R.Alejandro	100-116	Exterior	PR-189/ West to East	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	164	0.1	mg/cm2	Negative	1	5/11/2023	10:11:26	R.Alejandro	100-116	Exterior	PR-189/ West to East	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	165	0.1	mg/cm2	Negative	1	5/11/2023	10:11:42	R.Alejandro	100-116	Exterior	PR-189/ West to East	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	166	0.1	mg/cm2	Negative	1	5/11/2023	10:12:21	R.Alejandro	100-116	Exterior	PR-189/ West to East	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	167	1.3	mg/cm2	Positive	1	5/11/2023	10:12:37	R.Alejandro	100-116	Exterior	PR-189/ West to East	Curb	Concrete	-	Yellow	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	168	1.5	mg/cm2	Positive	1	5/11/2023	10:12:55	R.Alejandro	100-116	Exterior	PR-189/ West to East	Curb	Concrete	-	Yellow	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	169	1.4	mg/cm2	Positive	1	5/11/2023	10:13:17	R.Alejandro	100-116	Exterior	PR-189/ West to East	Curb	Concrete	-	Yellow	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	170	2.3	mg/cm2	Positive	1	5/11/2023	10:13:32	R.Alejandro	100-116	Exterior	PR-189/ West to East	Curb	Concrete	-	Yellow	Intact	100 lf
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	171	2.2	mg/cm2	Positive	1	5/11/2023	10:13:46	R.Alejandro	100-116	Exterior	PR-189/ West to East	Curb	Concrete	-	Yellow	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	172	1.4	mg/cm2	Positive	1	5/11/2023	10:14:00	R.Alejandro	100-116	Exterior	PR-189/ West to East	Curb	Concrete	-	Yellow	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	173	0	mg/cm2	Negative	1	5/11/2023	10:16:55	R.Alejandro	100-116	Exterior	PR-189/ West to East	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	174	0.4	mg/cm2	Negative	1	5/11/2023	10:17:11	R.Alejandro	100-116	Exterior	PR-189/ West to East	Curb	Concrete	-	Yellow	Intact	-

Plaza Pública Gurabo y Mejoras a sus Aceras colindantes XRF SHEET

Company	**Viken Detection**
Model	Pb200i
Type	XRF Lead Paint Analyzer
Serial Num.	2703
App Version	Pb200i-5.2.0

Job Id	Reading #	Concentration	Units	Result	Level	Date	Time	Inspector	Job	Room	Structure	Component	Substrate	Wall	Color	Condition	Approx. Qty.
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	175	0	mg/cm2	Negative	1	5/11/2023	10:17:25	R.Alejandro	100-116	Exterior	PR-189/ West to East	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	176	0	mg/cm2	Negative	1	5/11/2023	10:17:34	R.Alejandro	100-116	Exterior	PR-189/ West to East	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	177	0.2	mg/cm2	Negative	1	5/11/2023	10:17:51	R.Alejandro	100-116	Exterior	PR-189/ West to East	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	178	0.2	mg/cm2	Negative	1	5/11/2023	10:18:12	R.Alejandro	100-116	Exterior	PR-189/ West to East	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	179	0.2	mg/cm2	Negative	1	5/11/2023	10:18:43	R.Alejandro	100-116	Exterior	PR-189/ West to East	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	180	0.1	mg/cm2	Negative	1	5/11/2023	10:19:19	R.Alejandro	100-116	Exterior	PR-189/ West to East	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	181	0	mg/cm2	Negative	1	5/11/2023	10:19:38	R.Alejandro	100-116	Exterior	PR-189/ West to East	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	182	0.1	mg/cm2	Negative	1	5/11/2023	10:19:55	R.Alejandro	100-116	Exterior	PR-189/ West to East	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	183	0.2	mg/cm2	Negative	1	5/11/2023	10:20:22	R.Alejandro	100-116	Exterior	PR-189/ West to East	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	184	0.1	mg/cm2	Negative	1	5/11/2023	10:21:07	R.Alejandro	100-116	Exterior	PR-189/ West to East	Floor Mark	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	185	0.1	mg/cm2	Negative	1	5/11/2023	10:21:26	R.Alejandro	100-116	Exterior	PR-189/ West to East	Floor Mark	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	186	0.2	mg/cm2	Negative	1	5/11/2023	10:21:48	R.Alejandro	100-116	Exterior	PR-189/ West to East	Floor Mark	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	187	0.1	mg/cm2	Negative	1	5/11/2023	10:22:09	R.Alejandro	100-116	Exterior	PR-189/ West to East	Floor Mark	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	188	0	mg/cm2	Negative	1	5/11/2023	10:22:46	R.Alejandro	100-116	Exterior	PR-189/ West to East	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	189	0	mg/cm2	Negative	1	5/11/2023	10:22:56	R.Alejandro	100-116	Exterior	PR-189/ West to East	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	190	0.1	mg/cm2	Negative	1	5/11/2023	10:23:14	R.Alejandro	100-116	Exterior	PR-189/ West to East	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	191	0.2	mg/cm2	Negative	1	5/11/2023	10:23:58	R.Alejandro	100-116	Exterior	PR-189/ West to East	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	192	0	mg/cm2	Negative	1	5/11/2023	10:24:14	R.Alejandro	100-116	Exterior	PR-189/ West to East	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	193	0.1	mg/cm2	Negative	1	5/11/2023	10:24:28	R.Alejandro	100-116	Exterior	PR-189/ West to East	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	194	0.1	mg/cm2	Negative	1	5/11/2023	10:25:14	R.Alejandro	100-116	Exterior	PR-189/ West to East	Floor Mark	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	195	0	mg/cm2	Negative	1	5/11/2023	10:25:25	R.Alejandro	100-116	Exterior	PR-189/ West to East	Floor Mark	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	196	0.2	mg/cm2	Negative	1	5/11/2023	10:26:02	R.Alejandro	100-116	Exterior	PR-189/ West to East	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	197	0	mg/cm2	Negative	1	5/11/2023	10:26:18	R.Alejandro	100-116	Exterior	PR-189/ West to East	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	198	0	mg/cm2	Negative	1	5/11/2023	10:26:45	R.Alejandro	100-116	Exterior	PR-189/ West to East	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	199	0.2	mg/cm2	Negative	1	5/11/2023	10:27:11	R.Alejandro	100-116	Exterior	PR-189/ West to East	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	200	0.4	mg/cm2	Negative	1	5/11/2023	10:27:22	R.Alejandro	100-116	Exterior	PR-189/ West to East	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	201	0.1	mg/cm2	Negative	1	5/11/2023	10:27:36	R.Alejandro	100-116	Exterior	PR-189/ West to East	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	202	0	mg/cm2	Negative	1	5/11/2023	10:27:58	R.Alejandro	100-116	Exterior	PR-189/ West to East	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	203	0.2	mg/cm2	Negative	1	5/11/2023	10:29:46	R.Alejandro	100-116	Exterior	PR-189/ West to East	Ramp	Concrete	-	Yellow	Intact	-

Plaza Pública Gurabo y Mejoras a sus Aceras colindantes XRF SHEET

Company	**Viken Detection**
Model	Pb200i
Type	XRF Lead Paint Analyzer
Serial Num.	2703
App Version	Pb200i-5.2.0

Job Id	Reading #	Concentration	Units	Result	Level	Date	Time	Inspector	Job	Room	Structure	Component	Substrate	Wall	Color	Condition	Approx. Qty.
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	204	0.8	mg/cm2	Negative	1	5/11/2023	10:32:23	R.Alejandro	100-116	Exterior	Eugenio Sanchez Lopez Street/ South East Area	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	205	0.7	mg/cm2	Negative	1	5/11/2023	10:32:35	R.Alejandro	100-116	Exterior	Eugenio Sanchez Lopez Street/ South East Area	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	206	0.4	mg/cm2	Negative	1	5/11/2023	10:33:01	R.Alejandro	100-116	Exterior	Eugenio Sanchez Lopez Street/ South East Area	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	207	0	mg/cm2	Negative	1	5/11/2023	10:33:31	R.Alejandro	100-116	Exterior	Eugenio Sanchez Lopez Street/ South East Area	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	208	0.2	mg/cm2	Negative	1	5/11/2023	10:33:47	R.Alejandro	100-116	Exterior	Eugenio Sanchez Lopez Street/ South East Area	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	209	0.2	mg/cm2	Negative	1	5/11/2023	10:34:32	R.Alejandro	100-116	Exterior	Eugenio Sanchez Lopez Street/ South East Area	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	210	0.1	mg/cm2	Negative	1	5/11/2023	10:34:41	R.Alejandro	100-116	Exterior	Eugenio Sanchez Lopez Street/ South East Area	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	211	0.2	mg/cm2	Negative	1	5/11/2023	10:35:52	R.Alejandro	100-116	Exterior	Eugenio Sanchez Lopez Street/ South East Area	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	212	0.2	mg/cm2	Negative	1	5/11/2023	10:36:02	R.Alejandro	100-116	Exterior	Eugenio Sanchez Lopez Street/ South East Area	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	213	2	mg/cm2	Positive	1	5/11/2023	10:36:49	R.Alejandro	100-116	Exterior	San Jose Street/ South East Area	Curb	Concrete	-	Yellow	Intact	50 lf
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	214	1.9	mg/cm2	Positive	1	5/11/2023	10:37:12	R.Alejandro	100-116	Exterior	San Jose Street/ South East Area	Curb	Concrete	-	Yellow	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	215	2.1	mg/cm2	Positive	1	5/11/2023	10:37:30	R.Alejandro	100-116	Exterior	San Jose Street/ South East Area	Curb	Concrete	-	Yellow	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	216	2.3	mg/cm2	Positive	1	5/11/2023	10:37:45	R.Alejandro	100-116	Exterior	San Jose Street/ South East Area	Curb	Concrete	-	Yellow	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	217	0.1	mg/cm2	Negative	1	5/11/2023	10:38:14	R.Alejandro	100-116	Exterior	San Jose Street/ South East Area	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	218	0.2	mg/cm2	Negative	1	5/11/2023	10:38:25	R.Alejandro	100-116	Exterior	San Jose Street/ South East Area	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	219	0	mg/cm2	Negative	1	5/11/2023	10:40:38	R.Alejandro	100-116	Exterior	San Jose Street/ South East Area	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	220	0.2	mg/cm2	Negative	1	5/11/2023	10:40:51	R.Alejandro	100-116	Exterior	San Jose Street/ South East Area	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	221	0.2	mg/cm2	Negative	1	5/11/2023	10:45:17	R.Alejandro	100-116	Exterior	SR PR-943/ South West Area	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	222	0.3	mg/cm2	Negative	1	5/11/2023	10:45:53	R.Alejandro	100-116	Exterior	SR PR-943/ South West Area	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	223	0.2	mg/cm2	Negative	1	5/11/2023	10:46:08	R.Alejandro	100-116	Exterior	SR PR-943/ South West Area	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	224	0.2	mg/cm2	Negative	1	5/11/2023	10:46:16	R.Alejandro	100-116	Exterior	SR PR-943/ South West Area	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	225	0.2	mg/cm2	Negative	1	5/11/2023	10:46:35	R.Alejandro	100-116	Exterior	SR PR-943/ South West Area	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	226	0.4	mg/cm2	Negative	1	5/11/2023	10:46:45	R.Alejandro	100-116	Exterior	SR PR-943/ South West Area	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	227	0.2	mg/cm2	Negative	1	5/11/2023	10:46:59	R.Alejandro	100-116	Exterior	SR PR-943/ South West Area	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	228	0.9	mg/cm2	Negative	1	5/11/2023	10:47:12	R.Alejandro	100-116	Exterior	SR PR-943/ South West Area	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	229	0.1	mg/cm2	Negative	1	5/11/2023	10:47:36	R.Alejandro	100-116	Exterior	SR PR-943/ South West Area	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	230	0.8	mg/cm2	Negative	1	5/11/2023	10:48:12	R.Alejandro	100-116	Exterior	SR PR-943/ South West Area	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	231	0.1	mg/cm2	Negative	1	5/11/2023	10:48:33	R.Alejandro	100-116	Exterior	SR PR-943/ South West Area	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	232	0	mg/cm2	Negative	1	5/11/2023	10:48:41	R.Alejandro	100-116	Exterior	SR PR-943/ South West Area	Curb	Concrete	-	White	Intact	-

Plaza Pública Gurabo y Mejoras a sus Aceras colindantes XRF SHEET

Company	**Viken Detection**
Model	Pb200i
Type	XRF Lead Paint Analyzer
Serial Num.	2703
App Version	Pb200i-5.2.0

Job Id	Reading #	Concentration	Units	Result	Level	Date	Time	Inspector	Job	Room	Structure	Component	Substrate	Wall	Color	Condition	Approx. Qty.
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	233	0.2	mg/cm2	Negative	1	5/11/2023	10:48:50	R.Alejandro	100-116	Exterior	SR PR-943/ South West Area	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	234	0.1	mg/cm2	Negative	1	5/11/2023	10:49:20	R.Alejandro	100-116	Exterior	SR PR-943/ South West Area	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	235	0	mg/cm2	Negative	1	5/11/2023	10:49:27	R.Alejandro	100-116	Exterior	SR PR-943/ South West Area	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	236	0	mg/cm2	Negative	1	5/11/2023	10:49:33	R.Alejandro	100-116	Exterior	SR PR-943/ South West Area	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	237	2.6	mg/cm2	Positive	1	5/11/2023	10:51:49	R.Alejandro	100-116	Exterior	Eugenio Sanchez Lopez/ South West Area	Curb	Concrete	-	Yellow	Intact	100 lf
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	238	1.8	mg/cm2	Positive	1	5/11/2023	10:52:05	R.Alejandro	100-116	Exterior	Eugenio Sanchez Lopez/ South West Area	Curb	Concrete	-	Yellow	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	239	1.8	mg/cm2	Positive	1	5/11/2023	10:52:23	R.Alejandro	100-116	Exterior	Eugenio Sanchez Lopez/ South West Area	Curb	Concrete	-	Yellow	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	240	2	mg/cm2	Positive	1	5/11/2023	10:52:39	R.Alejandro	100-116	Exterior	Eugenio Sanchez Lopez/ South West Area	Curb	Concrete	-	Yellow	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	241	0	mg/cm2	Negative	1	5/11/2023	10:54:26	R.Alejandro	100-116	Exterior	Eugenio Sanchez Lopez/ South West Area	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	242	0.1	mg/cm2	Negative	1	5/11/2023	10:54:42	R.Alejandro	100-116	Exterior	Eugenio Sanchez Lopez/ South West Area	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	243	0.2	mg/cm2	Negative	1	5/11/2023	10:55:03	R.Alejandro	100-116	Exterior	Eugenio Sanchez Lopez/ South West Area	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	244	0	mg/cm2	Negative	1	5/11/2023	10:55:29	R.Alejandro	100-116	Exterior	Eugenio Sanchez Lopez/ South West Area	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	245	0.1	mg/cm2	Negative	1	5/11/2023	10:55:40	R.Alejandro	100-116	Exterior	Eugenio Sanchez Lopez/ South West Area	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	246	0.8	mg/cm2	Negative	1	5/11/2023	10:56:22	R.Alejandro	100-116	Exterior	Eugenio Sanchez Lopez/ South West Area	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	247	0.3	mg/cm2	Negative	1	5/11/2023	10:56:34	R.Alejandro	100-116	Exterior	Eugenio Sanchez Lopez/ South West Area	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	248	0.2	mg/cm2	Negative	1	5/11/2023	10:56:56	R.Alejandro	100-116	Exterior	Eugenio Sanchez Lopez/ South West Area	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	249	0.1	mg/cm2	Negative	1	5/11/2023	11:01:13	R.Alejandro	100-116	Exterior	Angel Celestino Morales/ North West	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	250	0	mg/cm2	Negative	1	5/11/2023	11:01:35	R.Alejandro	100-116	Exterior	Angel Celestino Morales/ North West	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	251	0.1	mg/cm2	Negative	1	5/11/2023	11:02:22	R.Alejandro	100-116	Exterior	Angel Celestino Morales/ North West	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	252	0	mg/cm2	Negative	1	5/11/2023	11:02:54	R.Alejandro	100-116	Exterior	Angel Celestino Morales/ North West	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	253	0.1	mg/cm2	Negative	1	5/11/2023	11:03:40	R.Alejandro	100-116	Exterior	Angel Celestino Morales/ North West	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	254	0.1	mg/cm2	Negative	1	5/11/2023	11:03:52	R.Alejandro	100-116	Exterior	Angel Celestino Morales/ North West	Curb	Concrete	-	Yellow	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	255	0.3	mg/cm2	Negative	1	5/11/2023	11:04:07	R.Alejandro	100-116	Exterior	Angel Celestino Morales/ North West	Curb	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	256	0.6	mg/cm2	Negative	1	5/11/2023	11:04:19	R.Alejandro	100-116	Exterior	Angel Celestino Morales/ North West	Curb	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	257	0	mg/cm2	Negative	1	5/11/2023	11:04:47	R.Alejandro	100-116	Exterior	Angel Celestino Morales/ North West	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	258	0.2	mg/cm2	Negative	1	5/11/2023	11:04:58	R.Alejandro	100-116	Exterior	Angel Celestino Morales/ North West	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	259	0.1	mg/cm2	Negative	1	5/11/2023	11:05:08	R.Alejandro	100-116	Exterior	Angel Celestino Morales/ North West	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	260	0.2	mg/cm2	Negative	1	5/11/2023	11:05:21	R.Alejandro	100-116	Exterior	Angel Celestino Morales/ North West	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	261	0.3	mg/cm2	Negative	1	5/11/2023	11:07:01	R.Alejandro	100-116	Exterior	Steet SR PR-943/ North West	Ramp	Concrete	-	Blue	Intact	-

Plaza Pública Gurabo y Mejoras a sus Aceras colindantes XRF SHEET

Company	**Viken Detection**
Model	Pb200i
Type	XRF Lead Paint Analyzer
Serial Num.	2703
App Version	Pb200i-5.2.0

Job Id	Reading #	Concentration	Units	Result	Level	Date	Time	Inspector	Job	Room	Structure	Component	Substrate	Wall	Color	Condition	Approx. Qty.
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	262	0.8	mg/cm2	Negative	1	5/11/2023	11:07:26	R.Alejandro	100-116	Exterior	Steet SR PR-943/ North West	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	263	0.1	mg/cm2	Negative	1	5/11/2023	11:07:50	R.Alejandro	100-116	Exterior	Steet SR PR-943/ North West	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	264	0.1	mg/cm2	Negative	1	5/11/2023	11:08:10	R.Alejandro	100-116	Exterior	Steet SR PR-943/ North West	Ramp	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	265	1.8	mg/cm2	Positive	1	5/11/2023	11:08:28	R.Alejandro	100-116	Exterior	Steet SR PR-943/ North West	Curb	Concrete	-	Yellow	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	266	1.4	mg/cm2	Positive	1	5/11/2023	11:08:51	R.Alejandro	100-116	Exterior	Steet SR PR-943/ North West	Curb	Concrete	-	Yellow	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	267	1.3	mg/cm2	Positive	1	5/11/2023	11:09:17	R.Alejandro	100-116	Exterior	Steet SR PR-943/ North West	Curb	Concrete	-	Yellow	Intact	110 lf
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	268	1.4	mg/cm2	Positive	1	5/11/2023	11:09:38	R.Alejandro	100-116	Exterior	Steet SR PR-943/ North West	Curb	Concrete	-	Yellow	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	269	1.5	mg/cm2	Positive	1	5/11/2023	11:09:58	R.Alejandro	100-116	Exterior	Steet SR PR-943/ North West	Curb	Concrete	-	Yellow	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	270	0.1	mg/cm2	Negative	1	5/11/2023	11:10:30	R.Alejandro	100-116	Exterior	Steet SR PR-943/ North West	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	271	0	mg/cm2	Negative	1	5/11/2023	11:10:45	R.Alejandro	100-116	Exterior	Steet SR PR-943/ North West	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	272	0	mg/cm2	Negative	1	5/11/2023	11:11:00	R.Alejandro	100-116	Exterior	Steet SR PR-943/ North West	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	273	0.1	mg/cm2	Negative	1	5/11/2023	11:11:16	R.Alejandro	100-116	Exterior	Steet SR PR-943/ North West	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	274	1.1	mg/cm2	Positive	1	5/11/2023	11:14:29	R.Alejandro	100-116	Exterior	San Jose/ North East	Curb	Concrete	-	Yellow	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	275	1.7	mg/cm2	Positive	1	5/11/2023	11:14:51	R.Alejandro	100-116	Exterior	San Jose/ North East	Curb	Concrete	-	Yellow	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	276	1.1	mg/cm2	Positive	1	5/11/2023	11:15:08	R.Alejandro	100-116	Exterior	San Jose/ North East	Curb	Concrete	-	Yellow	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	277	1.5	mg/cm2	Positive	1	5/11/2023	11:15:29	R.Alejandro	100-116	Exterior	San Jose/ North East	Curb	Concrete	-	Yellow	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	278	2.2	mg/cm2	Positive	1	5/11/2023	11:15:42	R.Alejandro	100-116	Exterior	San Jose/ North East	Curb	Concrete	-	Yellow	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	279	1.5	mg/cm2	Positive	1	5/11/2023	11:15:57	R.Alejandro	100-116	Exterior	San Jose/ North East	Curb	Concrete	-	Yellow	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	280	1.1	mg/cm2	Positive	1	5/11/2023	11:16:11	R.Alejandro	100-116	Exterior	San Jose/ North East	Curb	Concrete	-	Yellow	Intact	150 Lf.
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	281	1.5	mg/cm2	Positive	1	5/11/2023	11:17:06	R.Alejandro	100-116	Exterior	San Jose/ North East	Curb	Concrete	-	Yellow	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	282	2	mg/cm2	Positive	1	5/11/2023	11:17:30	R.Alejandro	100-116	Exterior	San Jose/ North East	Curb	Concrete	-	Yellow	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	283	1.8	mg/cm2	Positive	1	5/11/2023	11:17:49	R.Alejandro	100-116	Exterior	San Jose/ North East	Curb	Concrete	-	Yellow	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	284	2.1	mg/cm2	Positive	1	5/11/2023	11:18:01	R.Alejandro	100-116	Exterior	San Jose/ North East	Curb	Concrete	-	Yellow	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	285	2	mg/cm2	Positive	1	5/11/2023	11:18:21	R.Alejandro	100-116	Exterior	San Jose/ North East	Curb	Concrete	-	Yellow	Intact	
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	286	0.1	mg/cm2	Negative	1	5/11/2023	11:18:40	R.Alejandro	100-116	Exterior	San Jose/ North East	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	287	0.6	mg/cm2	Negative	1	5/11/2023	11:19:25	R.Alejandro	100-116	Exterior	San Jose/ North East	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	288	0.1	mg/cm2	Negative	1	5/11/2023	11:19:37	R.Alejandro	100-116	Exterior	San Jose/ North East	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	289	0	mg/cm2	Negative	1	5/11/2023	11:19:47	R.Alejandro	100-116	Exterior	San Jose/ North East	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	290	0	mg/cm2	Negative	1	5/11/2023	11:20:20	R.Alejandro	100-116	Exterior	San Jose/ North East	Curb	Concrete	-	White	Intact	-

Plaza Pública Gurabo y Mejoras a sus Aceras colindantes XRF SHEET

Company	**Viken Detection**
Model	Pb200i
Type	XRF Lead Paint Analyzer
Serial Num.	2703
App Version	Pb200i-5.2.0

Job Id	Reading #	Concentration	Units	Result	Level	Date	Time	Inspector	Job	Room	Structure	Component	Substrate	Wall	Color	Condition	Approx. Qty.
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	291	0	mg/cm2	Negative	1	5/11/2023	11:20:41	R.Alejandro	100-116	Exterior	San Jose/ North East	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	292	0	mg/cm2	Negative	1	5/11/2023	11:20:56	R.Alejandro	100-116	Exterior	San Jose/ North East	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	293	0.1	mg/cm2	Negative	1	5/11/2023	11:21:59	R.Alejandro	100-116	Exterior	San Jose/ North East	Sidewalk	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	294	0	mg/cm2	Negative	1	5/11/2023	11:22:11	R.Alejandro	100-116	Exterior	San Jose/ North East	Sidewalk	Concrete	-	Blue	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	295	0.1	mg/cm2	Negative	1	5/11/2023	11:26:09	R.Alejandro	100-116	Exterior	Street Angel Celestino Morales	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	296	0.9	mg/cm2	Negative	1	5/11/2023	11:26:22	R.Alejandro	100-116	Exterior	Street Angel Celestino Morales	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	297	0.1	mg/cm2	Negative	1	5/11/2023	11:26:47	R.Alejandro	100-116	Exterior	Street Angel Celestino Morales	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	298	0.2	mg/cm2	Negative	1	5/11/2023	11:27:15	R.Alejandro	100-116	Exterior	Street Angel Celestino Morales	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	299	0.2	mg/cm2	Negative	1	5/11/2023	11:28:17	R.Alejandro	100-116	Exterior	Street Angel Celestino Morales	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	300	0.6	mg/cm2	Negative	1	5/11/2023	11:28:44	R.Alejandro	100-116	Exterior	Street Angel Celestino Morales	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	301	0.2	mg/cm2	Negative	1	5/11/2023	11:29:19	R.Alejandro	100-116	Exterior	Street Angel Celestino Morales	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	302	0.1	mg/cm2	Negative	1	5/11/2023	11:29:33	R.Alejandro	100-116	Exterior	Street Angel Celestino Morales	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	303	0.2	mg/cm2	Negative	1	5/11/2023	11:29:49	R.Alejandro	100-116	Exterior	Street Angel Celestino Morales	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	304	0.1	mg/cm2	Negative	1	5/11/2023	11:30:13	R.Alejandro	100-116	Exterior	Street Angel Celestino Morales	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	305	0.2	mg/cm2	Negative	1	5/11/2023	11:30:33	R.Alejandro	100-116	Exterior	Street Angel Celestino Morales	Curb	Concrete	-	White	Intact	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	306	0.9	mg/cm2	Negative	1	5/11/2023	11:36:41	R.Alejandro	100-116	Exterior	Street Angel Celestino Morales	Curb	Concrete	-	White	Intact	Duplicate
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	307	0.1	mg/cm2	Negative	1	5/11/2023	11:36:51	R.Alejandro	100-116	Exterior	Street Angel Celestino Morales	Curb	Concrete	-	White	Intact	Duplicate
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	308	0.2	mg/cm2	Negative	1	5/11/2023	11:37:18	R.Alejandro	100-116	Exterior	Street Angel Celestino Morales	Curb	Concrete	-	White	Intact	Duplicate
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	309	0.2	mg/cm2	Negative	1	5/11/2023	11:37:25	R.Alejandro	100-116	Exterior	Street Angel Celestino Morales	Curb	Concrete	-	White	Intact	Duplicate
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	310	0.6	mg/cm2	Negative	1	5/11/2023	11:37:32	R.Alejandro	100-116	Exterior	Street Angel Celestino Morales	Curb	Concrete	-	White	Intact	Duplicate
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	311	0.2	mg/cm2	Negative	1	5/11/2023	11:37:40	R.Alejandro	100-116	Exterior	Street Angel Celestino Morales	Curb	Concrete	-	White	Intact	Duplicate
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	312	0.1	mg/cm2	Negative	1	5/11/2023	11:37:47	R.Alejandro	100-116	Exterior	Street Angel Celestino Morales	Curb	Concrete	-	White	Intact	Duplicate
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	313	0.2	mg/cm2	Negative	1	5/11/2023	11:37:54	R.Alejandro	100-116	Exterior	Street Angel Celestino Morales	Curb	Concrete	-	White	Intact	Duplicate
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	314	0.1	mg/cm2	Negative	1	5/11/2023	11:38:00	R.Alejandro	100-116	Exterior	Street Angel Celestino Morales	Curb	Concrete	-	White	Intact	Duplicate
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	315	0.2	mg/cm2	Negative	1	5/11/2023	11:38:07	R.Alejandro	100-116	Exterior	Street Angel Celestino Morales	Curb	Concrete	-	White	Intact	Duplicate
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	316	1	mg/cm2	Positive	1	5/11/2023	11:40:02	R.Alejandro	100-116	Exterior	Calibration	-	-	-	-	-	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	317	1	mg/cm2	Positive	1	5/11/2023	11:40:33	R.Alejandro	100-116	Exterior	Calibration	-	-	-	-	-	-
Plaza Pública Gurabo y Mejoras a sus Aceras colindantes	318	0.9	mg/cm2	Negative	1	5/11/2023	11:41:13	R.Alejandro	100-116	Exterior	Calibration	-	-	-	-	-	-

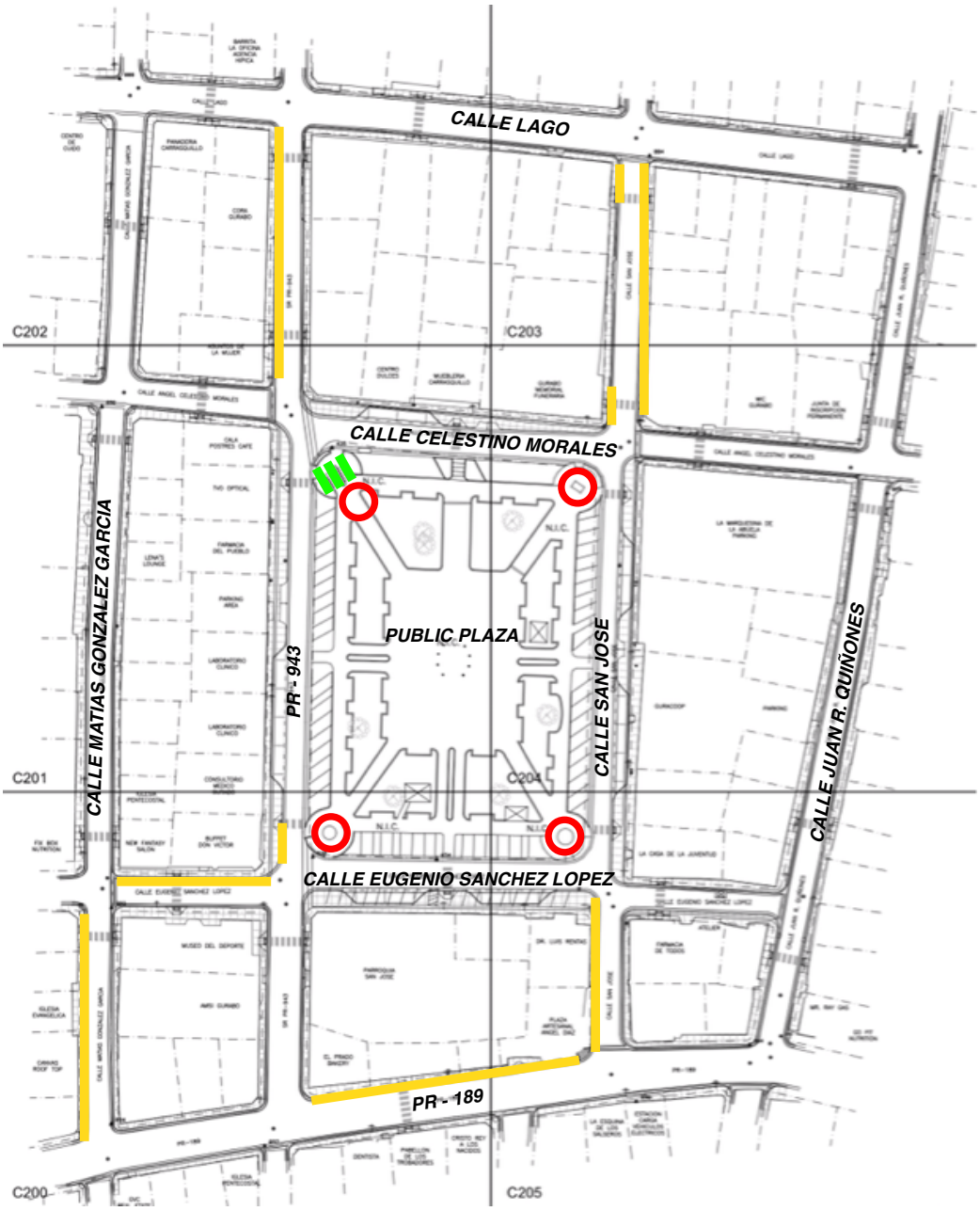
Attachment 5
LBP Diagram



Plaza Pública Gurabo y Mejoras a sus Aceras y Calles colindantes

LBP DIAGRAM

- *POSITIVE BROWN METAL STATUE*
- *POSITIVE BLACK HANDRAIL*
- *POSITIVE YELLOW CONCRETE CURB*



Calle Santiago (N), Gurabo, Puerto Rico 00778

Attachment 6

Representative Pictures\Photograph Log

Ramón E. Alejandro Andaluz
NORTOL. Environmental & Occupational Safety, Inc.

PLAZA PÚBLICA GURABO Y MEJORAS A SUS ACERAS COLINDANTES - **LBP SURVEY PHOTO LOG**

Year of construction not available at the moment of inspection.

Wednesday, May 10, 2023

Prepared For BR&A, LLC

Calle Santiago (N), Gurabo, Puerto Rico 00778

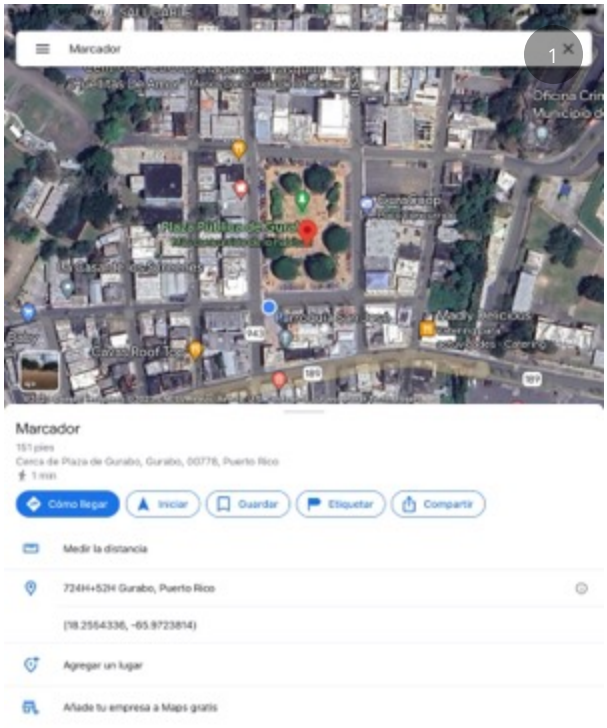


FRONT VIEW:

(18.2554336, -65.9723814)

COORDINATES:

(18.2554336, -65.9723814)







SCOPE OF WORK:

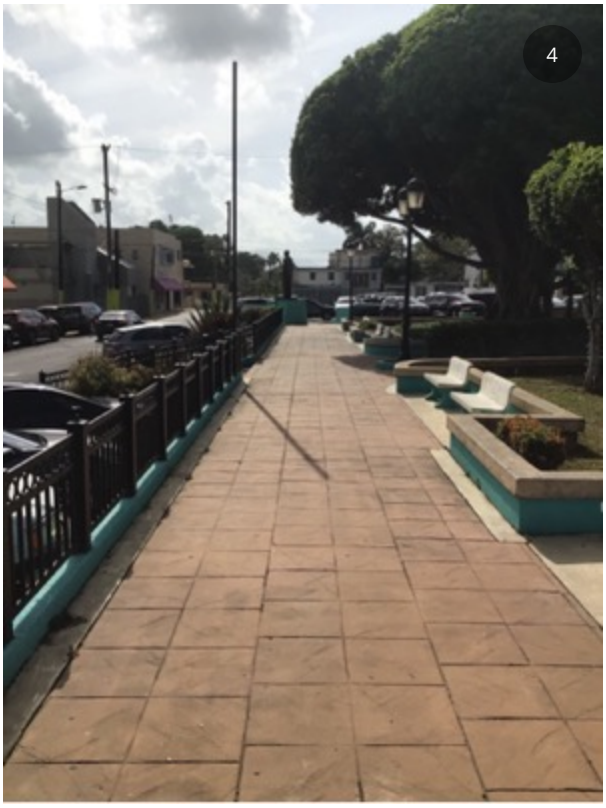
Full inspection A/L.

GENERAL VIEWS: PUBLIC PLAZA






3


4


5


6





GENERAL VIEWS: STREETS






3


4


5


6

GENERAL VIEWS:





GENERAL VIEWS:





LBP DETECTED? PUBLIC PLAZA / NORTH AREA

Due By: Wednesday, May 10, 2023

Exterior, Public Plaza / North Area, Reading #83, #84, #85, black lead-based paint metal handrail, 10.2, 10.2, 10.0 mg/cm2 (Qty. 60 Lf. Approx.)





LBP DETECTED? PUBLIC PLAZA / NORTH AREA / LEFT & RIGHT STATUE / SOUTH AREA / LEFT & RIGHT STATUE

Due By: Wednesday, May 10, 2023

Exterior, Public Plaza / North Area / Left Statue, Reading #188, #189, brown lead-based metal statue, 6.1. 6.7 mg/cm2 (Qty. 1 Unit.)

Exterior, Public Plaza / North Area / Right Statue, Reading #190, #191, brown lead-based metal statue, 3.9, 6.4 mg/cm2 (Qty. 1 Unit.)

Exterior, Public Plaza / South Area / Left Statue, Reading #192, #193, brown lead-based metal statue, 6.5, 5.7 mg/cm2 (Qty. 1 Unit.)

Exterior, Public Plaza / South Area / Right Statue, Reading #194, #195, #196, brown lead-based metal statue, 5.4, 6.2, 6.0 mg/cm2 (Qty. 1 Unit.)





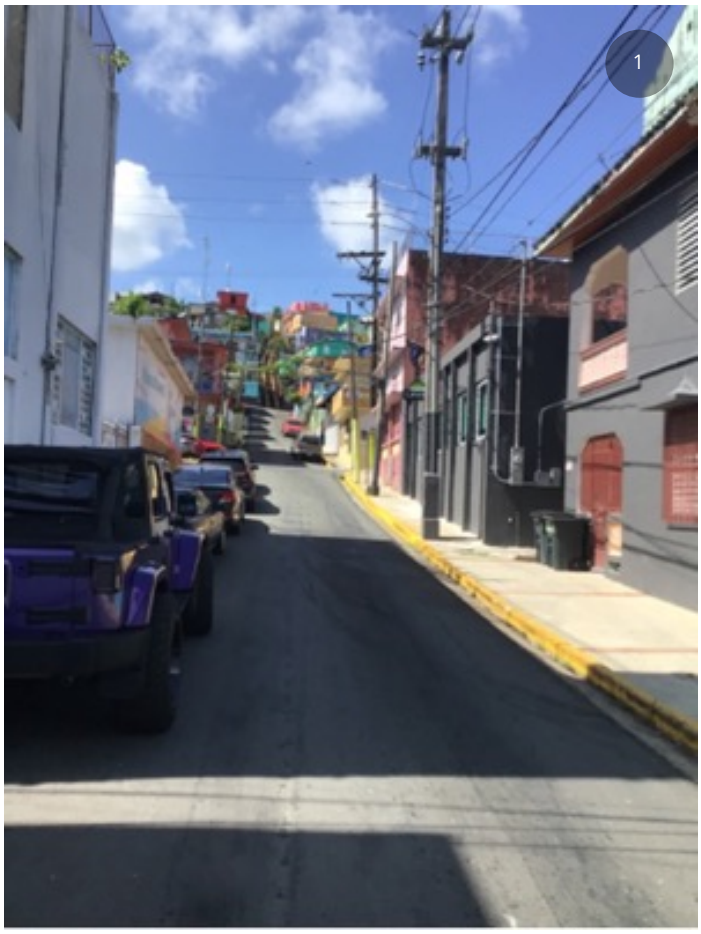

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4

LBP DETECTED? MATIAS GONZALEZ GARCIA STREET/ NORTH TO SOUTH

Due By: Thursday, May 11, 2023

Exterior, Matias Gonzalez Garcia Street/ North to South, Reading #146, #147, #148, #149, #150, yellow lead-based paint concrete curb, 2.8, 3.6, 2.7, 2.6, 2.3 mg/cm2 (Qty. 150 Lf. Approx.)





LBP DETECTED? PR-189/ WEST TO EAST

Due By: Thursday, May 11, 2023

Exterior, PR-189/ West to East, Reading #167, #168, #169, #170, #171, #172, yellow lead-based paint concrete curb, 1.3, 1.5, 1.4, 2.3, 2.2, 1.4 mg/cm2 (Qty. 100 Lf. Approx.)





LBP DETECTED? SAN JOSE STREET/ SOUTH EAST AREA

Due By: Thursday, May 11, 2023

Exterior, San Jose Street/ South East Area, Reading #213, #214, #215, #216, yellow lead-based paint concrete curb, 2.0, 1.9, 2.1, 2.3 mg/cm2 (Qty. 50 Lf. Approx.)





LBP DETECTED? EUGENIO SANCHEZ LOPEZ/ SOUTH WEST AREA

Due By: Thursday, May 11, 2023

Exterior, Eugenio Sanchez Lopez/ South West Area, Reading #237, #238, #239, #240, yellow lead-based concrete curb, 2.6, 1.8, 1.8, 2.0 mg/cm2 (Qty. 100 Lf. Approx.)





LBP DETECTED? STREET SR PR-943/ NORTH WEST

Due By: Thursday, May 11, 2023

Exterior, Street SR PR-943/ North West, Reading #265, #266, #267, #268, #269, yellow lead-based concrete curb, 1.8, 1.4, 1.3, 1.4, 1.5 mg/cm2 (Qty. 110 Lf. Approx.)





LBP DETECTED? SAN JOSE/ NORTH EAST

Due By: Thursday, May 11, 2023

Exterior, San Jose/ North East, Reading #274 to #285, yellow lead-based concrete curb, 1.1 to 2.2 mg/cm2 (Qty. 150 Lf. Approx.)









Attachment 7

XRF Performance Characteristic Sheet

Performance Characteristic Sheet

EFFECTIVE DATE: **September 1, 2022**

MANUFACTURER AND MODEL:

Make: ***Heuresis***
Models: ***Model Pb200i, Pb200e***
Source: ***^{57}Co, 5 mCi (nominal – new source)***

FIELD OPERATION GUIDANCE

OPERATING PARAMETERS:

Action Level 1.0 mg/cm^2

XRF CALIBRATION CHECK LIMITS:

0.8 to 1.2 mg/cm^2 (inclusive)

SUBSTRATE CORRECTION:

Not applicable

INCONCLUSIVE RANGE OR THRESHOLD:

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

BACKGROUND INFORMATION

EVALUATION DATA SOURCE AND DATE:

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

OPERATING PARAMETERS

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

XRF CALIBRATION CHECK:

The calibration of the XRF instrument should be checked using the paint film nearest 1.0 mg/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 the average (rounded to 1 decimal place) of three readings is outside the acceptable calibration check range, follow the manufacturer's instructions to bring the instrument into control before XRF testing proceeds.

SUBSTRATE CORRECTION VALUE COMPUTATION:

Chapter 7 of the HUD Guidelines provides guidance on correcting XRF results for substrate bias. Supplemental guidance for using the paint film nearest 1.0 mg/cm^2 for substrate correction is provided:

XRF results are corrected for substrate bias by subtracting from each XRF result a correction value determined separately in each house for single-family housing or in each development for multifamily housing, for each substrate. The correction value is an average of XRF readings taken over the NIST SRM paint film nearest to 1.0 mg/cm^2 at test locations that have been scraped bare of their paint covering. Compute the correction values as follows:

> Using the same XRF instrument, take three readings on a bare substrate area covered with the NIST SRM paint film nearest 1 mg/cm^2. Repeat this procedure by taking three more readings on a second bare substrate area of the same substrate covered with the NIST SRM.
>
> Compute the correction value for each substrate type where XRF readings indicate substrate correction is needed by computing the average of all six readings as shown below.
>
> <u>For each substrate type</u> (the 1.02 mg/cm^2 NIST SRM is shown in this example; use the actual lead loading of the NIST SRM used for substrate correction):
>
> Correction value = (1st + 2nd + 3rd + 4th + 5th + 6th *Reading*)/6 - 1.02 mg/cm^2
>
> Repeat this procedure for each substrate requiring substrate correction in the house or housing development.

EVALUATING THE QUALITY OF XRF TESTING:

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

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

Determine if the XRF testing in the units or house passed or failed the test by applying the steps below. Compute the Retest Tolerance Limit by the following steps:

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

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

Square the average for each testing combination.

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

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

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

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

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

Compute the average of all ten original XRF readings.

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

Find the absolute difference of the two averages.

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

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

TESTING TIMES:

In the Action Level paint test mode, the instrument takes the longest time to complete readings close to the Federal standard of 1.0 mg/cm^2. The table below shows the mean and standard deviation of actual reading times by reading level for paint samples during the November 2015 archive testing. The tested instruments reported readings to one decimal place. No significant differences in reading times by substrate were observed. These times apply only to instruments with the same source strength as those tested (2.0 mCi). Instruments with stronger sources will have shorter reading times and those with weaker sources, longer reading times, than those in the table.

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

CLASSIFICATION OF RESULTS:

XRF results are classified as **positive** if they are **greater than or equal** to the stated threshold for the instrument (1.0 mg/cm^2), and *negative* if they are *less than* the threshold.

DOCUMENTATION:

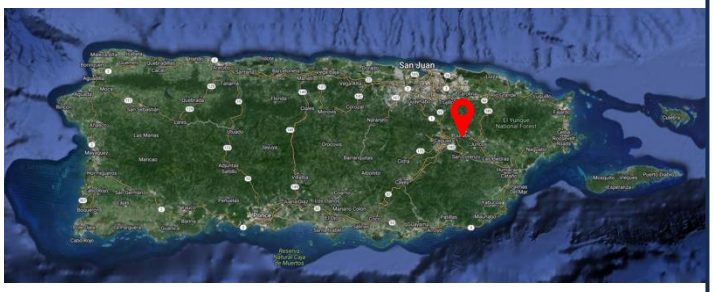
A report titled *Methodology for XRF Performance Characteristic Sheets* (EPA 747-R-95-008) provides an explanation of the statistical methodology used to construct the data in the sheets, and provides empirical results from using the recommended inconclusive ranges or thresholds for specific XRF instruments.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

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



www.nortolpr.com | info@nortolpr.com | 787.420.0220
PO Box 366457, San Juan, PR 00936-6457

Site Inspection & Photos – Gurabo Plaza y Calles – PR-CRP-000549 and PR-CRP-000559



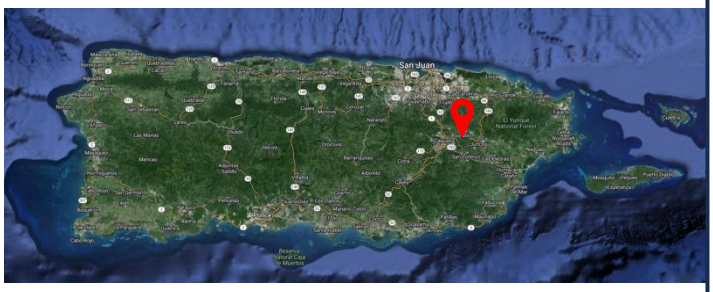
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Coordinates: 18.25557500, -65.97238475





Site Inspection Date: 05/26/2023
Inspection Conducted by: AVA Environmental Consultants, Inc. Personnel

Site Inspection & Photos – Gurabo Plaza y Calles – PR-CRP-000549 and PR-CRP-000559



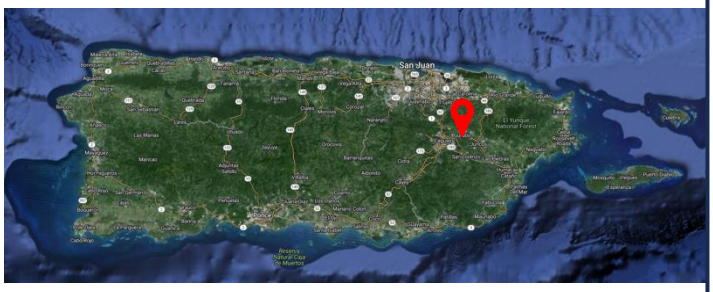
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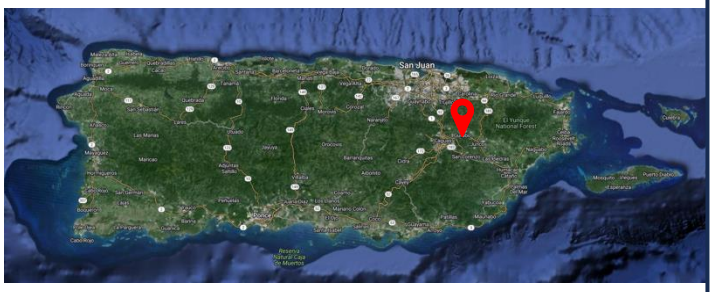
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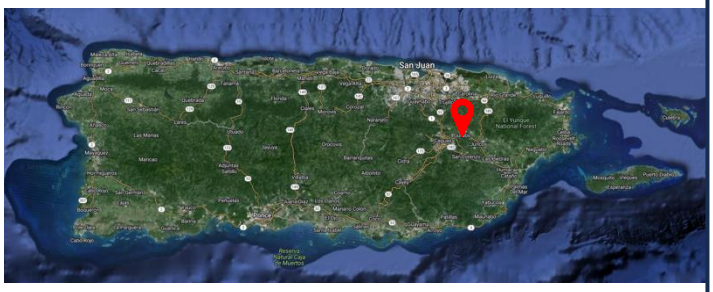
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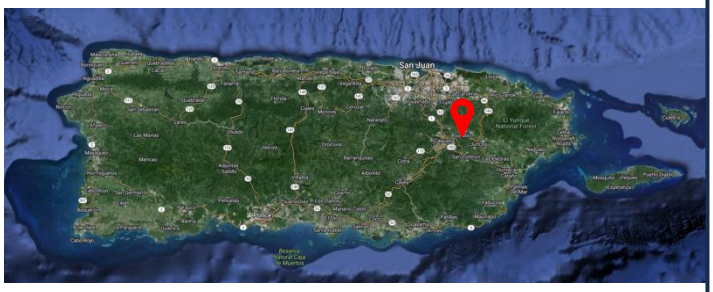
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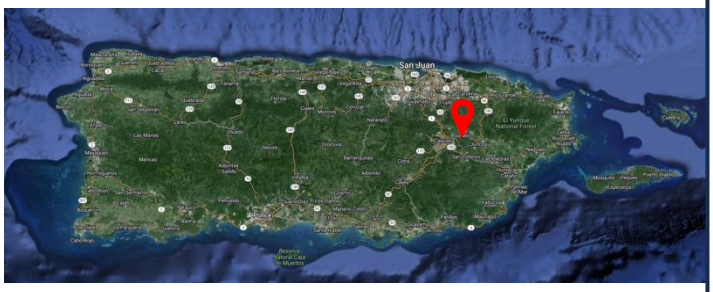
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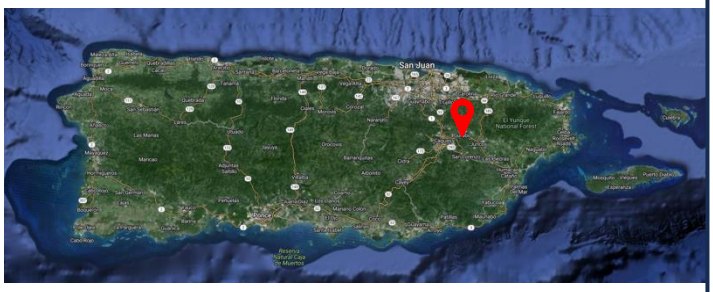
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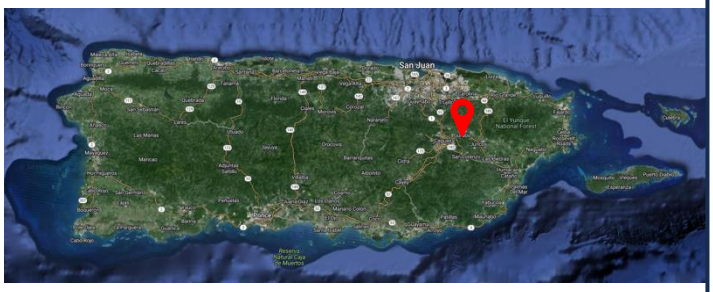
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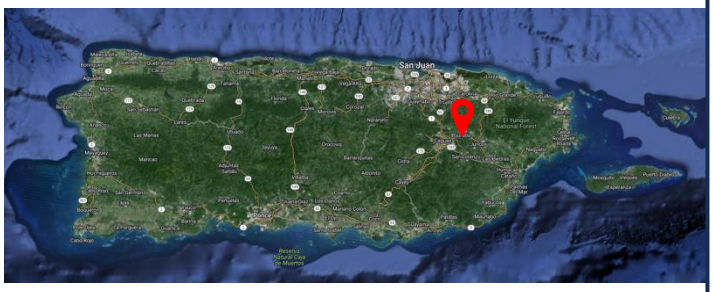
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Coordinates: 18.25557500, -65.97238475





Site Inspection Date: 05/26/2023
Inspection Conducted by: AVA Environmental Consultants, Inc. Personnel

Field Visit Checklist & Site Evaluation

Project Name:	CRP: 000549 - Rehabilitación Plaza de los Proceres de Gurabo			Latitude:			18.255298
First Name:		Last Name:		Longitude:			-65.972262
Street Address:	Esquina Eugenio Sánchez López y Calle Santiago			Apt/Suite:			
City:	Gurabo			State:	PR	Zip:	00778
Date of Visit:	10/24/2024		Field Visit Conducted By:		Angel L. Sotomayor/ Gerardo Flores		

EXISTING ENVIRONMENTAL CONDITIONS ON & AROUND SITE

Levee/Flood Control Structures (Levees, T-walls, pumping stations, etc.)

	Site Specific	Area
Observations	No Levee nor Flood Control Structure observed. The storm sewer inlets look in good conditions.	The Plaza and perimeter streets.

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?	No evidence observed.	The Plaza and perimeter streets.
If yes, are they in use?	N/A	The Plaza and perimeter streets.
Are there any out-of-service underground fuel tanks?	No out-of-service tank underground was observed.	The Plaza and perimeter streets.
Is there any evidence that any AST on the property are leaking?	No evidence observed.	The Plaza and perimeter streets.

Polychlorinated Biphenyls (PCB):

	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?	No evidence observed.	The Plaza and perimeter streets.

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?	No evidence observed.	The Plaza and perimeter streets.
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?	No evidence observed.	The Plaza and perimeter streets.

Notes/Observations:

The assessment of the site's current environmental conditions found no evidence of the issues mentioned in this document

Applicant ID:

Photograph 1

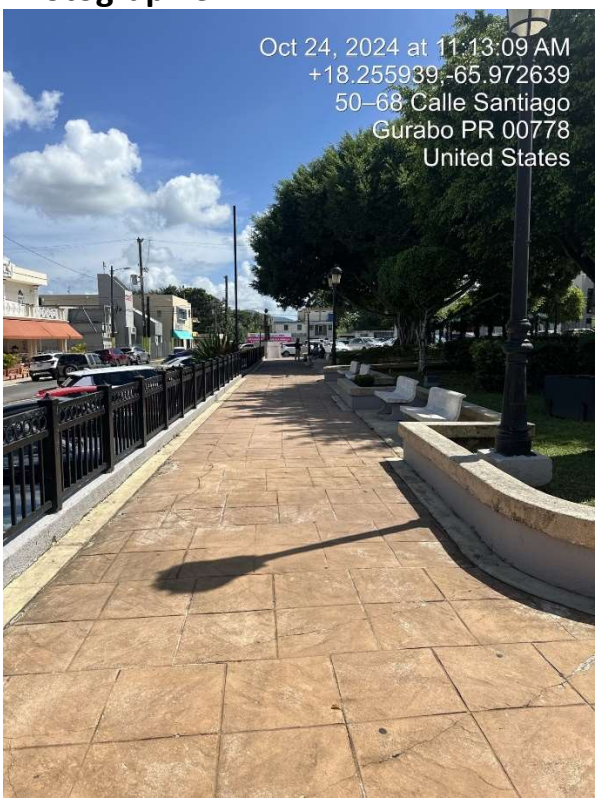


Photograph 2

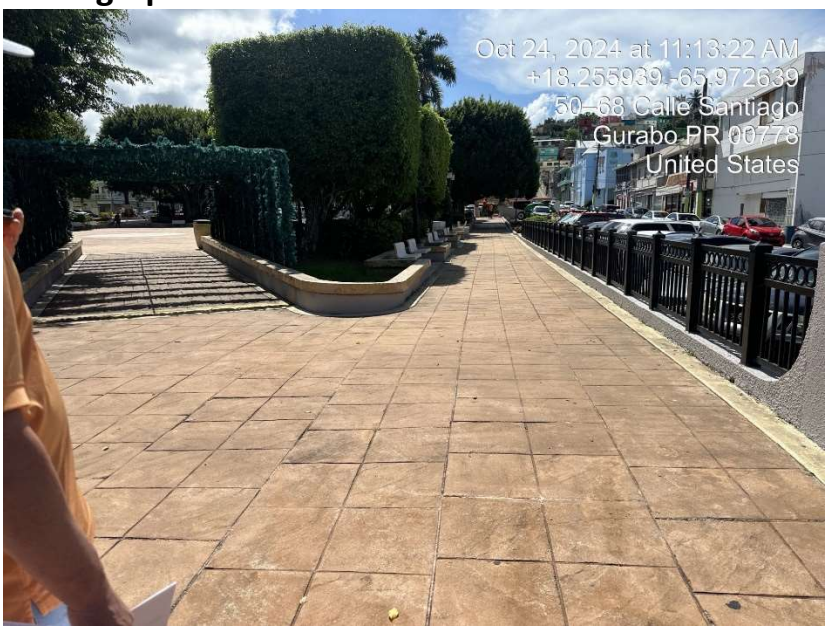


Applicant ID:

Photograph 3



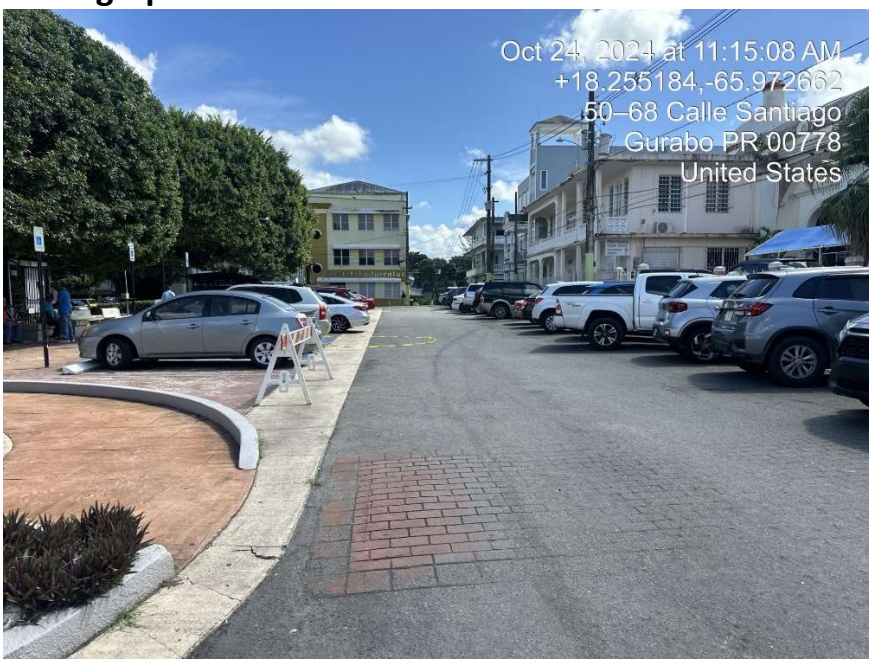
Photograph 4



Photograph 5



Photograph 6



Additional Photographs

Field Visit Checklist & Site Evaluation

Project Name:	CRP: 000559 – Remodelación de Aceras en Plaza de los Proceres			Latitude:		18.255148	
First Name:		Last Name:		Longitude:		-65.972686	
Street Address:	Calle Santiago Esquina Eugenio Sánchez López			Apt/Suite:			
City:	Gurabo			State:	PR	Zip:	00778
Date of Visit:	10/24/2024		Field Visit Conducted By:		Angel L. Sotomayor/ Gerardo Flores		

EXISTING ENVIRONMENTAL CONDITIONS ON & AROUND SITE

Levee/Flood Control Structures (Levees, T-walls, pumping stations, etc.)

	Site Specific	Area
Observations	No Levee nor Flood Control Structure observed. The storm sewer inlets look in good conditions.	Around the Plaza and surrounding streets.

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?	No evidence observed	Around the Plaza and surrounding streets.
If yes, are they in use?	N/A	Around the Plaza and surrounding streets.
Are there any out-of-service underground fuel tanks?	No out-of-service tank underground was observed.	Around the Plaza and surrounding streets.
Is there any evidence that any AST on the property are leaking?	No evidence observed.	Around the Plaza and surrounding streets.

Polychlorinated Biphenyls (PCB):

	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?	No evidence observed.	Around the Plaza and surrounding streets.

Hazardous Operations

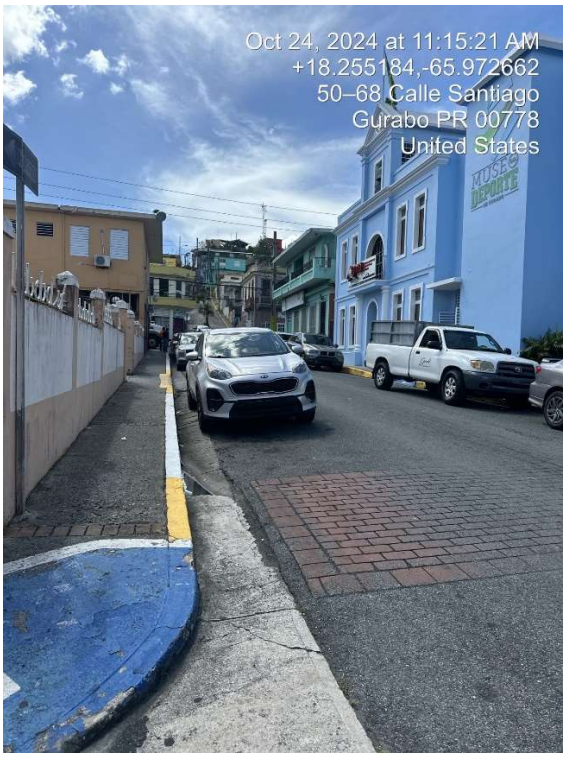
	Site Specific	Area
Is there any evidence of manufacturing operations utilizing or producing hazardous substances at or in close proximity to the site?	No evidence observed.	Around the Plaza and surrounding streets.
Is there any evidence or indication that past operations located on or in close proximity to the property used hazardous substances or radiological materials that may have been released into the environment?	No evidence observed.	Around the Plaza and surrounding streets.

Notes/Observations:

The assessment of the site's current environmental conditions found no evidence of the issues mentioned in this document

Applicant ID:

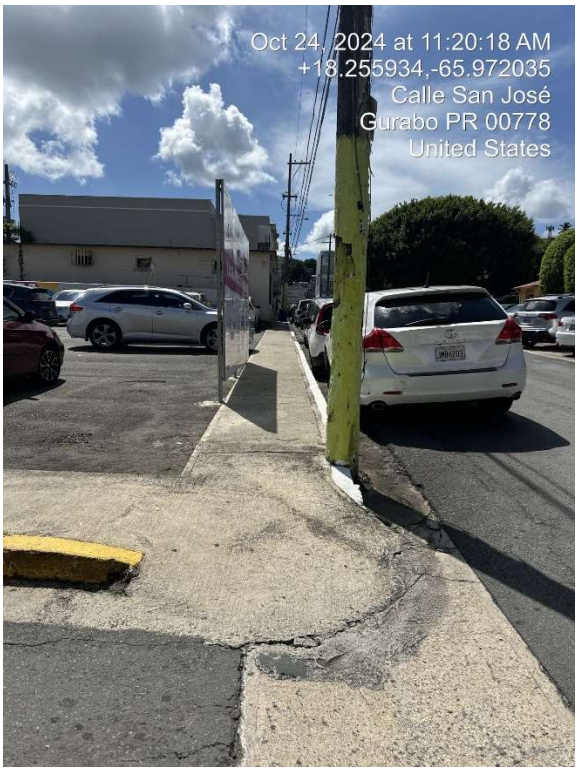
Photograph 1



Photograph 2

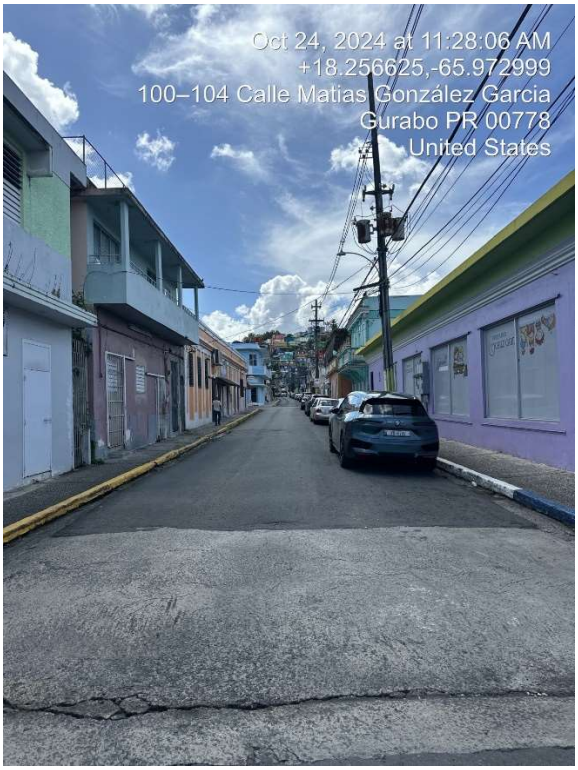


Photograph 3



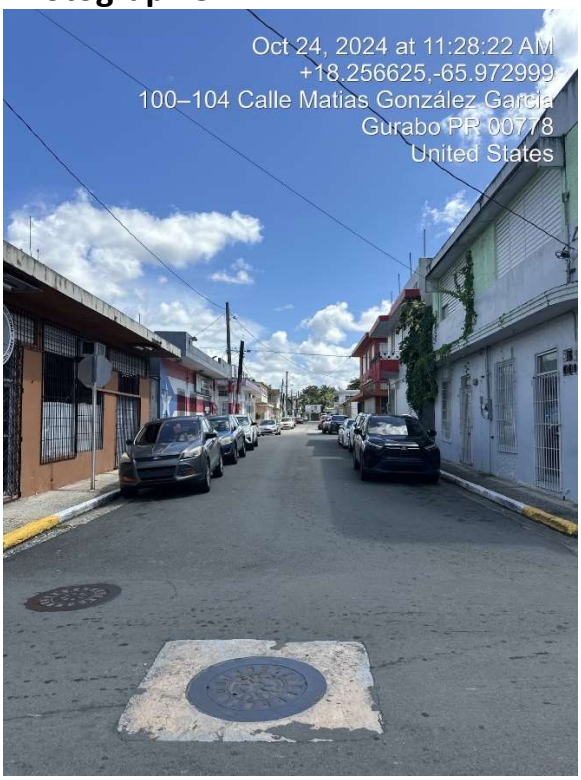
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Applicant ID:

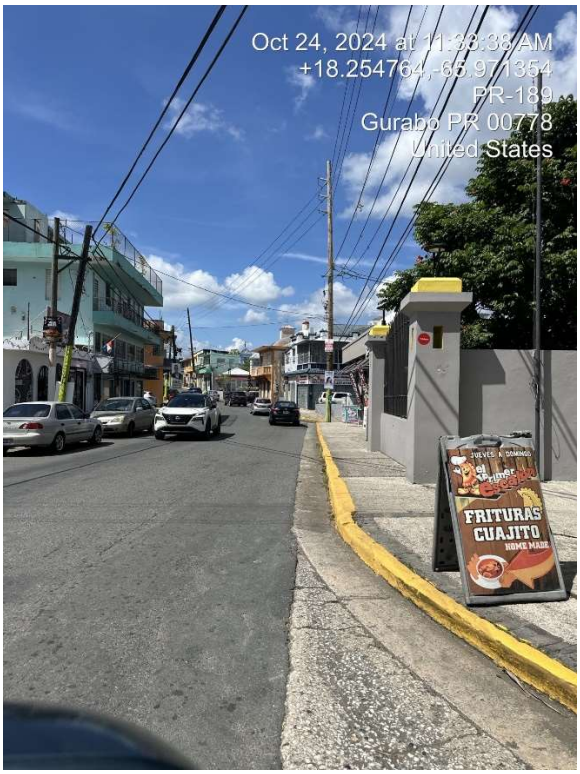


Applicant ID:

Photograph 5



Photograph 6



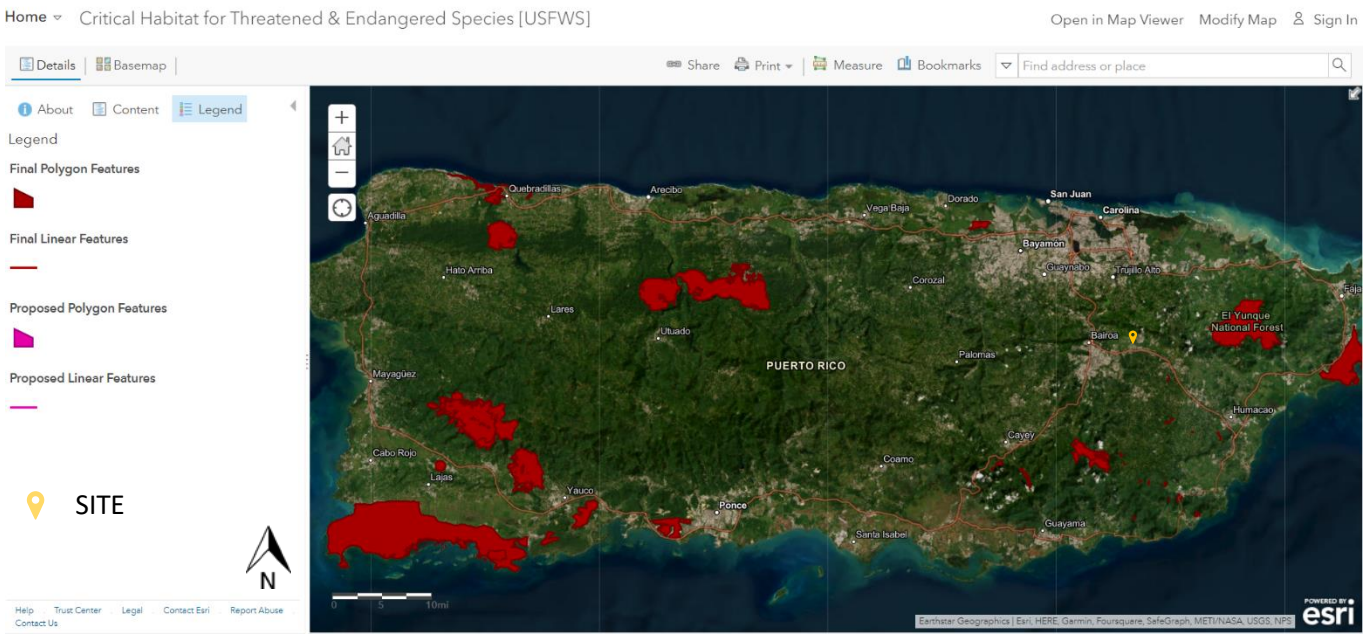
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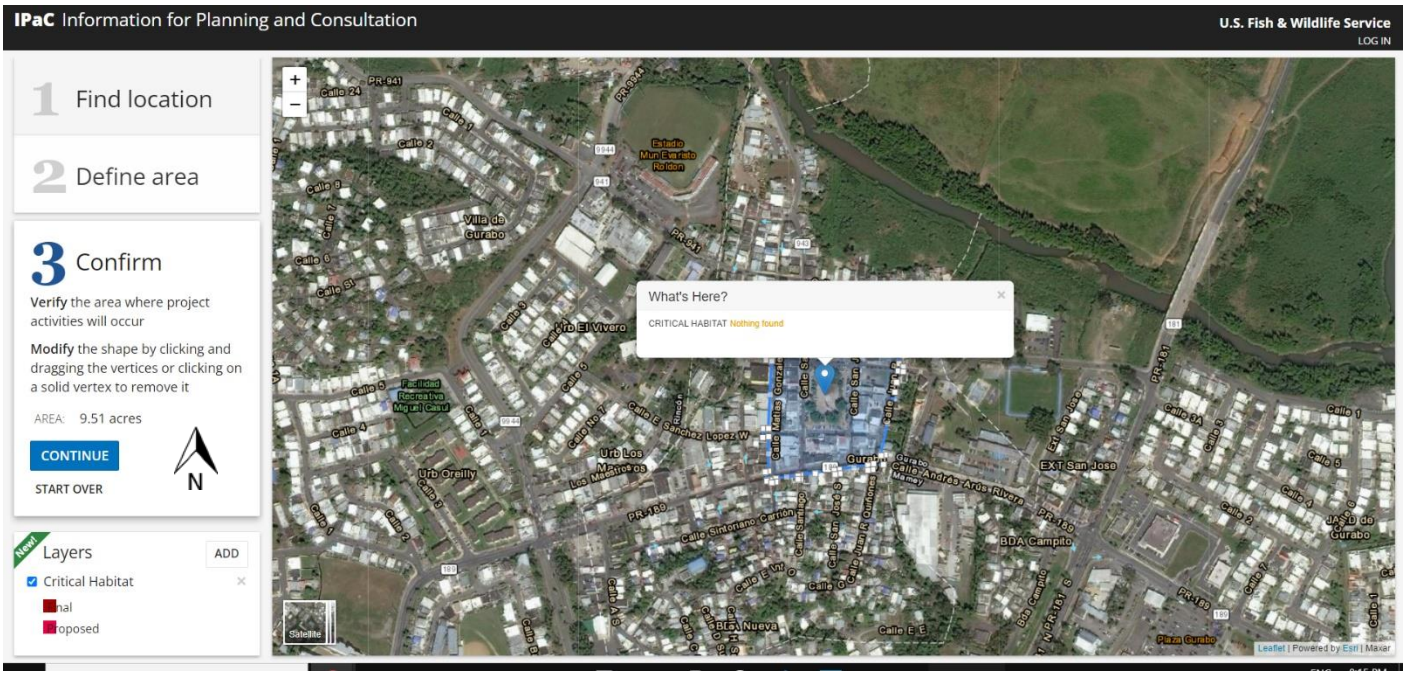
Additional Photographs



Project Name: PR-CRP-000549 - Rehabilitación Plaza de los Proceres de Gurabo; and PR-CRP-000559 -Remodelación de aceras alrededor de la Plaza de los Próceres de Gurabo
Location: Angel C. Morales St., San Jose St., Eugenio Sánchez Lopez St., and PR-943 (Plaza); Lago St., Matías Gonzalez St., Angel C. Morales St., PR-943, San Jose St., Juan R. Quinones St., Eugenio Sánchez Lopez St., Santiago, St., and PR-189 (Sidewalks), Gurabo, Puerto Rico
Lat/Long: 18.25557500, -65.97238475

EXHIBIT NO.7 ENDANGERED SPECIES





Source: US Fish & Wildlife https://ipac.ecosphere.fws.gov/location/index
https://fws.maps.arcgis.com/home/webmap/viewer.html?webmap=9d8de5e265ad4fe09893cf75b8dbfb77
Company: Benítez Ramos & Associates, LLC
Date: 03/30/2023

Gurabo
CIUDAD DE LAS ESCALERAS

Federal Programs Office
787-712-1100 EX. 214/787-989-1718
Amarilis Vázquez Aquino, Director

May 15, 2023

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: 2023.05.18 08:47:29 -04'00'

EDWIN MUNIZ Digitally signed by EDWIN MUNIZ Date: 2023.05.19 06:26:32 -04'00'
Caribbean ES Field Supervisor

Mr. Edwin Muñíz
Field Supervisor
Fish and Wildlife Service
Caribbean Ecological Services Field Office
PO Box 491
Boqueron, PR 00622

RE: Self-Certification under Blanket Clearance Letter for federally sponsored projects, Housing and Urban Development, for PR-CRP-000549 - Rehabilitación de la Plaza de los Próceres de Gurabo and PR-CRP-000559 - Remodelación de aceras alrededor de la Plaza de los Próceres de Gurabo

Dear Mr. Muniz:

We submit for your review the enclosed Self-Certification to fulfill requirements related with the Blanket Clearance Letter dated January 14, 2013. This information is submitted to comply with Section 7 of the Endangered Species Act (ESA). The project is a CDBG-DR funded project; allocated by HUD to PRDOH as the grantee of the funds and the Municipality of Gurabo as the subrecipient of the funds.

The Municipality of Gurabo proposes the revitalization of the Public Town Square and the reconstruction of the existing sidewalks, curbs, and gutters of several streets around the Plaza, namely PR-189, Juan R. Quinones St., Lago St., Matias Gonzalez St., PR-943 (Santiago Street), Eugenio Sanchez Lopez St., San Jose St., and Angel C. Morales St. The Plaza is bordered by Angel C. Morales St. on the north side, Eugenio Sanchez Lopez St. on the south, PR-943 (Santiago Street) on the west, and the San Jose St. on the east. It has a footprint of approximately 5,006.8 square meters. The project will increase the footprint by approximately 0.5% to 5,030.17 square meters. The sidewalks, curbs and gutters project will be performed inside the streets' right of way.

The proposed Plaza project aims to accomplish the following: establish a unique and signature landmark vision for the Plaza; enhance the connection as a place of gathering, social interaction, and other opportunities to attract and engage users; provide for lighting improvement, signage, pedestrian access, and landscape elements; seating and benches restoration or replacement, as needed; flooring repairs or replacement; patching and painting; redesign parking spaces orientation to improve and maximize amount of spaces; metal railings restoration or replacement; construction of a small new gazebo to match existing; four new trellis structures, architectural representation of Gurabo's coat of arms (sculpture, paint, mosaic, others); enhance and create facilities for pedestrians; ADA accessibility compliance from surrounding areas such as streets, sidewalks, and others.

The proposed sidewalks, curbs, and gutters project aims to improve the sidewalks within the Próceres Public Plaza that extend from Calle Lago to PR-189, and from Calle Matías González to Calle Juan R Quiñones, Gurabo, Puerto Rico. All works will be on sidewalks, curbs and gutters inside the right of way of the existing streets; increase in size or capacity is not expected on this project. In some road segments, demolition of a section of the road will be performed to construct concrete gutters between the sidewalks.

Ground Disturbance activities associated with the Plaza project will include trench excavations (maximum depth less than 3 ft (36 in)) for electric conduits and storm sewer pipes installation; demolition of asphalt pavement (4 inches max.); and removal of existing floor pavers and base reparation, where applicable. Demolition works will include demolition of existing sidewalks, curbs, pavement, and primary streets (in the areas the Plaza will expand) around the Gurabo Public Plaza. The project will also include the removal of the existing mobiliary. Lamps will be replaced in the existing posts. During

Construction, the existing trees within the public plaza will be protected, as they will remain at the Plaza. The Gurabo's Coat of Arms will be relocated inside the Plaza. An existing kiosk and Taxi station will remain, as will the sculpture located on the northwest corner of the Plaza.

For the sidewalks, curves and gutters, the maximum depth of excavation will be approximately 18 in for concrete gutters. The project includes demolition of existing sidewalks, curbs, pavement, gutters and roads (in areas where concrete gutters will be installed in the road between the sidewalks) that extend from the Calle Lago to PR-189, and from Calle Matías González to Calle Juan R Quiñones. There will be partial widening of existing sidewalks to comply with ADA regulations and PRTHA Standards. New handicapped ramps for ADA accessibility compliance will be constructed and signage and pavement markings for pedestrian crossings will be installed.

During the demolition and construction process, erosion and sedimentation control measures will be implemented to avoid sediment discharges into the storm sewer system. Controls to be installed include hay bales (or silt socks) on drainage structures, silt fence around the project limit, and implementation of a stabilized entrance, with truck washout station to avoid sediments track out into the streets. Staging and storage areas for construction materials will be protected with silt fence, or any other measure as needed. The staging area for the projects will be located in Eugenio Sanchez Street. A Maintenance of traffic plan and temporary control devices will be implemented to control the vehicular traffic and provide a safe route to pedestrians during the construction works. The maintenance of traffic plan will be prepared in compliance with the PRHTA and FHWA standards and regulations.

The project conforms to Project Criteria No 2: *Construction of gutters and sidewalks along existing roads and* No. 8: *Improvements to existing recreational facilities, including the installation of roof to existing basketball courts, provided that the lighting associated to the facility are not visible directly or indirectly from the beach* of the Blanket Clearance Letter for Federally sponsored projects, Housing and Urban Development dated January 14, 2013. The project activity is limited to a previously developed urban area and thus, the proposed action has no effect on any natural habitats or federally protected species. Please refer to enclosed maps and project description for details.

Should you require any additional information, please contact me at avazquez@gurabopr.com or at the following phone number 787-989-1718.

Cordially,

Amarilis Vazquez Aquino, MSA
Federal Programs Director

Self-Certification

Endangered Species Act Certification

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

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

The Municipality of Ceiba, Puerto Rico, certifies that the following project ***PR-CRP-000549 - Rehabilitación de la Plaza de los Próceres de Gurabo and PR-CRP-000559 -Remodelación de aceras alrededor de la Plaza de los Próceres de Gurabo,*** funded by HUD and located at 18.25557500, -65.97238475; Angel C. Morales St., San Jose St., Eugenio Sánchez Lopez St., and PR-943 (Plaza); Lago St., Matías Gonzalez St., Angel C. Morales St., PR-943, San Jose St., Juan R. Quinones St., Eugenio Sánchez Lopez St., Santiago, St., and PR-189 (Sidewalks), Gurabo, Puerto Rico, 00778. The plaza cadaster is 200-075-023-01. The rest of the project is on sidewalks or roads which do not have cadaster numbers., complies with:

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

Amarilis Vazquez Aquino, MSA
PO BOX 3020 Gurabo, PR 00778
787-989-1718/avazquez@gurabopr.com

May 15, 2023

IPaC **U.S. Fish & Wildlife Service**

IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

Location

Gurabo County, Puerto Rico



Local office

Caribbean Ecological Services Field Office

(787) 834-1600
(787) 851-7440
CARIBBEAN_ES@FWS.GOV

MAILING ADDRESS
Post Office Box 491
Boqueron, PR 00622-0491

PHYSICAL ADDRESS
Office Park I
State Road #2 Km 156.5, Suite 303}
Mayaguez, PR 00680

NOT FOR CONSULTATION

Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Draw the project location and click CONTINUE.
2. Click DEFINE PROJECT.
3. Log in (if directed to do so).
4. Provide a name and description for your project.
5. Click REQUEST SPECIES LIST.

Listed species[1] and their critical habitats are managed by the Ecological Services Program of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries[2]).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact NOAA Fisheries for species under their jurisdiction.

1. Species listed under the Endangered Species Act are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the listing status page for more information. IPaC only shows species that are regulated by USFWS (see FAQ).
2. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

The following species are potentially affected by activities in this location:

Reptiles

NAME	STATUS
Puerto Rican Boa *Chilabothrus inornatus* Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/6628	Endangered

Critical habitats

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

There are no critical habitats at this location.

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

NOT FOR CONSULTATION

Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act[1] and the Bald and Golden Eagle Protection Act[2].

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

1. The Migratory Birds Treaty Act of 1918.
2. The Bald and Golden Eagle Protection Act of 1940.

Additional information can be found using the following links:

- Birds of Conservation Concern https://www.fws.gov/program/migratory-birds/species
- Measures for avoiding and minimizing impacts to birds https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds
- Nationwide conservation measures for birds https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf

There are no migratory birds of conservation concern expected to occur at this location.

Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.

Nationwide Conservation Measures describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. Additional measures or permits may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the list of migratory birds that potentially occur in my specified location?

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

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

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

What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the Avian Knowledge Network (AKN). This data is derived from a growing collection of survey, banding, and citizen science datasets.

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

How do I know if a bird is breeding, wintering or migrating in my area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may query your location using the RAIL Tool and look at the range maps provided for birds in your area at the bottom of the profiles provided for each bird in your results. If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

NOT FOR CONSULTATION

What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are Birds of Conservation Concern (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the Eagle Act requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the Northeast Ocean Data Portal. The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the Diving Bird Study and the nanotag studies or contact Caleb Spiegel or Pam Loring.

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to obtain a permit to avoid violating the Eagle Act should such impacts occur.

Proper Interpretation and Use of Your Migratory Bird Report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the "no data" indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

NOT FOR CONSULTATION

Facilities

National Wildlife Refuge lands

Any activity proposed on lands managed by the National Wildlife Refuge system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

There are no refuge lands at this location.

Fish hatcheries

There are no fish hatcheries at this location.

Wetlands in the National Wetlands Inventory (NWI)

Impacts to NWI wetlands and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local U.S. Army Corps of Engineers District.

This location did not intersect any wetlands mapped by NWI.

NOTE: This initial screening does **not** replace an on-site delineation to determine whether wetlands occur. Additional information on the NWI data is provided below.

Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tuberficid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

Data precautions

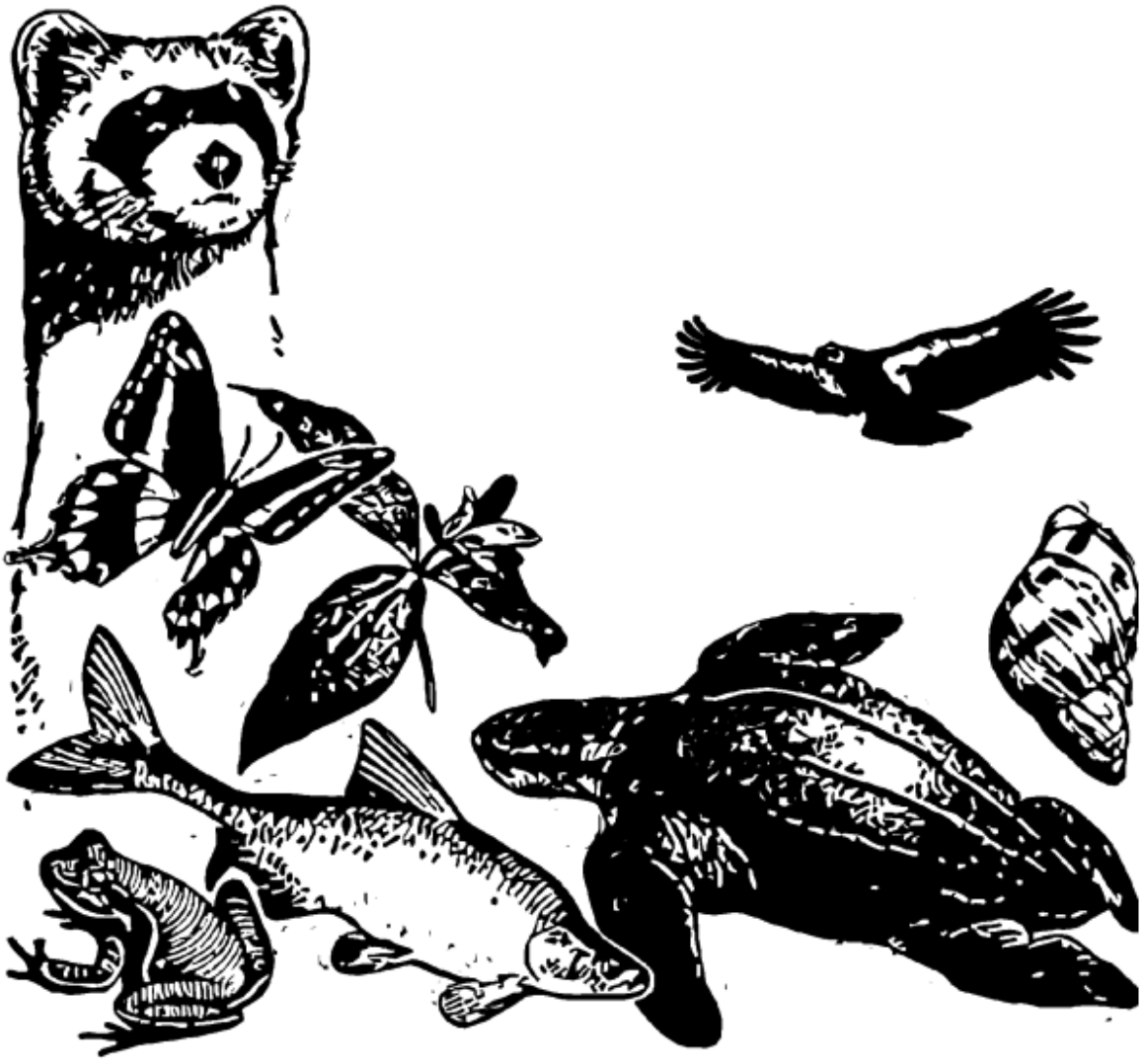
Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate Federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

NOT FOR CONSULTATION

U.S. Fish & Wildlife Service

General Project Design Guidelines (1 Species)

Generated March 31, 2023 12:42 AM UTC, IPaC v6.89.0-rc6



IPaC - Information for Planning and Consultation (https://ipac.ecosphere.fws.gov/): A project planning tool to help streamline the U.S. Fish and Wildlife Service environmental review process.

Table of Contents

Species Document Availability 1
Puerto Rican Boa - Caribbean Ecological Services Field Office 2

Species Document Availability

Species with general design guidelines

Puerto Rican Boa *Chilabothrus inornatus*

U.S. FISH AND WILDLIFE SERVICE
CARIBBEAN ECOLOGICAL SERVICES FIELD OFFICE

Conservation Measures for the Puerto Rican boa (*Chilabothrus inornatus*)

Section 7 (a)(1) of the Endangered Species Act (ESA) charges Federal agencies to aid in the conservation of listed species, and section 7 (a)(2) requires the agencies, through consultation with the U.S. Fish and Wildlife Service (Service), to ensure their activities are not likely to jeopardize the continued existence of listed species or adversely modify designated critical habitats. Section 7 applies to the management of Federal lands as well as Federal actions that may affect listed species, such as Federal approval of private activities through the issuance of Federal funding, permits, licenses, or other actions. Any person that injures, captures, or kills a Puerto Rico boa is subject to penalties under the ESA. If Federal funds or permits are needed, the funding or permitting agency should initiate Section 7 consultation with the Service. To initiate a consultation under the Section 7 of the ESA, you must submit a project package with the established minimum requirements. These conservation measures should be incorporated into the project plans to minimize possible impacts to the species.

The endangered Puerto Rican (PR) boa (*Chilabothrus inornatus*, formerly *Epicrates inornatus*) is the largest endemic snake species that inhabits Puerto Rico. The PR boa is non-venomous and does not pose any life threatening danger to humans, but some individuals may try to bite if disturbed or during capture or handling. Its body color ranges from tan to dark brown with irregular diffuse marking on the dorsum, but some individuals lack marking and are uniformly dark. Juveniles may have a reddish color with more pronounced markings. In general, as they mature, their body color tends to darken.



Adult PR boa – *Chilabothrus inornatus*
Photo: Puerto Rico by JP Zegarra

Last Revised: November 2020

The Puerto Rican boa was federally listed in 1970. Currently, the species has an island-wide distribution and occurs in a wide variety of habitat types ranging from wet montane to subtropical dry forest, and can be found from mature forest to areas with different degrees of human disturbance like roadsides or houses, especially if near their habitat in rural areas. This boa is considered mostly nocturnal, remaining less active, concealed or basking under the sun during the day.

The Service has developed the following conservation measures with the purpose of assisting others to avoid or minimize adverse effects to the PR boa and its habitat. These recommendations may be incorporated into new project plans and under certain circumstances into existing projects. Depending on the project, additional conservation measures can be implemented besides the ones presented in this document.

Conservation Measures:

1. Inform all project personnel about the potential presence of the PR boa in areas where the proposed work will be conducted. A pre-construction meeting should be conducted to inform all project personnel about the need to avoid harming the species as well as penalties for harassing or harming PR boas. An educational poster or sign with photo or illustration of the species should be displayed at the project site.

2. Prior to any construction activity, including removal of vegetation and earth movements, the boundaries of the project and areas to be excluded and protected should be clearly marked in the project plan and in the field in order to avoid further habitat degradation into forested and conservation areas.

3. Once areas are clearly marked, and prior to the use of heavy machinery and any construction activity (including removal of vegetation and earth movement), a biologist or personnel with experience on this species should survey the areas to be cleared to verify the presence of any PR boa within the work area.

4. The PR boa is considered more active at night. Thus, in order to maximize its detection, the species should be searched at nights prior to habitat disturbance.

5. Once the area has been searched for PR boas, vegetation should first be cleared by hand to the maximum extent possible. Vegetation should be cut about one meter above ground prior to the use of heavy machinery for land clearing. Cutting vegetation by hand will allow boas present on site to move away on their own to adjacent available habitat. Any stone walls or naturally occurring rock piles must be carefully dismantled by hand as these are refuges for the snake. This will allow any boas present to vacate the site without injury.

6. For all boa sightings (dead or alive), record the time and date of the sighting and the specific location where it was found. PR boa data should also include a photo of the animal (dead or alive), site GPS coordinates, the time and date, and comments on how the animal was detected and its behavior.

7. If a PR boa is found within any of the working or construction areas, activities should stop at that area and information recorded (see #6). **Do not capture the boa.** If boas need to be moved out of harm's way, designated personnel shall immediately contact the Puerto Rico Department of Natural and Environmental Resources (PRDNER) Rangers for safe capture and relocation of the animal (PRDNER phone #s: ((787) 724-5700, (787) 230-5550, (787) 771-1124). If immediate relocation is not an option, project-related activities at this area must stop until the boa moves out of harm's way on its own. Activities at other work sites, where no boas have been found after surveying the area, may continue.

8. If a PR boa is captured by the PRDNER, record the name of the PRDNER staff and information on where the PR boa will be taken. This information should be reported to the Service.

9. Measures should be taken to avoid and minimize PR boa casualties by heavy machinery or motor vehicles being used on site. Any heavy machinery left on site (staging) or near potential PR boa habitat (within 50 meters of potential boa habitat), needs to be thoroughly inspected each morning before work starts to ensure that no boas have sheltered within engine compartments or other areas of the equipment. If PR boas are found within vehicles or equipment, do not capture the animal and let it move on its own or call PRDNER Rangers for safe capture and relocation of the animal (see #7). If not possible, the animal should be left alone until it leaves the vehicle on its own.

10. PR boas may seek shelter in debris piles. Measures should be taken to avoid and minimize boa casualties associated with sheltering in debris piles as a result of project activities. Debris piles should be placed far away from forested areas. Prior to moving, disposing or shredding, debris piles should be carefully inspected for the presence of boas. If debris piles will be left on site, we recommend they be placed in areas that will not be disturbed in the future.

11. If a dead PR boa is found, immediately cease all work in that area and record the information accordingly (see #6). If the PR boa was accidentally? killed as part of the project actions, please include information on what conservation measures had been implemented and what actions that will be taken to avoid further killings. A dead boa report should be sent by email (see contacts below) to the Service within 48 hours of the event.

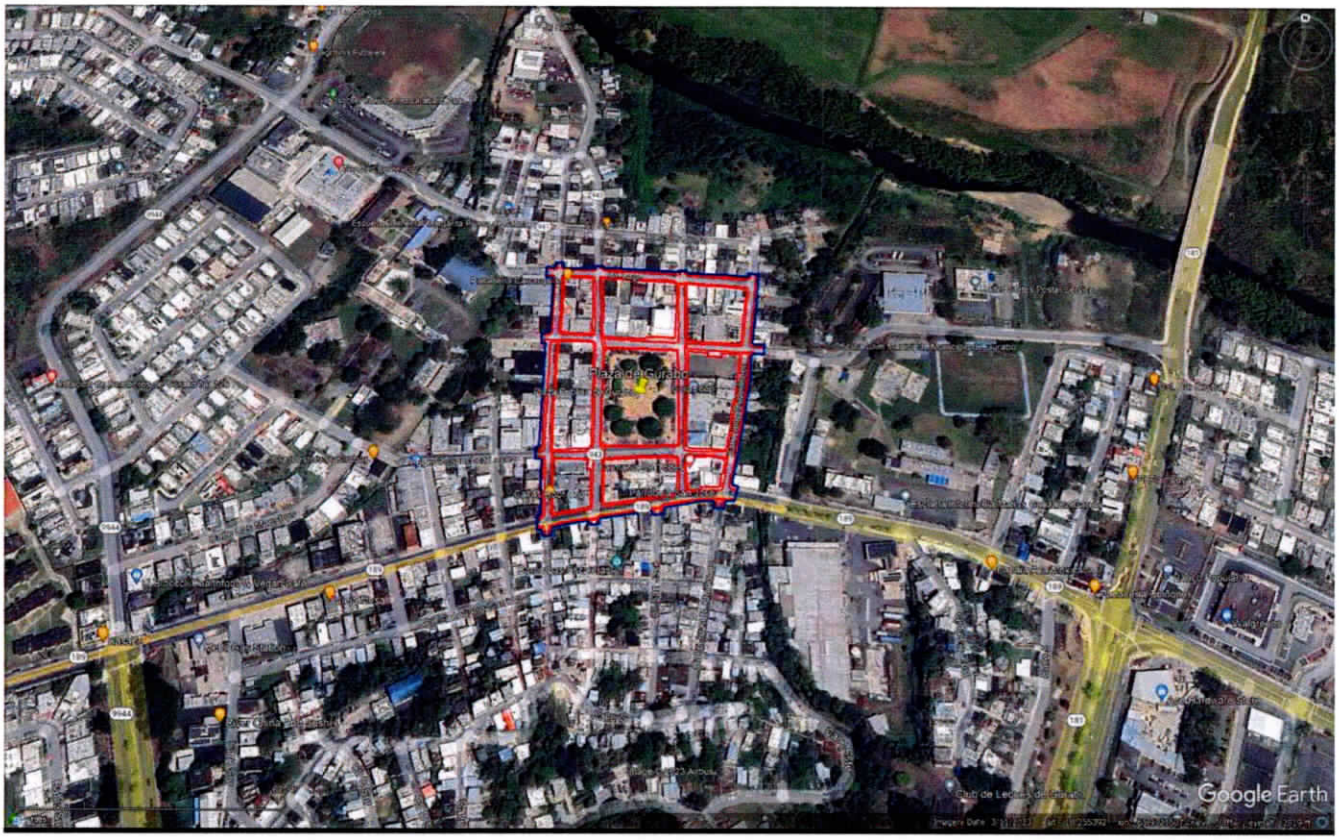
12. Projects must comply with all state laws and regulations. Please contact the PRDNER for further guidance.

If you have any questions regarding the above conservation measures, please contact the Service:

- Marelisa Rivera, Deputy Field Supervisor
    - Email: marelisa_rivera@fws.gov
    - Office phone (786) 244-0081 or mobile (305) 304-1814
- José Cruz-Burgos, Endangered Species Coordinator
    - Email: jose_cruz-burgos@fws.gov
    - Office phone (786) 244-0081 or mobile (305) 304-1386

Last Revised: November 2020

Aerial Photo 3/11/2023



IPaC **U.S. Fish & Wildlife Service**

IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

Location

Gurabo County, Puerto Rico



Local office

Caribbean Ecological Services Field Office

(787) 834-1600
(787) 851-7440
CARIBBEAN_ES@FWS.GOV

MAILING ADDRESS
Post Office Box 491
Boqueron, PR 00622-0491

PHYSICAL ADDRESS
Office Park I
State Road #2 Km 156.5, Suite 303}
Mayaguez, PR 00680

NOT FOR CONSULTATION

Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

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Listed species[1] and their critical habitats are managed by the Ecological Services Program of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries[2]).

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The following species are potentially affected by activities in this location:

Reptiles

NAME	STATUS
Puerto Rican Boa *Chilabothrus inornatus* Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/6628	Endangered

Critical habitats

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

There are no critical habitats at this location.

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

NOT FOR CONSULTATION

Migratory birds

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

There are no migratory birds of conservation concern expected to occur at this location.

Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.

Nationwide Conservation Measures describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. Additional measures or permits may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the list of migratory birds that potentially occur in my specified location?

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

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

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

What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the Avian Knowledge Network (AKN). This data is derived from a growing collection of survey, banding, and citizen science datasets.

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

How do I know if a bird is breeding, wintering or migrating in my area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may query your location using the RAIL Tool and look at the range maps provided for birds in your area at the bottom of the profiles provided for each bird in your results. If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

NOT FOR CONSULTATION

What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are Birds of Conservation Concern (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the Eagle Act requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the Northeast Ocean Data Portal. The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the Diving Bird Study and the nanotag studies or contact Caleb Spiegel or Pam Loring.

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to obtain a permit to avoid violating the Eagle Act should such impacts occur.

Proper Interpretation and Use of Your Migratory Bird Report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the "no data" indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

NOT FOR CONSULTATION

Facilities

National Wildlife Refuge lands

Any activity proposed on lands managed by the National Wildlife Refuge system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

There are no refuge lands at this location.

Fish hatcheries

There are no fish hatcheries at this location.

Wetlands in the National Wetlands Inventory (NWI)

Impacts to NWI wetlands and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local U.S. Army Corps of Engineers District.

This location did not intersect any wetlands mapped by NWI.

NOTE: This initial screening does **not** replace an on-site delineation to determine whether wetlands occur. Additional information on the NWI data is provided below.

Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tuberficid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

Data precautions

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate Federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

NOT FOR CONSULTATION

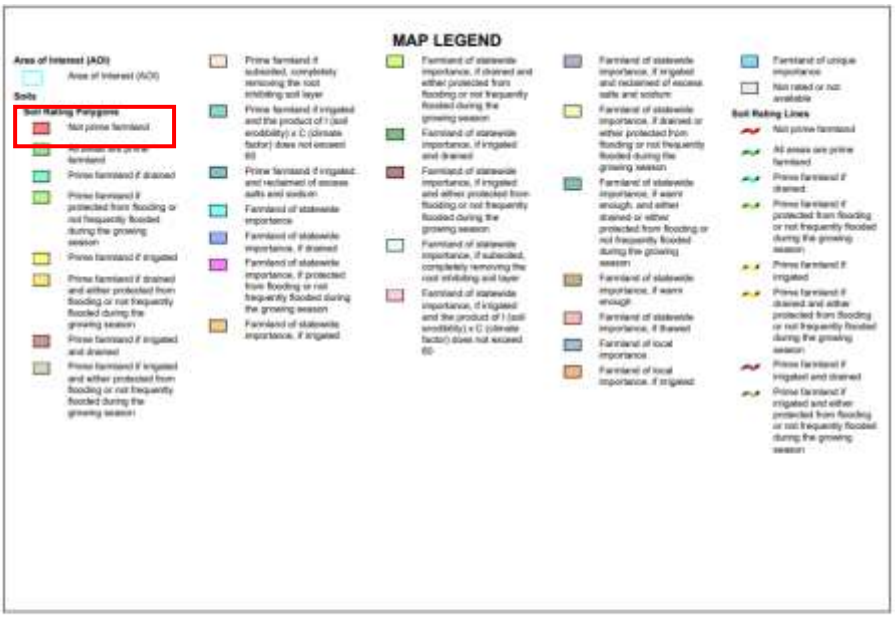
Project Name: PR-CRP-000549 - Rehabilitación Plaza de los Proceres de Gurabo; and PR-CRP-000559 -Remodelación de aceras alrededor de la Plaza de los Próceres de Gurabo
Location: Angel C. Morales St., San Jose St., Eugenio Sánchez Lopez St., and PR-943 (Plaza); Lago St., Matías Gonzalez St., Angel C. Morales St., PR-943, San Jose St., Juan R. Quinones St., Eugenio Sánchez Lopez St., Santiago, St., and PR-189 (Sidewalks), Gurabo, Puerto Rico
Lat/Long: 18.25557500, -65.97238475

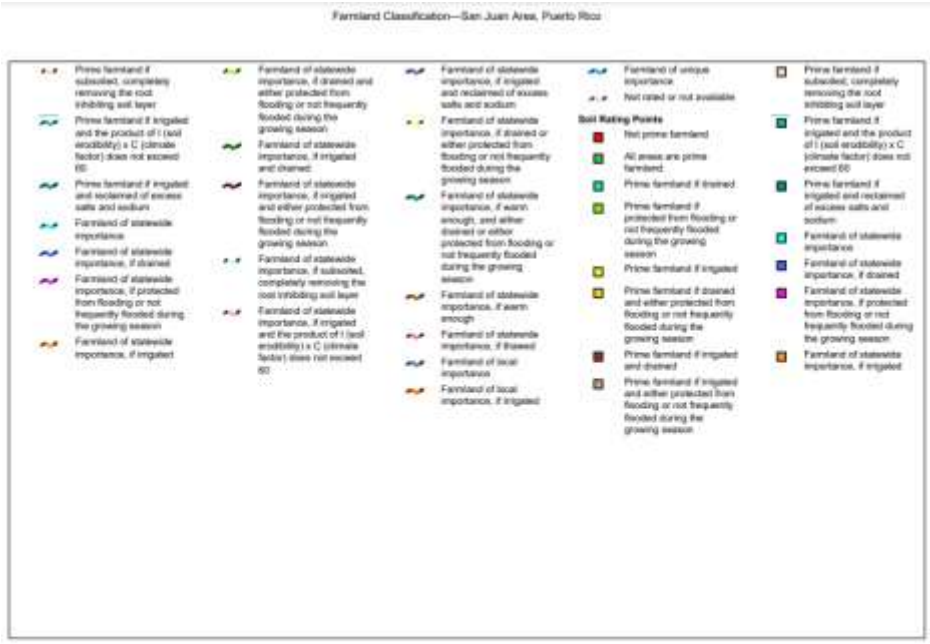
EXHIBIT NO 8 - FARMLAND



Source: https://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx
Company: Benítez Ramos & Associates, LLC
Date: 05/02/2023

Project Name: PR-CRP-000549 - Rehabilitación Plaza de los Proceres de Gurabo; and PR-CRP-000559 -Remodelación de aceras alrededor de la Plaza de los Próceres de Gurabo
Location: Angel C. Morales St., San Jose St., Eugenio Sánchez Lopez St., and PR-943 (Plaza); Lago St., Matías Gonzalez St., Angel C. Morales St., PR-943, San Jose St., Juan R. Quinones St., Eugenio Sánchez Lopez St., Santiago, St., and PR-189 (Sidewalks), Gurabo, Puerto Rico
Lat/Long: 18.25557500, -65.97238475





Source: https://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx
Company: Benítez Ramos & Associates, LLC
Date: 05/02/2023

Project Name: PR-CRP-000549 - Rehabilitación Plaza de los Proceres de Gurabo; and PR-CRP-000559 -Remodelación de aceras alrededor de la Plaza de los Próceres de Gurabo
Location: Angel C. Morales St., San Jose St., Eugenio Sánchez Lopez St., and PR-943 (Plaza); Lago St., Matías Gonzalez St., Angel C. Morales St., PR-943, San Jose St., Juan R. Quinones St., Eugenio Sánchez Lopez St., Santiago, St., and PR-189 (Sidewalks), Gurabo, Puerto Rico
Lat/Long: 18.25557500, -65.97238475

Farmland Classification—San Juan Area, Puerto Rico



Source: https://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx
Company: Benítez Ramos & Associates, LLC
Date: 05/02/2023

Project Name: PR-CRP-000549 - Rehabilitación Plaza de los Proceres de Gurabo; and PR-CRP-000559 -Remodelación de aceras alrededor de la Plaza de los Próceres de Gurabo
Location: Angel C. Morales St., San Jose St., Eugenio Sánchez Lopez St., and PR-943 (Plaza); Lago St., Matías Gonzalez St., Angel C. Morales St., PR-943, San Jose St., Juan R. Quinones St., Eugenio Sánchez Lopez St., Santiago, St., and PR-189 (Sidewalks), Gurabo, Puerto Rico
Lat/Long: 18.25557500, -65.97238475

Farmland Classification

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
Dm	Dique loam	All areas are prime farmland	1.4	3.7%
Um	Urban land-Mucara complex, 12 to 40 percent slopes	Not prime farmland	35.6	96.3%
Totals for Area of Interest			37.0	100.0%

Description

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

Rating Options

Aggregation Method: No Aggregation Necessary

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

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

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

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

Tie-break Rule: Lower

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

Source: https://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx
Company: Benítez Ramos & Associates, LLC
Date: 05/02/2023

Exhibit 9: SHPO Concurrence, 106 NHPA Effect Determination and Archeological Monitoring Plan

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

Wednesday, May 29, 2024

Lauren B Poche

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

SHPO-CF-04-25-24-03 PR-CRP-000549/000559 (Gurabo), Rehabilitación de la Plaza y Aceras Alrededor

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 archaeological monitoring during all ground disturbing activities for the project. We have reviewed the archaeology monitoring work plan summited on April 25, 2024, the plan is deemed acceptable, and we concur with its implementation.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/ SG

October 20, 2022

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

Re: Authorization to Submit Documents

Dear Arch. Rubio Cancela:

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

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

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

Cordially,

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

April 25, 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-000549 and PR-CRP-00559 Rehabilitación de la Plaza de los Próceres de Gurabo/Remodelación de Aceras Alrededor de la Plaza de los Próceres de Gurabo Projects, Gurabo, 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, the Puerto Rico Department of Housing contracted Horne Federal, LLC (HORNE) to provide environmental records review services that will support the Department's objectives Puerto Rico Housing (PRDOH) for CDBG-DR.

On behalf of PRDOH and the subrecipient, the Municipality of Gurabo, we are submitting documentation for the proposed Rehabilitación de la Plaza de los Próceres de Gurabo and Remodelación de Aceras Alrededor de la Plaza de los Próceres de Gurabo Projects. The Municipality of Gurabo proposes to revitalize and remodel the town plaza as well as improvements to sidewalks for eight blocks surrounding the plaza. Regarding the sidewalks, the undertaking involves demolishing existing sidewalks, curbs, and outer elements, reconstructing them in the same space with new sidewalks, concrete curbs, and gutters, incorporating necessary handicap ramps and driveway reconstruction. The full scope of the project is described in the submitted documentation, which includes mapping, photographs, and the 90% construction 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 demolitions, excavations, and ground disturbing activities. An archaeological monitoring plan, prepared by Archaeologist Imandra Martínez is included with this submission for review and concurrence of the appropriateness of its implementation for this 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
Attachments

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 Gurabo, Puerto Rico	
Project Name: "Rehabilitación de la Plaza de los Próceres de Gurabo" (PR-CRP-000549) and "Remodelación de aceras alrededor de la Plaza de los Próceres de Gurabo" (PR-CRP-000559)	
Project Number: PR-CRP-000549 and PR-CRP-000559	

Project Location: Calle Eugenio Sanchez Lopez, Plaza Publica Los Proceres, Barrio Pueblo, Gurabo	
Project Coordinates: Lat: 18.25557500°, Lon: −65.97238475°	
TPID (Número de Catastro)**:** 200-075-023-01	
Type of Undertaking: ☒ Substantial Repair ☐ New Construction	
Construction Date (AH est.): c. 1840	**Property Size** (acres)**:** PR-CRP-000549 - 1.237 acres (5,009.92 sq m) PR-CRP-000559 - 0.034799 acres (8,599.1 sq m)

SOI-Qualified Architect/Architectural Historian: Heidi Johanna Dilan
Date Reviewed: 12/20/2023 (rev.), 02/01/2024 (rev.), 04/01/2024 (rev.)4/22/2024
SOI-Qualified Archaeologist: Fernando Alvarado Muñoz
Date Reviewed: 08/09/2023, 12/18/2023 (rev.), 02/01/2024 (rev.), 03/26/2024 (rev.), 04/03/2024 (rev)., 04/19/2024 (rev.)

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

Project Description (Undertaking)

In Gurabo, Puerto Rico, two distinct projects, PR-CRP-000559 "sidewalk improvements" and PR-CRP-000549 "plaza improvements", are proposed to transform already established public spaces. PR-CRP-000559, sidewalk improvements project focuses on enhancing sidewalks and pathways within Próceres Public Plaza, prioritizing accessibility, and a cohesive urban design. Meanwhile, PR-CRP-000549 by the plaza improvements project is dedicated to revitalizing the Municipal Town Square, merging historical essence with contemporary elements for a dynamic communal space.

Project PR-CRP-000559 and Project PR-CRP-000549 Enhancement Descriptions are:

Project PR-CRP-000559:

The urban center of Gurabo's sidewalk modifications and repairs are reflected across eight blocks surrounding the central plaza, encompassing 79 property and land subdivisions. These

are situated between Matias Gonzalez Garcia, Angel Celestino Morales, Eugenio Sanchez Lopez, San Jose, Juan R Quiñones, Lago, and PR-169 streets. The project involves demolishing existing sidewalks, curbs, and outer elements, reconstructing them in the same space with new sidewalks, concrete curbs, and gutters, incorporating necessary handicap ramps and driveway reconstruction. The project respects the boundaries of existing properties.

Ground Disturbance:
This project's scope encompasses the comprehensive reconstruction of existing sidewalks, curbs, and gutters within the Próceres Public Plaza vicinity in Gurabo. A vital facet of this involves excavating concrete gutters, reaching a maximum depth of 18 inches. This process will significantly upgrade the infrastructure, ensuring better drainage and structural integrity.

Demolition:
Existing elements that hinder the project's objectives will be removed to make way for the revitalized public space. This includes demolishing existing sidewalks, curbs, and gutters extending from Calle Lago to PR-189 and from Calle Matías González to Calle Juan R Quiñones. Additionally, the project involves partially widening sidewalks to adhere to ADA accessibility standards. Alongside this, installing new handicapped ramps, signage improvements, and pedestrian crossing markings will further enhance the overall accessibility and safety of the area.

Project Description:

- Enhancing sidewalks within Próceres Public Plaza, extending from Calle Lago to PR-189 and from Calle Matías González to Calle Juan R Quiñones, Gurabo, Puerto Rico.
- Addressing architectural barriers to improve accessibility.
- Ensuring ADA accessibility compliance with new handicap ramps and pedestrian crossings.
- Conceptually linking sidewalks and the plaza through similar architectural elements.

Project PR-CRP-000549:
Gurabo's public square currently embodies a centrally located, traditionally colonial space adapted over the years. It features a central area with garden stations, surrounded by parking on all four sides, marked by circular interventions at the corners. Drawing reference from page C200 indicates a shift in garden symmetry—now more minimalist and triangular—while preserving original entrances.

The central space undergoes a transformation with a distinct flooring pattern. Parking spaces are reconfigured, reduced, and allocated space for sidewalks, maintaining harmony with the original circular corners. Existing stairs are reimagined as ramps for improved accessibility. Notably, new garden spaces retain existing bench configurations, adding greenery to areas that were previously sidewalk-parking with central planters.
In higher elevation areas, such as the side facing Angel Celestino Morales Street, the existing staircase remains for plaza access. Surrounding areas of plaza sidewalks and streets like San Jose, Eugenio Sanchez Lopez, PR-943, and Angel Celestino Morales will be enhanced without impacting adjacent properties.
In a broader context, it's crucial to note varying elevations and diverse activities, including commercial stalls, viewpoints, sculptures, gazebos, and green spaces.

Ground Disturbance:
This project encompasses ground-disturbing activities to rejuvenate the Municipal Town Square of Gurabo. It involves trench excavations for electric conduits and storm sewer pipes, with a maximum depth of 3 feet (36 inches). Additionally, removing a portion of asphalt pavement, at most 4 inches, is planned to accommodate the installation of new plaza flooring.

Demolition:
The transformation of the Municipal Town Square requires removing existing infrastructure that no longer aligns with the project's vision. This includes demolishing sidewalks, curbs, pavement, and primary streets surrounding Próceres Public Plaza. Furthermore, existing furnishings and elements that hinder the proposed enhancements will also be removed.

Project Description:
- Identify architectural barriers with no infrastructure utilities which can be removed or relocated to clear access.
- Sidewalks surface design.
- Signage improvements on sidewalks and street pavement.
- ADA accessibility compliance from the street and establishments and handicap ramps.
- Conceptually connecting the sidewalks and Plaza by using similar architectural elements.

Through Projects PR-CRP-000559 and PR-CRP-000549, Gurabo is poised to experience a revitalization of its public spaces. By addressing infrastructure needs, enhancing accessibility, and promoting visual appeal, both projects align with the community's aspirations for vibrant

and functional urban areas. These efforts reflect a commitment to improving the quality of life for residents and visitors while preserving the town's unique identity.

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 the following:

For Project PR-CRP-000559:

- Direct APE: The sidewalks within Próceres Public Plaza in Gurabo, Puerto Rico, bordered by Calle Lago, PR-189, Calle Matías González, and Calle Juan R. Quiñones based on the scope of work.
- Indirect APE: The surrounding area influenced by the project, which may experience changes or impacts indirectly related to the sidewalk modifications in Próceres Public Plaza, that's in the traditional urban center and within the indirect APE.

For Project PR-CRP-000549:

- Direct APE: The Plaza de los Próceres, measuring approximately 277 feet north to south and 200 feet east to west from the center of the plaza. It is bordered by Calle Lago to the north, Calle Juan R. Quiñones to the south, Calle San José to the east, and Calle Santiago to the west based on the scope of work.
- Indirect APE: The neighboring buildings and areas near the Plaza de los Próceres, such as San José Church and Municipal Hall from the traditional urban center may be compromised on construction hours by noise or transit changes due to nearby of the projects and streets.

The complete project area encompassing both the plaza and sidewalks covers approximately 8.5991 acres or 0.034799 square kilometers based on the official project details. The visual APE pertains to the viewshed of the proposed projects, which is the streets and buildings adjacent to the plaza, which are comprised of 0.10 mile east to west and 0.12 miles north to south, counting streets and attached urban blocks.

Historic Background

Located in the central-northern region of the island, Gurabo is bordered to the north by the Municipality of Trujillo Alto, to the east by Carolina and Juncos, to the south by San Lorenzo, and to the west by Caguas, separated by the Río Grande de Loíza. Historically, Gurabo was a district of Caguas. Known as "The City of Stairs," Gurabo was founded on November 28, 1814. The name Gurabo originates from the Taíno Language (Grupo Editorial EPRL, Enciclopediapr.org, Municipio de Gurabo, 2009).

The history of the municipality dates to the seventeenth century when a group of inhabitants of the valley between the rivers Turabo and Grande de Loíza migrated to the other side of the river towards the hill called "El Piñal". There, they built a hermitage named "Dulce Nombre de Jesús" that became the parish of the area. However, that hermitage was too exposed to hurricanes, and after being destroyed several times, in 1770 it was finally abandoned. Then, the original settlers of "El Piñal" moved to the other side of the river, to the village of "El Barrero". In "El Barrero", they established the parish with the same name "Dulce Nombre de Jesús" and, in 1775, this town became the town of Caguas. Nevertheless, a certain group of the settlers remained in "El Piñal", thus forming Gurabo, as a neighborhood of Caguas (https://nuestropuertorico.com/municipios/gurabo/).

The distance of the neighborhood of Gurabo from the parish in Caguas and the danger involved in crossing the river to reach it, motivated 168 neighbors in 1812 to request the separation of the neighborhood of "El Piñal" from the town of Caguas. They also asked that the border between the two settlements be the river Grande de Loíza. Luis del Carmen de Echevarría was entrusted with the management of the procedures for the foundation of the new town. As was customary, the neighbors undertook to erect a church, the king's house, the priest's house, and a butcher's shop, to fence space for the cemetery and reserve land for the square (this can be seen in the drawing of Augusto Pleé from 1821 included at the end of this documents with the other maps), and other public works (Ibid).

Three years later, in 1814, Gurabo managed to become a municipality under the authorization of Governor Salvador Meléndez Bruna, who fixed the river as a border. In 1822, the town erected its parish in honor of St. Joseph. In 1824, Pedro Tomás de Córdoba made the following notes of Gurabo.

> .... It had 1,938 inhabitants; among them 6 artisans, 7 foreigners, 6 emigrants, 1 doctor, and 1 school. The village was composed of 11 houses and 22 bohios and 180 houses and 100 "bohíos" in the countryside, 2 tents, and 5 vents (Sepulveda Rivera, Anibal; Puerto Rico Urbano. San Juan, Carimar, Vol. 1. 2004, Page 94).

As noted in the Plan of Gurabo of 1815 (included with maps at end of document), the traditional urban center was already defined with the "Plaza de Recreo" and the streets that delimit the Plaza; Calle Comercio (to the North), Calle del Sol (to the South) Calle de Santiago (to the West) and Calle de San José (to the East). In 1815 the street that limits the block of the San José church to the south was the Camino Real that led to Caguas and Junco's. Today the Camino Real is now Highway 189, Andrés Arús Rivera Street. The street north of Comercio Street was Calle del Lago, the street to the east of Calle San José was Calle de Las Flores and the street west of Calle de Santiago was Calle Aurora.

In the mid-nineteenth century, Gurabo was a town built basically in wood, as described by José Álvarez in 1853:

> The public buildings are, the Parish Church of masonry and brick, the presbytery with roof and its nave with tile roof is just rebuilt, the King's House made of wood and tiles were recomposed in 1852, a small butcher shop of wood and tiles, 1 stone and brick house under construction, 36 wooden houses covered with tiles, 13 wooden houses covered with yaguas and 41 bohios (Ibid, Vol. II, 2004, Page 96).

Around 1850, the territory of Gurabo was divided into; Gurabo Pueblo, Mamey, Jagual, Piñal, and Rincón. Twenty years later, the neighborhoods of Jagual, Peñón, and Piñal (now Navarro) had already disappeared and Hato Nuevo, Masa's, and Quebrada Infierno had been created. Gurabo was greatly affected by the cholera epidemic in 1856, its territory also was frequently hit by hurricanes, which destroyed homes and devastated its agricultural and livestock wealth (Ibid). Originally the Plaza de Gurabo was first called "Plaza de la Alameda", after that, "Plaza de Recreo", then, they changed the name to "Plaza Luis Muñoz Marín" and recently was renamed "Plaza de los Próceres de Gurabo".

Until 1974, Gurabo produced approximately 1,158 tons of sugar annually. That same year, there were thirteen first-class diaries and six tobacco farmers. In 1998, Gurabo has ten major industries manufacturing wallets, bras, clothing, antennas, pharmaceuticals, and electrical

effects, among other things (Ibid). Some of the institutions that contribute to the town's economy are the Credit Union Communal of Gurabo, founded in 1961; the University of Turabo, the Ana G. Méndez System and the Academy of Police Sciences (Ibid).

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), reveals that the project area is part of the Traditional Urban Center and holds archaeological resources and potential for intact deposits.

Based on the research and data obtained from The Institute of Puerto Rican Culture and The States Preservation Office within a quarter-mile radius of the project, the following previous investigations were identified:

Study Identification	Title	Type	Type of Site	Author	Results & Recommendations	Period	Distance
ICP/CAT-GR-12-14-03	Biblioteca Municipal de Gurabo	Phase IA	Historic	Sharon Meléndez Ortíz	Positive	XIX	0.04 miles
ICP/CAT-GR-97-06-05	Mejoras al Sistema Sanitario de Gurabo	Phase IA	Historic	Antonio Daubón Vidal	Positive	XIX	0.00 miles
ICP/CAT-GR-92-02- 02	Acceso PR-9944 desde PR-941 a PR-943 (AC-9944-01)	Phase IA-IB	N/A	Pedro Alvarado Zayas	Negative	N/A	0.23 miles Northwest
ICP/CAT-GR-93-02- 04	Gurabo - Caguas Sanitary Trunk Sewer Project	Phase IB	N/A	Juan A. Rivera Fontán	Negative	N/A	0.19 miles North

Study Identification	Title	Type	Type of Site	Author	Results & Recommendations	Period	Distance
	(E.P.A. #C-72-82-03)						
ICP/CAT-GR-93-02- 06	Gurabo - Caguas Sanitary Trunk Sewer Project (E.P.A. #C-72-82-03)	Phase IA	N/A	Juan A. Rivera Fontán	Negative	N/A	0.19 miles North

Other research and data obtained from The Institute of Puerto Rican Culture and the State Historic Preservation Office within a quarter mile of the project revealed the following known historic properties:

Site Identification	SHPO or ICP/CAT	Type of Site	Site Name	Date/Period	Distance from the Project
GR0200001 / GR-6	Both	Historic	Iglesia San José	19th Century	0.00 miles
GR-13	ICP/CAT	Historic	Cuartel de Bomberos	N/A	0.00 miles
GR0200011 / GR-14	Both	Historic	Plaza Luis Muñoz Marín	19th Century	0.00 miles
GR0200007 / GR-15	Both	Historic	Respetada Logia Gloria de Gurabo 10,004	19th Century	0.00 miles
GR-17	ICP/CAT	Historic	Cash and Carry	N/A	0.00 miles
GR-18	ICP/CAT	Historic	Gurabo Memorial	N/A	0.05 miles
GR-19	ICP/CAT	Historic	No name	Early 20th Century	0.04 miles

Site Identification	SHPO or ICP/CAT	Type of Site	Site Name	Date/Period	Distance from the Project
GR-20	ICP/CAT	Historic	Iglesia de Evangelio Misionera	N/A	0.06 miles
GR-21	ICP/CAT	Historic	No name	Early 20th Century	0.09 miles
GR-23	ICP/CAT	Historic	No name	Early 20th Century	0.07 miles
GR-24	ICP/CAT	Historic	No Name	Early 20th Century	0.02 miles
GR-25	ICP/CAT	Historic	Antigua Unidad de Salud Pública	N/A	0.01 miles
GR-26	ICP/CAT	Historic	Antigua Carnicería	N/A	0.02 miles
GR-27	ICP/CAT	Historic	Colmado Meín	Early 20th Century	0.03 miles
GR-28	ICP/CAT	Historic	No name	Early 20th Century	0.02 miles
GR-29	ICP/CAT	Historic	No name	Early 20th Century	0.03 miles
GR-31	ICP/CAT	Historic	No name	Early 20th Century	0.03 miles
GR-32	ICP/CAT	Historic	No name	Early 20th Century	0.03 miles
GR-33	ICP/CAT	Historic	No name	Early 20th Century	0.02 miles
GR-34	ICP/CAT	Historic	No name	Early 20th Century	0.02 miles

Site Identification	SHPO or ICP/CAT	Type of Site	Site Name	Date/Period	Distance from the Project
GR-35	ICP/CAT	Historic	No name	Early 20th Century	0.00 miles
GR-36	ICP/CAT	Historic	No name	Early 20th Century	0.00 miles
GR-37	ICP/CAT	Historic	No name	Early 20th Century	0.00 miles
GR-39	ICP/CAT	Historic	Panadería Carrasquillo	N/A	0.00 miles
GR-40	ICP/CAT	Historic	No name	Early 20th Century	0.00 miles
GR-41	ICP/CAT	Historic	No name	N/A	0.00 miles
GR-42	ICP/CAT	Historic	No name	N/A	0.00 miles
GR-43	ICP/CAT	Historic	No name	N/A	0.00 miles
GR-43	ICP/CAT	Historic	No name	N/A	0.00 miles
GR-45	ICP/CAT	Historic	Casa Alcaldía (City Hall)	N/A	0.00 miles
GR-47	ICP/CAT	Historic	No name	N/A	0.00 miles
GR-49	ICP/CAT	Historic	Panadería Dannys	N/A	0.03 miles
GR-52	ICP/CAT	Historic	Nanira Hairstyling	N/A	0.00 miles
GR-53	ICP/CAT	Historic	Familia Crespo	Early 20th Century	0.00 miles
GR-54	ICP/CAT	Historic	Tienda Díaz	N/A	0.00 miles
GR-55	ICP/CAT	Historic	No name	Early 20th Century	0.00 miles

Site Identification	SHPO or ICP/CAT	Type of Site	Site Name	Date/Period	Distance from the Project
GR-56	ICP/CAT	Historic	Familia Casellas	Early 20th Century	0.03 miles
GR-57	ICP/CAT	Historic	Casa Misericordia-El Telégrafo	N/A	0.04 miles
GR-58	ICP/CAT	Historic	Lechería	Early 20th Century	0.07 miles
GR-59	ICP/CAT	Historic	No name	Early 20th Century	0.07 miles
GR-60	ICP/CAT	Historic	Familia González	Early 20th Century	0.00 miles
GR-61	ICP/CAT	Historic	No name	Early 20th Century	0.08 miles
GR-62	ICP/CAT	Historic	Eclipse Pizzería	Early 20th Century	0.08 miles
GR-63	ICP/CAT	Historic	No name	Early 20th Century	0.08 miles

Preliminary Results:

Our research identified two positive archaeological studies within the direct APE. ICP/CAT-GR-97-06-05 by Antonio Daubón Vidal is a phase IA study. The purpose of this study was to study the impact of the improvements to the sanitary system of the urban center will have on the cultural resources of the area. The study bore positive results with the author concluding that multiple structures of historic significance were identified within the proposed area. These structures include the San José catholic parish, the historic city hall, and the main plaza itself. The author suggests that all construction works from that point onward employ strict archaeological monitoring to ensure the preservation of cultural resources. The second, ICP/CAT-GR-12-14-03, was also a phase IA archaeological study. This study evaluated the

possibility of the improvements to the Gurabo Municipal Library building in the corner of the Eugenio Sánchez Lopez and PR-943 will have on the cultural resources related to the founding and development of the urban center and plaza. The author Sharon Melendez Ortiz determined that the improvements were not going to impact the potential archaeological deposits underneath the surface.

These studies contributed to the official recognition of several sites. Notable among these are the Iglesia San Jose (GR-6) and the town hall (Casa Alcaldía, GR-45), in addition to the Project Site itself, Plaza Luis Muños Marin, known as GR-14 under ICP/CAT or GR02000011 under SHPO. All these sites can be traced back to at least the XIX Century.

There are additionally eighteen (18) historic structures identified in an inventory at the ICP/CAT archives that will be impacted directly by the sidewalk's improvements (Investigación Regional del Municipio de Gurabo, 2002, CSA Group). These structures are identified in the ICP/CAT by the following identification numbers: GR-13, GR-17, GR-35, GR-36, GR-37, GR-39, GR-40, GR-41, GR-42, GR-43, GR-45, GR-47, GR-52, GR-53, GR-54, GR-55, and GR-60. Most of them correspond to private structures, residences, and stores. Most of them were built during the early 20th century.

All the above findings further suggest that since the establishment of Gurabo in 1815, the original layout and footprint of its urban blocks has remained mostly consistent and unchanged. This can be seen as well in the topographic maps from 1947, 2018 and aerial images from 1937, 1951 and 1972. The proposed project area falls within this enduring historical grid of urban blocks. Over the past two centuries, the urban center of Gurabo has witnessed continuous occupation, leaving traces of various urban activities throughout this area. The archaeological record potentially contains valuable information about the town's construction stages, original structures, and infrastructure elements such as sidewalks, drains, canals, "aljibes" (water cisterns), remnants of wooden "socos" (supports), as well as sections of walls and floors associated with the historic Gurabo houses and buildings. These elements provide insights into the rich cultural history embedded in this urban context. Additionally, it should be considered the potential of unearthing human remains part of the original atrium cemeteries associated with the catholic parish and its surroundings.

It is recommended that the construction of the project continue under archaeological monitoring since the potential of unearthing cultural materials is high, for all excavations, demolitions, and ground disturbances. Furthermore, it is recommended that any activities conducted in the plaza and sidewalks refrain from using heavy machinery. Instead, use light

machinery or hand tools that pose no risk of damaging cultural resources beneath the surface layer of the historic properties.

Identification of Historic Properties - Architecture

Existing information on previously identified historic properties has been reviewed to determine if any such resources are located within the Area of Potential Effects (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-eligible Gurabo Traditional Urban Center.

The Gurabo Plaza, known as Plaza de los Proceres, presents an intriguing architectural concept that seamlessly integrates diverse elements within its layout, making it eligible for listing. In addition to this central public space, the sidewalks in the surrounding blocks lead the way for pedestrians to communicate with existing buildings and related activities in the plaza. This exceptional space results from two intertwined projects encompassing the Plaza and the adjacent sidewalks. Notably, three of the Plaza's four corners boast significant monuments, including the Luis Muñoz Marín Monument, infusing the area with historical and cultural significance that extends through the connecting sidewalks to the surrounding urban fabric. This synthesis creates a harmonious blend of design components catering to practicality and aesthetics. Therefore, both areas, the Plaza de los Proceres and the leading sidewalks surrounding the traditional urban center are being renovated.

Consequently, the ongoing renovation efforts not only acknowledge the historical and cultural significance of the Gurabo Plaza, Plaza de los Proceres, and its connecting sidewalks but also prompt a closer examination of the National Register of Historic Places (NRHP) listed/eligible properties within a quarter-mile radius. This expanded analysis aims to encompass the broader historical context and significance of the surrounding area, shedding light on additional resources that contribute to the rich heritage of the Gurabo Traditional Urban Center.

The following NRHP listed/eligible properties have been identified within a ¼ mile radius of the APE:

A. Project Site, Traditional Main Square Plaza (APE):

- North: Angel C. Morales Street
- South: Eugenio S. López Street
- East: San José Street
- West: Santiago Street

B. Eugenio López Street, Masonic Lodge (Institutional)

- Location: Eugenio López Street
- Built: Late 1800s
- Style: Vernacular
- Architect: Unknown
- Distance to APE: 0.01 miles
- Description: This historic lodge on Eugenio Sánchez López Street contributes to the plaza's backdrop of civic structures as a site of community gathering for over a century. It appears eligible for the National Register listing under Criterion A.

C. Santiago Street, Catholic Church (Institutional)

- Location: Santiago Street
- Built: c. 1840
- Style: Neoclassical
- Architect: Unknown
- Distance to APE: 0.01 miles
- Description: This landmark church facing the plaza's northern edge has been listed on the National Register of Historic Places since 1984. It is architecturally distinguished under Criterion C, retaining exceptional integrity of design, materials, workmanship, and other aspects.

D. Santiago Street, Historic City Hall (Institutional)

- Location: Santiago Street

- Built: Early 1900s

- Style: Neoclassical

- Architect: Unknown

- Distance to APE: Adjacent

- Description: Fronting the plaza, this historic seat of local governance appears eligible for National Register listing under Criterion A, having strongly conveyed heritage for over a century of use.

E. Matías González Street, Storage Building (Private)

- Location: Matías Gonzalez Street

- Built: Early 1900s

- Style: Vernacular

- Architect: Unknown

- Distance to APE: 0.02 miles

- Description: Despite alterations, this utilitarian building contributes to conveying the area's economic history.

F. Matías González Street, Historic Spanish Revival Style School (Institutional)

- Location: Matías González Street

- Built: Early 1900s

- Style: Spanish Revival

- Architect: Unknown

- Distance to APE: 0.04 miles

- Description: Its educational use over time illustrates local institutional continuity. It retains sufficient integrity as a contributing structure.

G. Matías González Street, Historic Creole Style Duplex, c. 1912 (Residence)

- Location: Matías González Street

- Built: c. 1912

- Style: Creole

- Architect: Unknown

- Distance to APE: 0.04 miles

- Description: This early 20th-century duplex residence contributes to the architectural variety within the surrounding historic district.

H. Angel C. Morales Street, Storage Building (Private)

- Location: Angel C. Morales Street

- Built: Early 1900s

- Style: Vernacular

- Architect: Unknown

- Distance to APE: 0.05 miles

- Description: This utilitarian building represents the area's economic history, retaining integrity as a contributing structure.

I. Angel C. Morales Street, Creole Style Building, c. 1945 (Private)

- Location: Angel C. Morales Street

- Built: c. 1945

- Style: Creole

- Architect: Unknown

- Distance to APE: 0.05 miles

- Description: Although expanded, this Creole-style building contributes to the architectural diversity in the vicinity of the plaza.

J. Lago Street, Historic Residence (Private)

- Location: Lago Street

- Built: Early 1900s

- Style: Unknown

- Architect: Unknown

- Distance to APE: 0.04 miles

- Description: This residence, located on Lago Street, was built in the early 1900s. Its architectural style is unknown, but it contributes to the variety of buildings within the surrounding historic district.

The buildings within the visual Area of Potential Effect consist of a diverse mix of structures bordering the pedestrian pathways. These neighboring properties encompass commercial buildings, residences, monuments, office spaces, museums, San Jose church, and parking facilities. They range from well-preserved historic buildings to modern new construction, representing both contributing and non-contributing resources to the proposed historic district's character.

Architectural Design:

Architecturally, the Plaza showcases a visionary design that harmoniously blends curvilinear edges at its corners with rectilinear elements at its core. Notably, the circular forms at the exterior corners not only contribute to the aesthetic appeal but also serve a functional purpose by delineating parking areas, bordered by the outer walls of surrounding gardens. Meanwhile, the inner section of the Plaza accommodates sidewalks and ramps, strategically designed to facilitate smooth movement for both pedestrians and vehicles.

This thoughtful arrangement extends beyond the Plaza itself, impacting the adjacent areas undergoing sidewalk improvements. The interconnected sidewalks play a pivotal role in seamlessly connecting the Plaza to its urban surroundings. Now, let's delve into the specific details of the parking layout and green spaces, highlighting the transformative impact of these architectural considerations on the overall urban environment.

Historical Significance of Gurabo Traditional Urban Center:

In the immediate vicinity, numerous buildings have undergone adaptations and modifications which risk their historical eligibility to suit modern functionalities. Nonetheless,

the Gurabo Traditional Urban Center adheres to a traditional colonial urban layout and qualifies for potential inclusion in the National Register of Historic Places. This district is characterized by an arrangement where multiple blocks radiate around the Plaza de los Proceres, which serves as the heart of the town. In this architectural tapestry, the Plaza and its encompassing sidewalks play a pivotal role in preserving the historical and cultural identity of the area.

Parking Layout and Green Spaces:

Parking spaces are strategically positioned along the edges of the Plaza, facing the adjoining streets, offering convenient accessibility. This layout ensures that the central expanse of the Plaza remains unobstructed, forming a rectangular space. Embracing this central zone, eight gardens grace the periphery, encircling an open main area adorned with the town's emblem. These verdant gardens introduce natural elements and aesthetic beauty, creating tranquil zones for relaxation and contemplation.

Historical and Contemporary Fusion:

The interplay between the circular forms at the corners and the rectilinear central space generates a visually captivating dynamic. This design optimally utilizes space by integrating parking zones, fostering community interaction and engagement. The fusion of historical charm with modern functionality is exemplified by the inclusion of the Church of San Jose of Gurabo, a historic site listed under the National Register of Historic Places on September 18, 1984. This church is across from the recreation plaza, between Santiago Norte Street and Eugenio Sánchez López Street. This juxtaposition of historical and contemporary facets underscores the vibrancy and character of the local community, all harmoniously anchored within a traditional colonial layout framework, where multiple blocks converge around the Plaza de los Proceres.

Architectural Significance of Plaza de los Próceres and the surroundings via sidewalks:

The Plaza de los Próceres in Gurabo embodies architectural significance, a result of the interconnected plaza and sidewalk rehabilitation projects. This colonial Spanish urban square boasts a distinct open rectangular layout, strategically framed by buildings, streets, and linear

sidewalks, seamlessly connecting the plaza to the surrounding urban fabric, including those of the other eight blocks enveloping the central plaza project.

Proposed Rehabilitation:

The proposed rehabilitation aims to revitalize the enduring cultural heritage of this public forum by improving accessibility and amenities while respecting its legacy as the heart of Gurabo's historic district. The vision is to catalyze an engaging landscape that draws together the community within a thoughtfully designed environment exuding historical charm.

Determination

The following historic properties have been identified within the APE:

Direct APE

1. Traditional Main Square Plaza (Plaza los Próceres)
2. Sidewalks of the Gurabo Traditional Urban Center

Indirect APE

1. Gurabo Traditional Urban Center
2. Eugenio López Street, Masonic Lodge
3. San José Catholic Church
4. Santiago Street, Historic City Hall
5. Matías González Street, Storage Building
6. Matías González Street, Historic Spanish Revival Style School
7. Matías González Street, Historic Creole Style Duplex Residence
8. Angel C. Morales Street, Storage Building
9. Angel C. Morales Street, Creole Style Building
10. Lago Street, Historic Residence

- Direct Effect:
    - For direct effects, the proposed project will directly impact the Plaza de los Próceres and surrounding sidewalks, which are within the defined direct APE as Gurabo's traditional urban square and urban center sidewalks. Archaeological monitoring is recommended during construction to ensure preservation of any

resources uncovered during demolitions, excavations, and any alterations to the soil. Furthermore, it is recommended that any improvement activities conducted in the plaza and sidewalks refrain from using heavy machinery. Instead, use light machinery or hand tools that pose no risk of damaging cultural resources beneath the surface layer of the historic properties. The assessment of visual impact on the Urban Center indicates that the project is designed to maintain visual harmony with the surrounding historic urban fabric by incorporating design elements consistent with the existing historic character and preserving original entrances to the plaza, adhering to the Secretary of Interior's Standards for Treatment of Historic Properties.

- Indirect Effect:
    - For indirect effects, the project has potential indirect effects on other documented historic properties neighboring both projects' direct APE, such as the San José Church anchoring the plaza's north edge and the original Municipal Hall building adjacent to the southwest. These indirect effects could include noise, vibrations, or temporary changes in access or traffic patterns during construction.

Based on the findings of our historic property identification efforts, we have concluded that the proposed project actions will not have any adverse effects on the historic properties within the Area of Potential Effect.

Regarding the plaza, it has been determined that the historic function of the space will remain unchanged, and the proposed design does not alter its original footprint or obstruct views of the surrounding buildings. The introduction of architectural elements such as gazebos maintains the permeability of the space and does not interfere with sightlines. Additionally, the elimination of stairs and introduction of ramps does not disrupt circulation patterns. The design ensures that the plaza will continue to serve its traditional function as a space for passive recreation and social exchange, preserving its significance as a center of activity within the NRHP-eligible district.

Similarly, the proposed design for the sidewalks does not modify the physical structure of the urban grid or impact travel through the NRHP-eligible district visually. Preservation measures have been integrated to maintain the form and integrity of the historic resources, preserving the essential elements that define the urban center of Gurabo. This adherence to the Secretary of the Interior's Standards for the

treatment of historic properties underscores our commitment to conserving Gurabo's heritage.

However, acknowledging the archaeological potential of the project area, particularly the traditional urban center, archaeological monitoring during construction is recommended. This measure ensures the preservation of any archaeological resources that may be uncovered during the project, further safeguarding the historical integrity of the site.

Recommendation

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

☐ No Historic Properties Affected

☒ No Adverse Effect

Condition: To ensure Preservation, construction activities related to the project, including the Plaza and the surrounding streets of the urban center, are recommended to undergo archaeological monitoring including all demolitions, excavations, and ground disturbing activities. Furthermore, it is recommended that any improvement activities carried out in the plaza be done with light machinery, or alternatively, use hand tools that do not pose a risk of damaging the cultural resources beneath the surface layer of historic properties. An archaeological monitoring plan has been prepared and included in this submission for review and concurrence.

☐ 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:

Subrecipient: Municipality of Gurabo, Puerto Rico

Project Name: "Rehabilitación de la Plaza de los Próceres de Gurabo" (PR-CRP-000549) and "Remodelación de aceras alrededor de la Plaza de los Próceres de Gurabo" (PR-CRP-000559)

Project Number: PR-CRP-000549 and PR-CRP-000559

Project (Parcel) Location – Area of Potential Effect Map (Aerial)

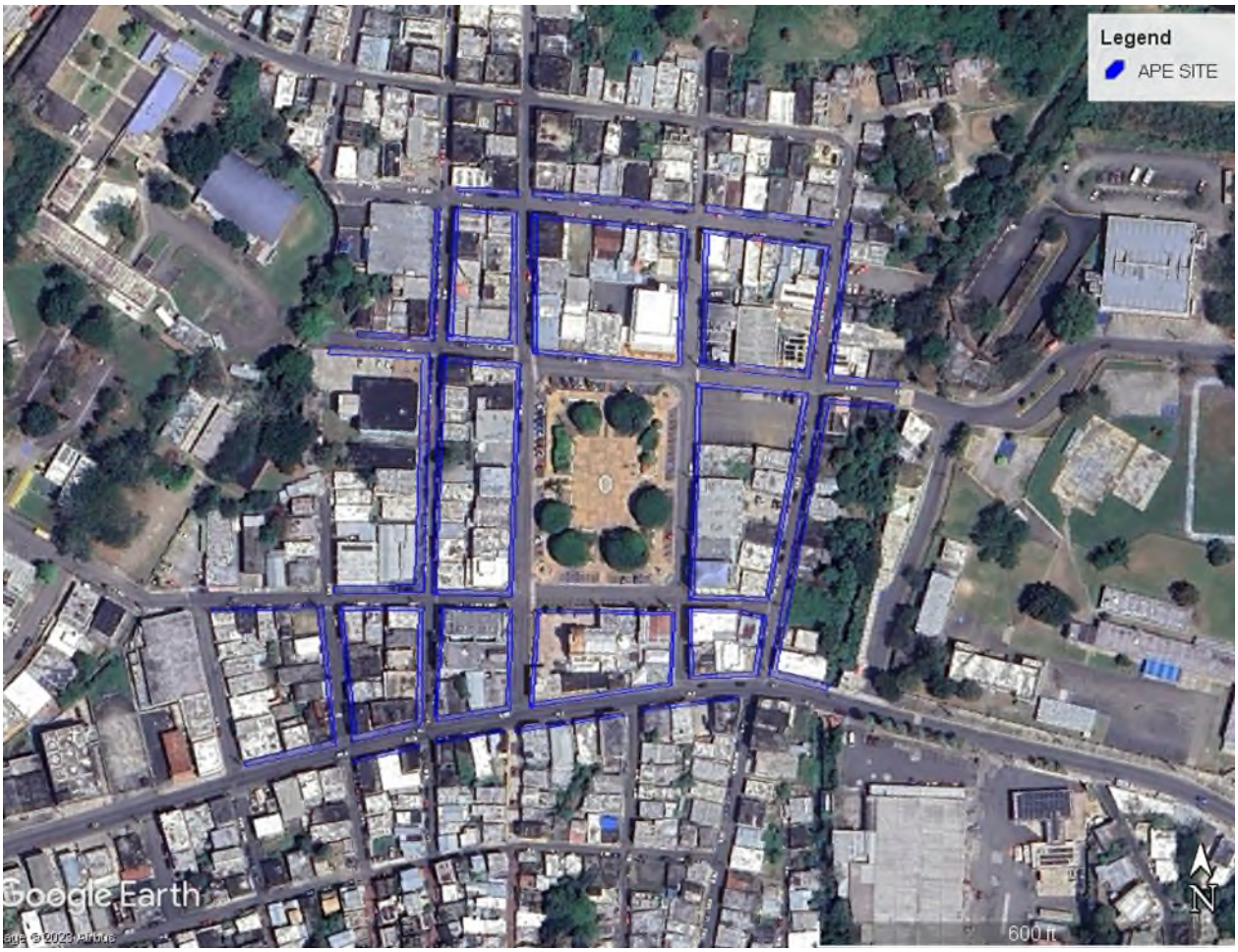


LEGEND

A. APE SITE: TRADITIONAL URBAN SQUARE
B. APE VISUAL EFFECT PERIMETER

Reference from Google Earth 2023

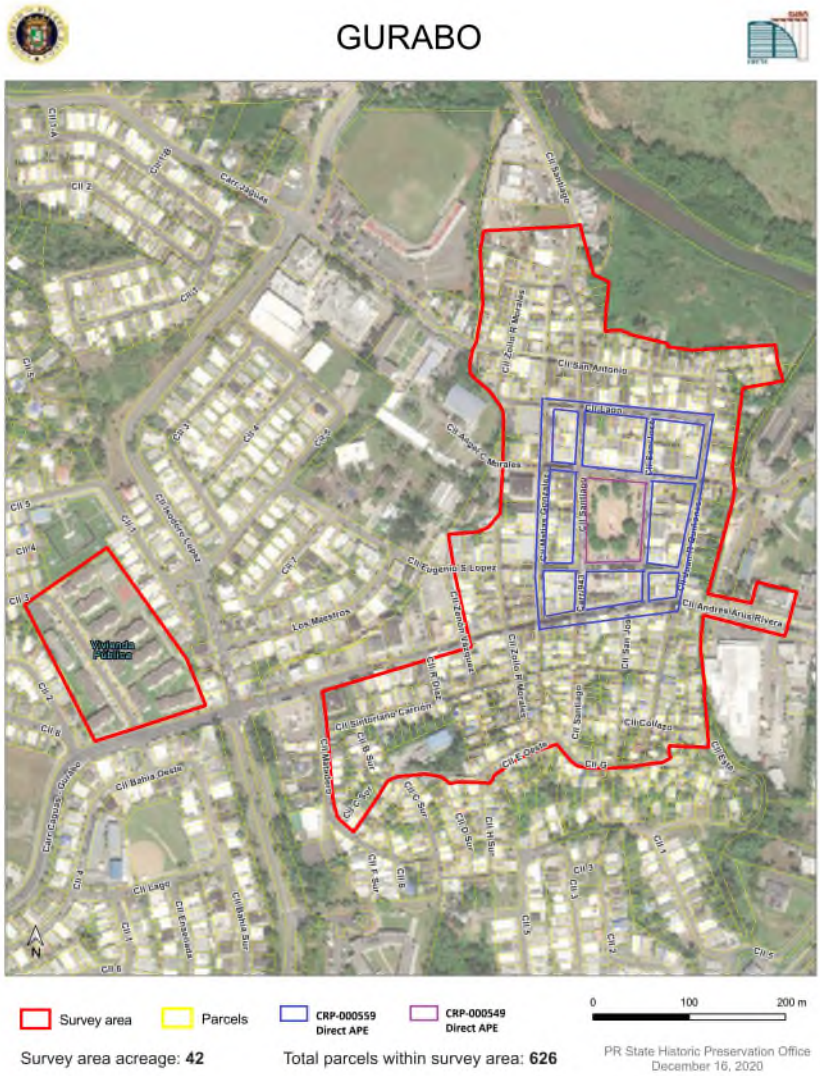
Project (Parcel) Location – Aerial Map



APE Site: Traditional Urban Square Gurabo and Sidewalks, Puerto Rico

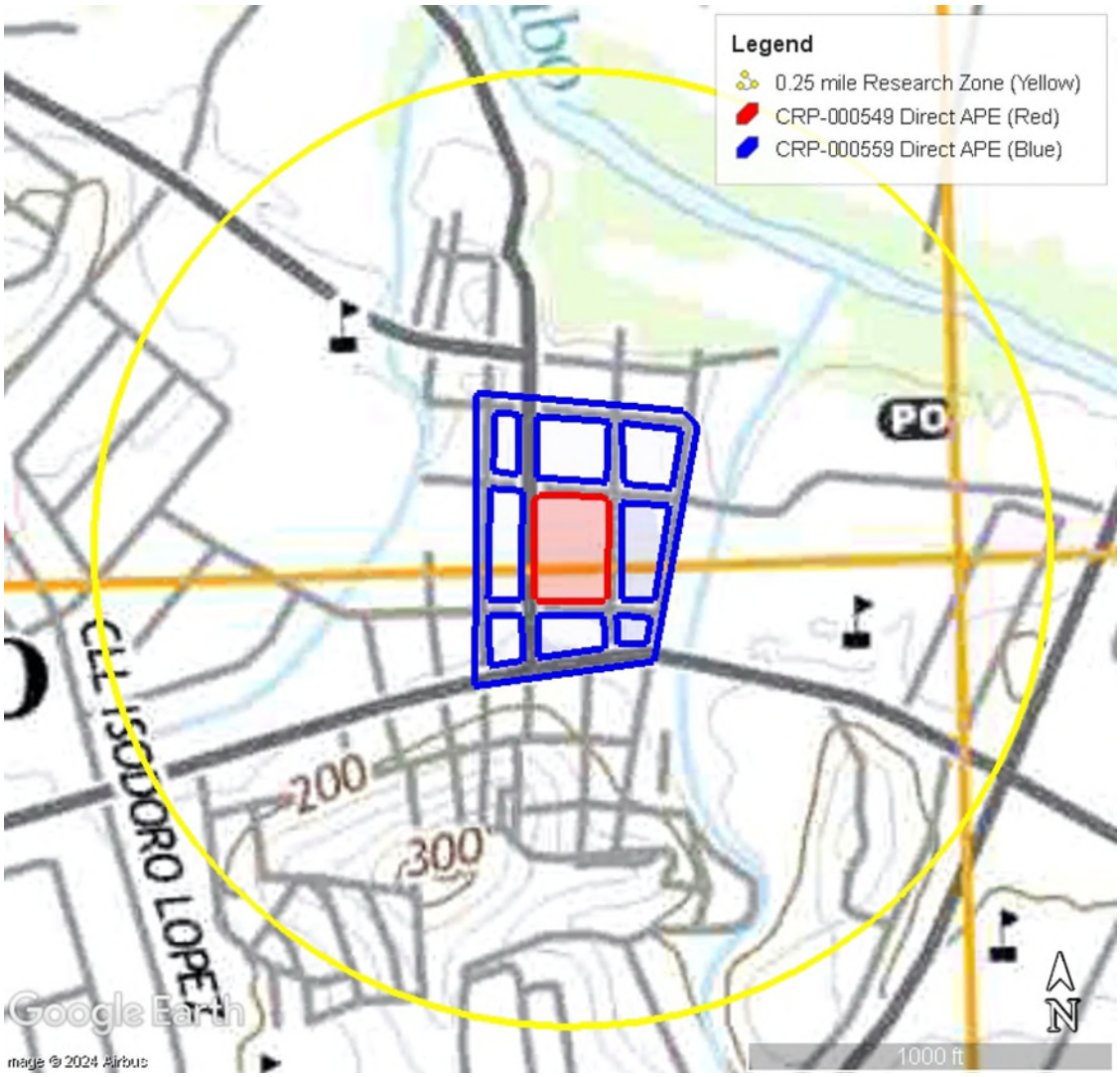
Reference from Google Earth 2023

Project (Parcel) Location – Gurabo Traditional Urban Center Boundaries



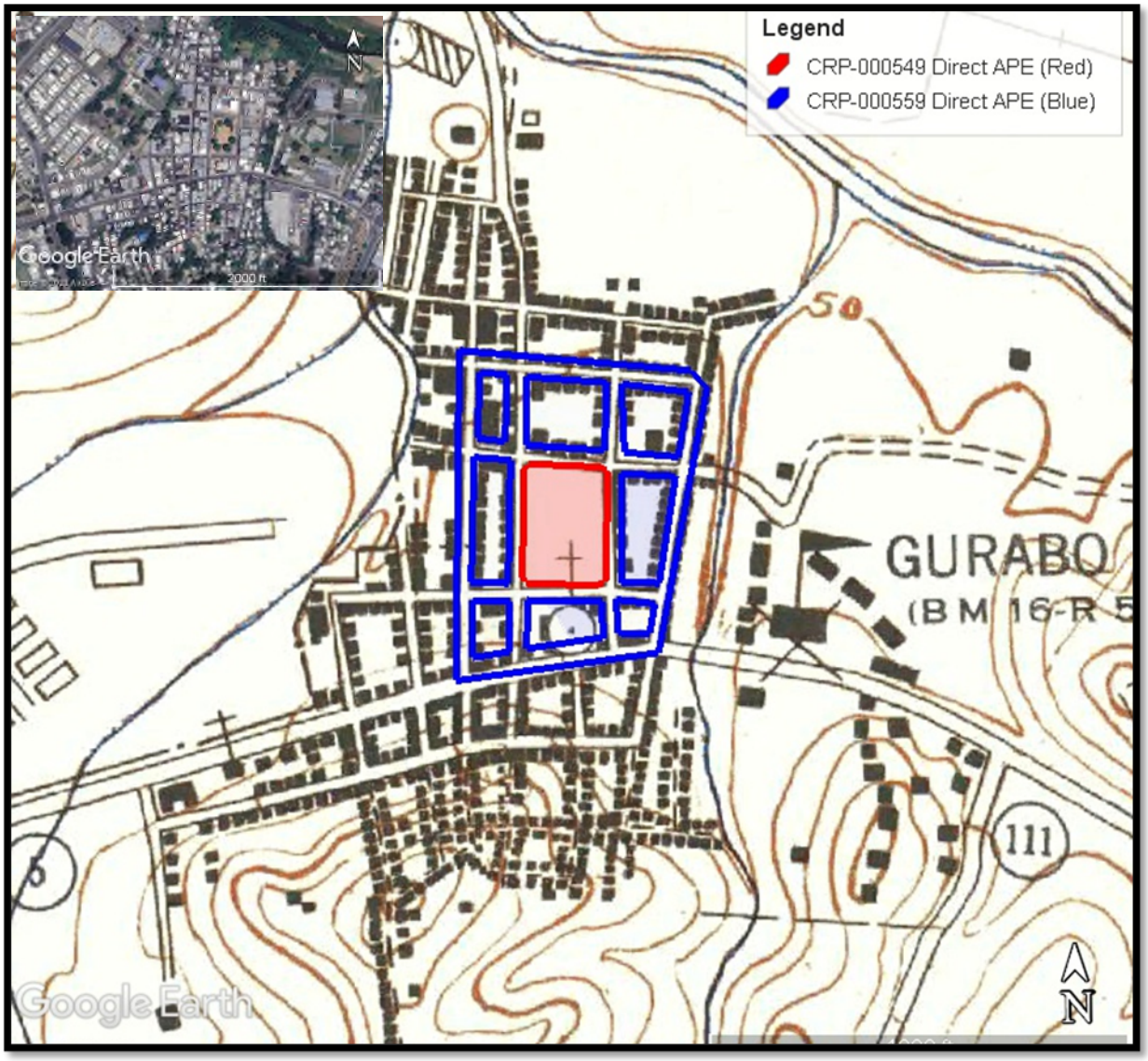
Gurabo Traditional Urban Center boundaries

Aeria of Indirect Potential Effect Map – 2018 Topographic Map



2018 USGS Topographic Map sourced from ngmdb.usgs.gov/topoview

Project (Parcel) Location - USGS HISTORICAL Topographic Map



Ape Site - Gurabo, Puerto Rico 1947, USGS Topographic Map

Reference From USGS Historical Topographic Map Explorer

Subrecipient: Municipality of Gurabo, Puerto Rico

Project Name: "Rehabilitación de la Plaza de los Próceres de Gurabo" (PR-CRP-000549) and "Remodelación de aceras alrededor de la Plaza de los Próceres de Gurabo" (PR-CRP-000559)

Project Number: PR-CRP-000549 and PR-CRP-000559

Project (Parcel) Location – Soils Map



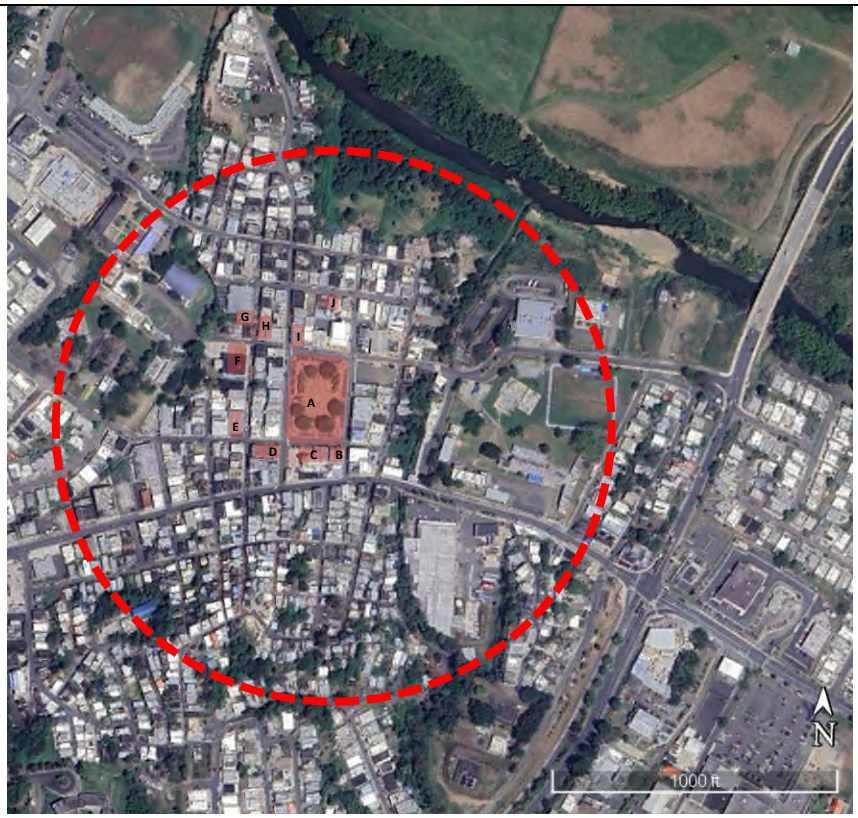
Description: The above image was sourced from ESRI arcgis.com and Google Earth.

Subrecipient: Municipality of Gurabo, Puerto Rico

Project Name: "Rehabilitación de la Plaza de los Próceres de Gurabo" (PR-CRP-000549) and "Remodelación de aceras alrededor de la Plaza de los Próceres de Gurabo" (PR-CRP-000559)

Project Number: PR-CRP-000549 and PR-CRP-000559

Project Location with Historic Properties within 1/4mile radius of the APE

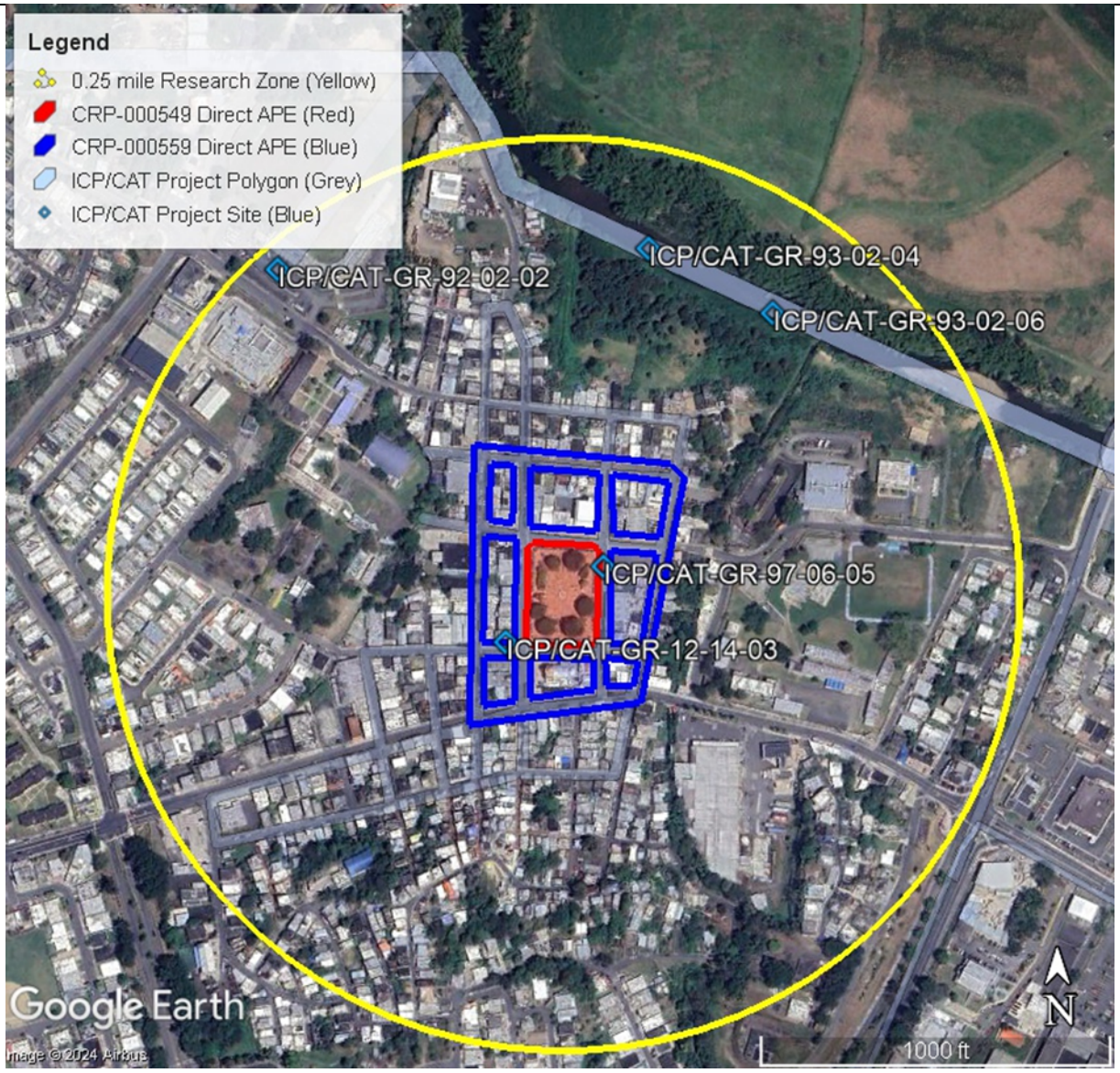


LEGEND OF HISTORIC PROPERTIES

A. Project Site, Traditional Main Square, and sidewalks, (Ape)
a) North: Angel C. Morales Street
b) South: Eugenio S. López Street
c) East: San José Street
d) West: Santiago Street
B. Eugenio López Street, Mason Lodge, (Institutional)
C. Santiago Street, Catholic Church, (Institutional)
D. Santiago Street, Historic City Hall, (Institutional)
E. Matías González Street, Storage Building (Private)
F. Matías González Street, Historic Spanish Revival Style School, (Institutional)
G. Matías González Street, Historic Creole Style duplex, C. 1912, (Residence)
H. Angel C. Morales Street, Storage Building (Private)
I. Angel C. Morales Street, Creole Style Building, C. 1945, (Private)
J. Lago Street, Historic Roof Residence, (Private)

Reference from Google Earth 2023

Project (Parcel) Location with Previous Investigations - Aerial Map (Archaeology)



Description: The image above showcases all previous archaeological studies.

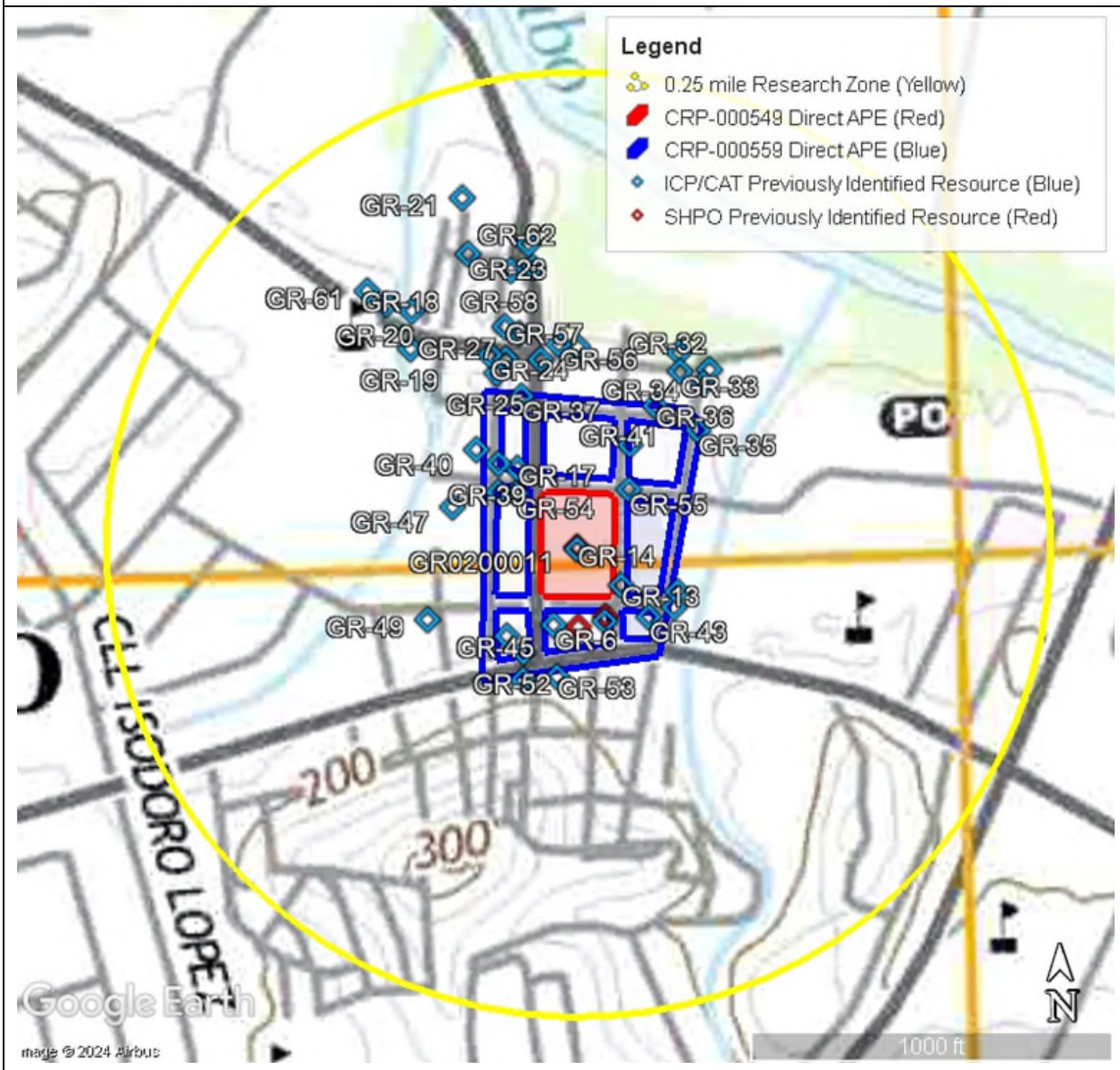
Subrecipient: Municipality of Gurabo, Puerto Rico

Project Name: "Rehabilitación de la Plaza de los Próceres de Gurabo" (PR-CRP-000549) and "Remodelación de aceras alrededor de la Plaza de los Próceres de Gurabo" (PR-CRP-000559)

Project Number: PR-CRP-000549 and PR-CRP-000559

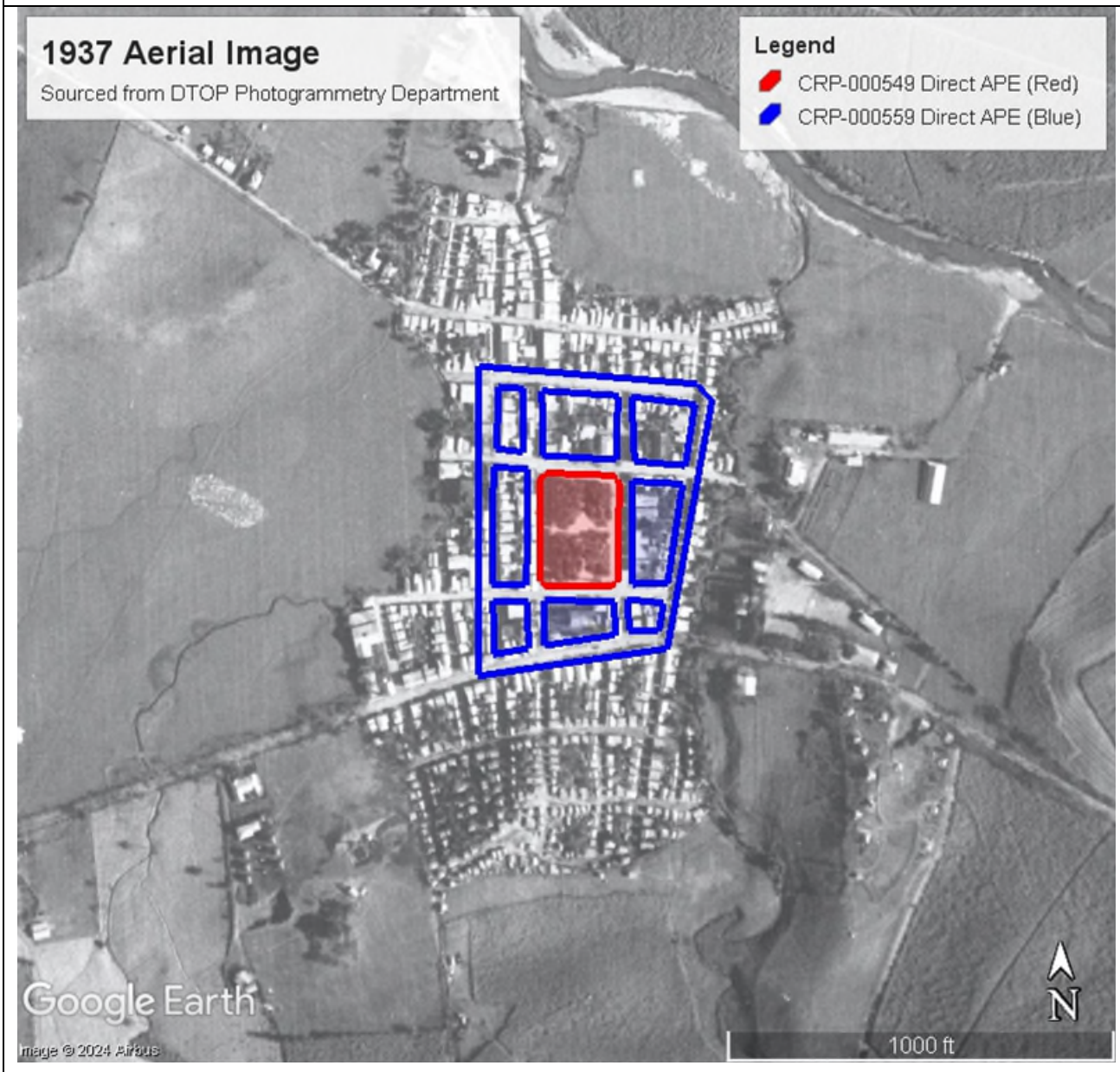
Project (Parcel) Location with Previously Recorded Cultural Resources

USGS Topographic Map



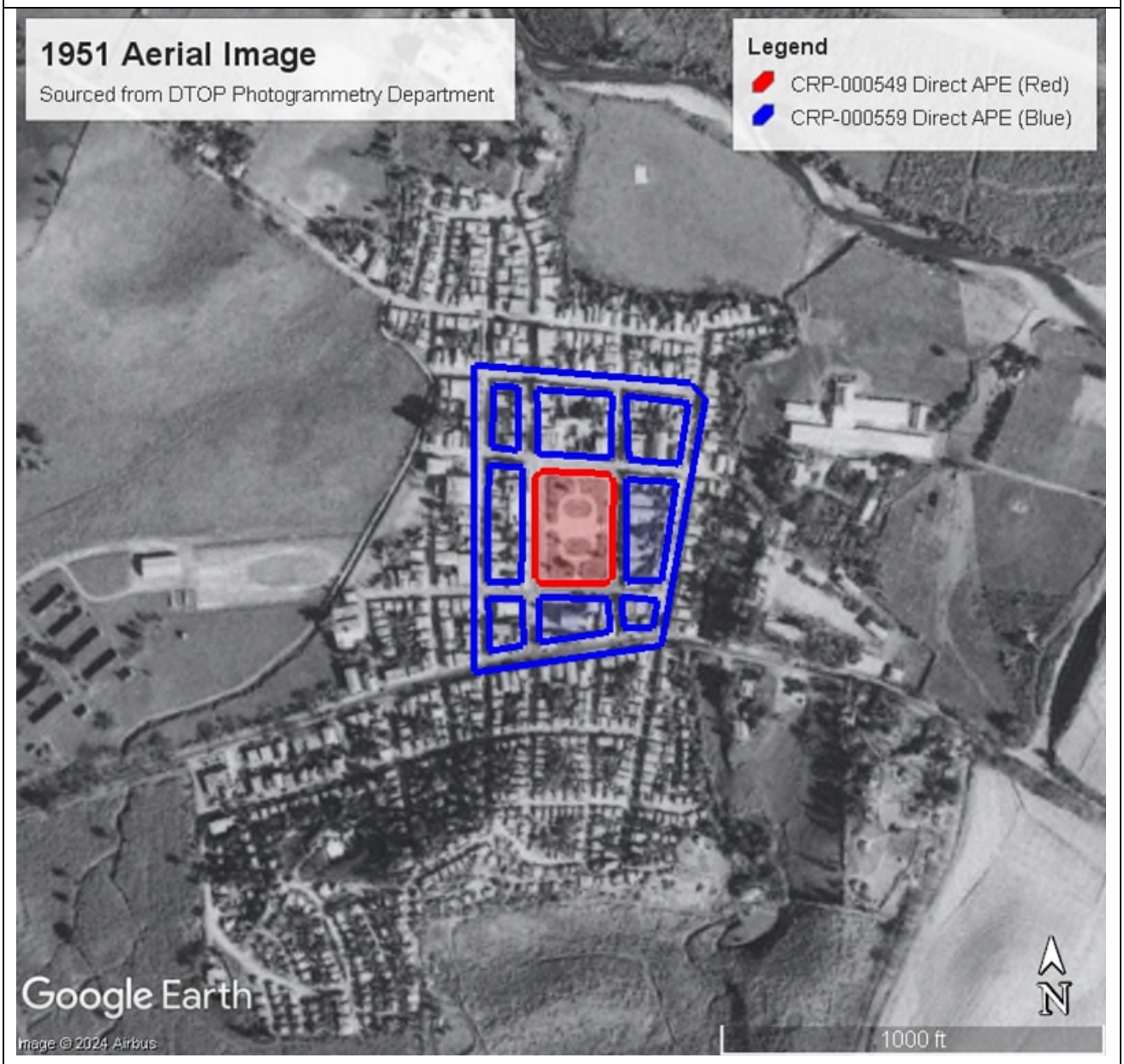
Description: The image above showcases all previously recorded cultural resources identified at the ICP/CAT and SHPO, overlayed on a USGS 2018 Topographic map of the region.

Project (Parcel) Location – 1937 Aerial Image



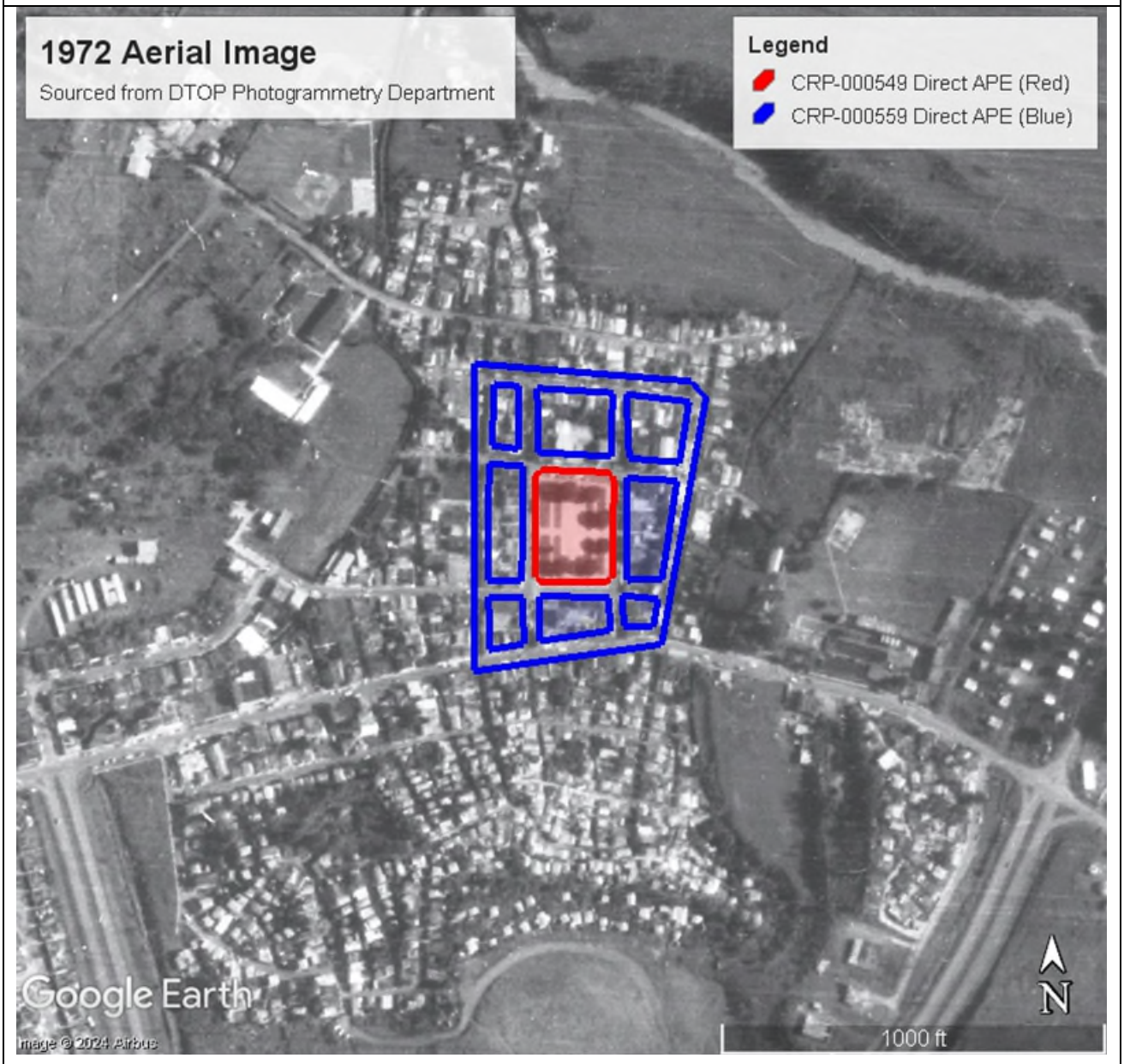
Description: 1937 Aerial Image with both Direct APE outlines overlayed.

Project (Parcel) Location – 1951 Aerial Image



Description: 1951 Aerial Image with both Direct APE outlines overlayed.

Project (Parcel) Location – 1972 Aerial Image



Description: 1972 Aerial Image with both Direct APE outlines overlayed.

The town of Gurabo. Drawing by Augusto Pleé from 1821

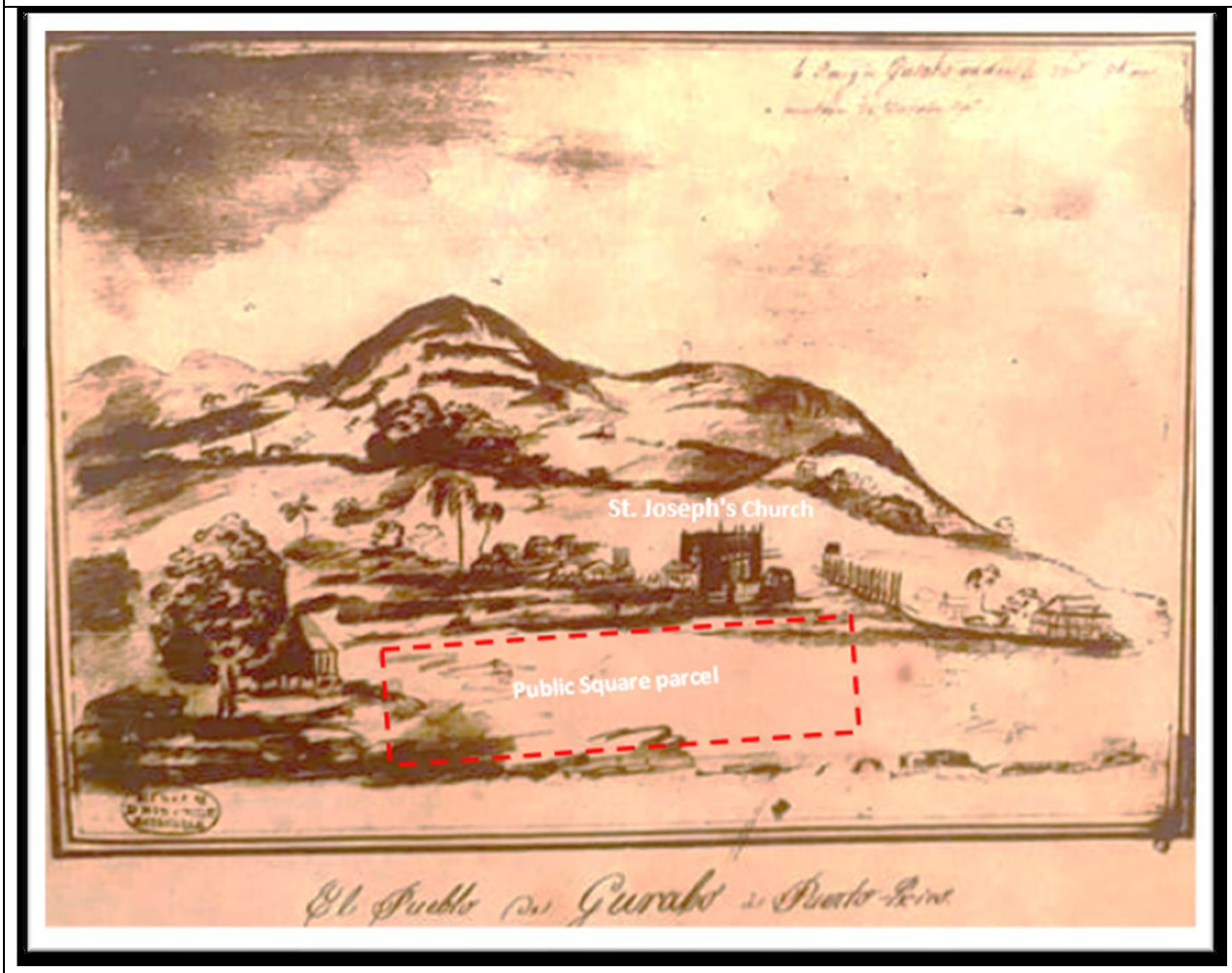


Image sourced from: Sepúlveda Rivera, Aníbal, Puerto Rico Urbano, San Juan: CARIMAR, Vol. I, 2004. Page 94

Map of the Town of Gurabo in 1815

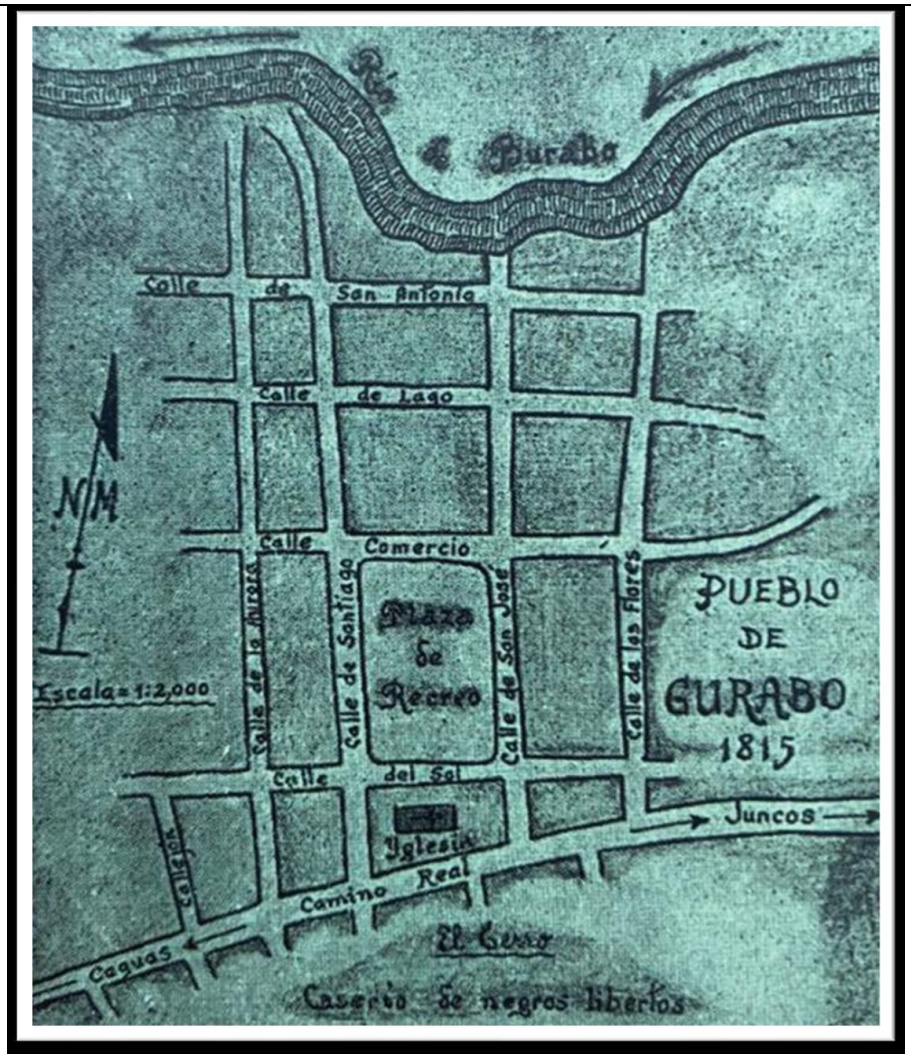
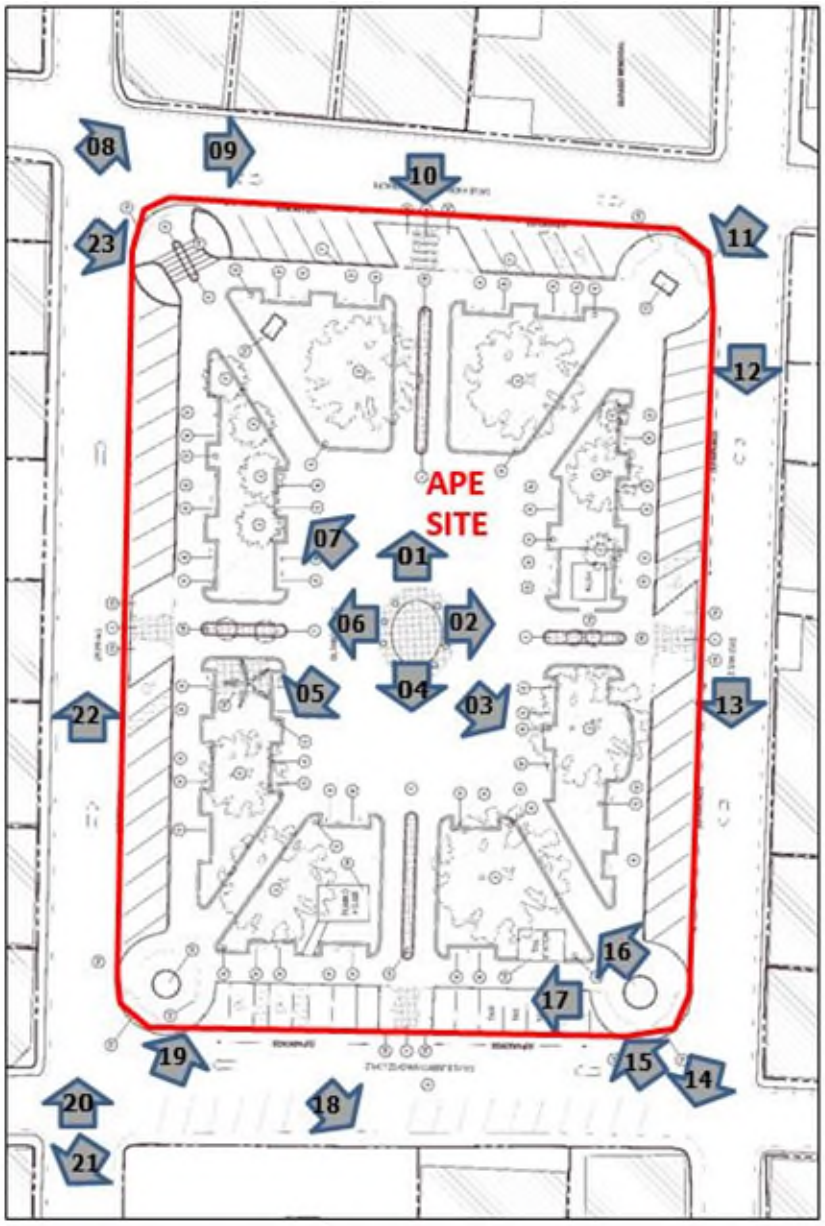


Image sourced from: Grau, Eloísa, Presencia y esencia cultural, Gurabo, Granada: Bodonia, S.L. 2004. Page 64.

Photograph Key



Photograph Key

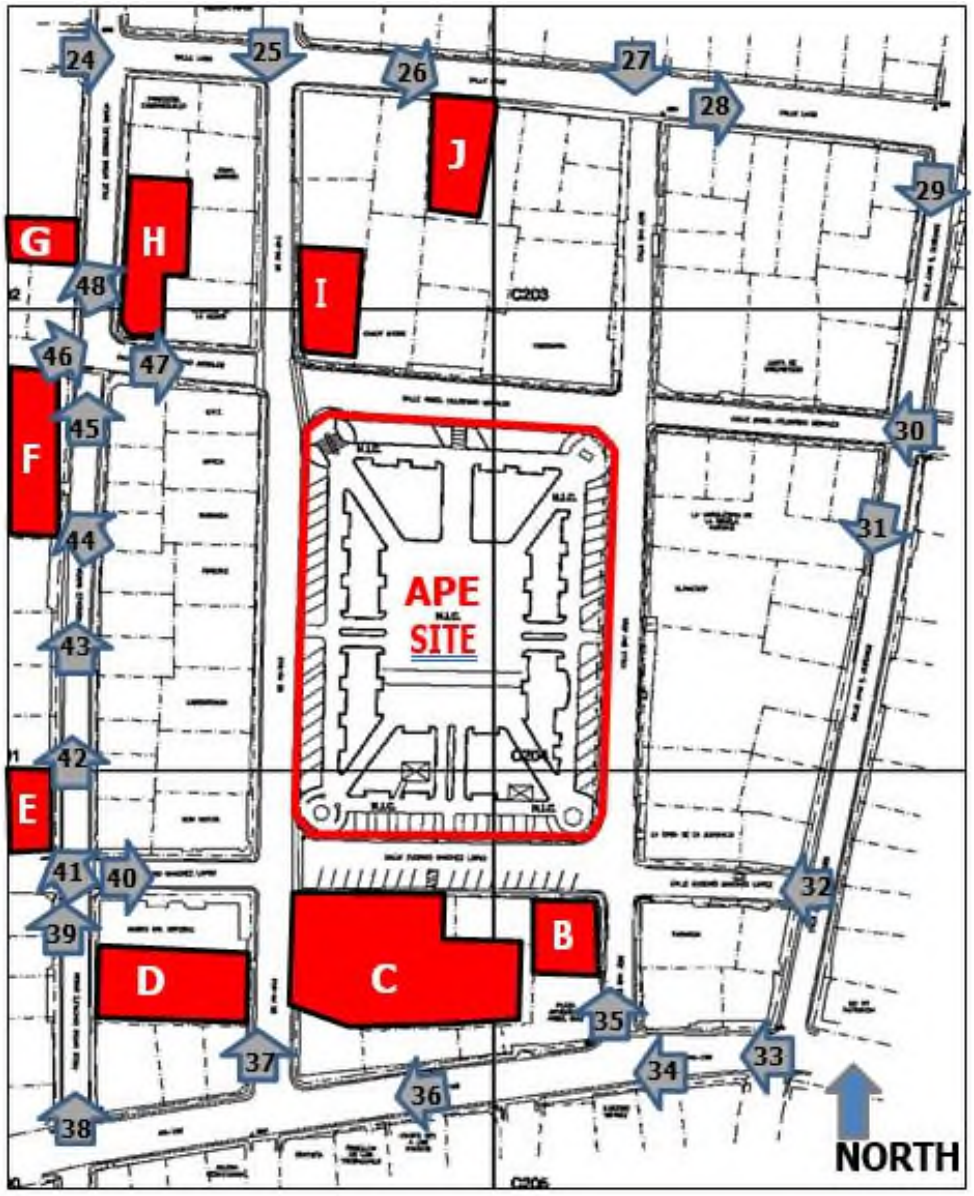




Photo #: 01	**North view, Center of TraditionalUrban Square.**
Date: 04/11/23	



Photo #: 02	**East view, Center of Traditional UrbanSquare.**
Date: 04/11/23	



Photo #: 03	**South-East view, Center of TraditionalUrban Square.**
Date: 04/11/23	



Photo #: 04	**South view. Center of TraditionalUrban Square.**
Date: 04/11/23	



Photo #: 05	**South-West view, Center of TraditionalUrban Square.**
Date: 04/11/23	



Photo #: 06	**West view, Center of Traditional UrbanSquare.**
Date: 04/11/23	



Photo #: 07	**West-North view, Center of TraditionalUrban Square.**
Date: 04/11/23	

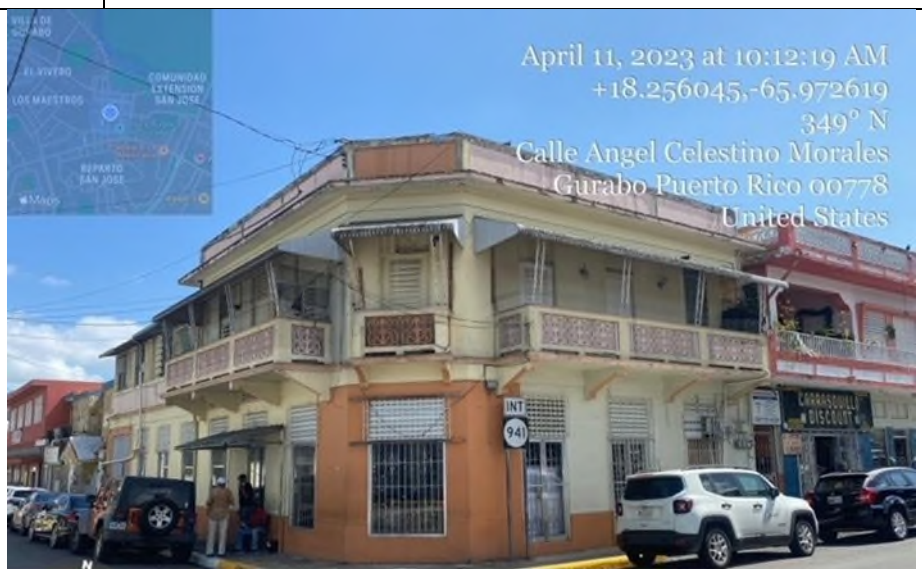


Photo #: 08	**North-East view, Angel CelestinoMorales Street. (I), Creole Style Property, c.1945.**
Date: 04/11/23	



Photo #: 09	**East view, Angel Celestino MoralesStreet.**
Date: 04/11/23	



Photo #: 10	**South view towards Traditional UrbanSquare from Angel Celestino Morales Street.**
Date: 04/11/23	



Photo #: 11	**South-West view towards Traditional Urban Square North-East corner from Angel Celestino Morales Street.**
Date: 04/11/23	



Photo #: 12	**San José Street, South view.**
Date: 04/11/23	



Photo #: 13	**South view, San José Street.**
Date: 04/11/23	



Photo #: 14	**South view, (B), Mason Lodge onEugenio Sanchez López Street**
Date: 04/11/23	

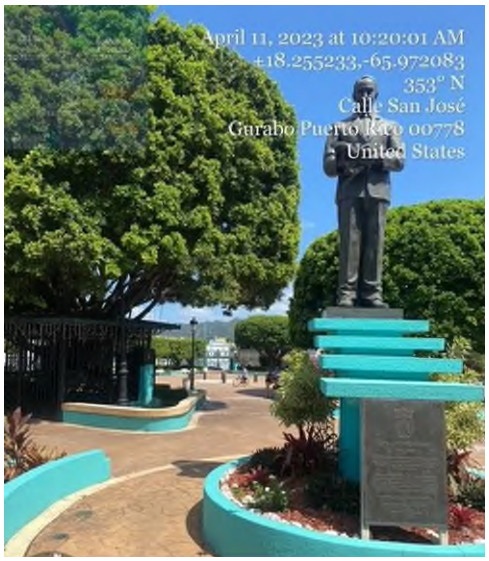


Photo #: 15	**North-West view, San José Street,Traditional Urban Square South-East corner.**
Date: 04/11/23	



Photo #: 16	**North view, Eugenio Sanchez LópezStreet towards Traditional Urban Square.**
Date: 04/11/23	



Photo #: 17	**West view, Eugenio Sanchez LópezStreet.**
Date: 04/11/23	



Photo #: 18	**South view, Eugenio López Street. (C),San José Catholic Church.**
Date: 04/11/23	



Photo #: 19	**South-West view, Eugenio LópezStreet towards Traditional Square North-East corner.**
Date: 04/11/23	



Photo #: 20	**North view, Santiago Street.**
Date: 04/11/23	



Photo #: 21	**South-West view, Santiago Street. (D),Historic City Hall Building.**
Date: 04/11/23	



Photo #: 22	**North view, Santiago Street.**
Date: 04/11/23	



Photo #: 23	**South-East view, Santiago Street,Traditional Square North-West corner.**
Date: 04/11/23	



Photo #: 24	**East view, Lago Street.**
Date: 04/11/23	



Photo #: 25	**South view. Corner of Santiago Streetand Lago Street.**
Date: 04/11/23	



Photo #: 26	**South view. Lago Street. (J) HistoricGabled Roof Residence**
Date: 04/11/23	



Photo #: 27	**South view. San José Street andcorner of Lago Street**
Date: 04/11/23	



Photo #: 28	**East view. Lago Street.**
Date: 04/11/23	



Photo #: 29	**South view. Juan R. Quiñones Street**
Date: 04/11/23	



Photo #: 30	**West view. Angel C. Morales Street.**
Date: 04/11/23	



Photo #: 31	**South view. Juan R. Quiñones Street.**
Date: 04/11/23	



Photo #: 32	**West view. Eugenio S. López Street.**
Date: 04/11/23	



Photo #: 33	**West view. Andrés Arús Rivera Street**
Date: 04/11/23	

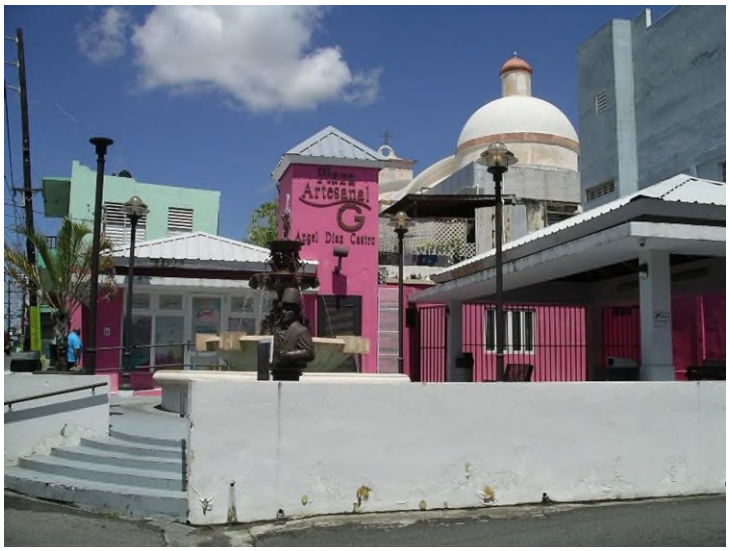


Photo #: 34	**West view. Andrés Arús Rivera Streetcorner of San José Street.**
Date: 04/11/23	



Photo #: 35	**South view. San José Street.**
Date: 04/11/23	



Photo #: 36	**West view. Andrés Arús Rivera Street.**
Date: 04/11/23	



Photo #: 37 **Date: 04/11/23**	**North view. Santiago Street andcorner of Andrés Arús Rivera Street**



Photo #: 38 **Date: 04/11/23**	**North view. Matias González Street.**



Photo #: 39	**North view. Matias González Street.**
Date: 04/11/23	



Photo #: 40	**East view. Eugenio S. López Street.**
Date: 04/11/23	



Photo #: 41	**North view. Matias González Street.**
Date: 04/11/23	



Photo #: 42	**North-West view. Matías GonzálezStreet. (E), Colonial Storage Style Property.**
Date: 04/11/23	



Photo #: 43	**North view. Matias González Street.**
Date: 04/11/23	



Photo #: 44	**North-West view. Matías GonzálezStreet. (F) Historic Spanish Revival Style School.**
Date: 04/11/23	



Photo #: 45	**North view. Matias González Street.**
Date: 04/11/23	



Photo #: 46	**North-East view. Matias González Street and corner of Angel C. Morales Street. (I), Colonial Storage Style Property.**
Date: 04/11/23	



Photo #: 47	**East view. Angel C. Morales Street.**
Date: 04/11/23	



Photo #: 48	**North- West view. Matias GonzálezStreet. (G), Historic Creole Style Duplex Residence, C. 1912.**
Date: 04/11/23	

Photo Key Historic Properties Identified within 1/4mile radius of the APE

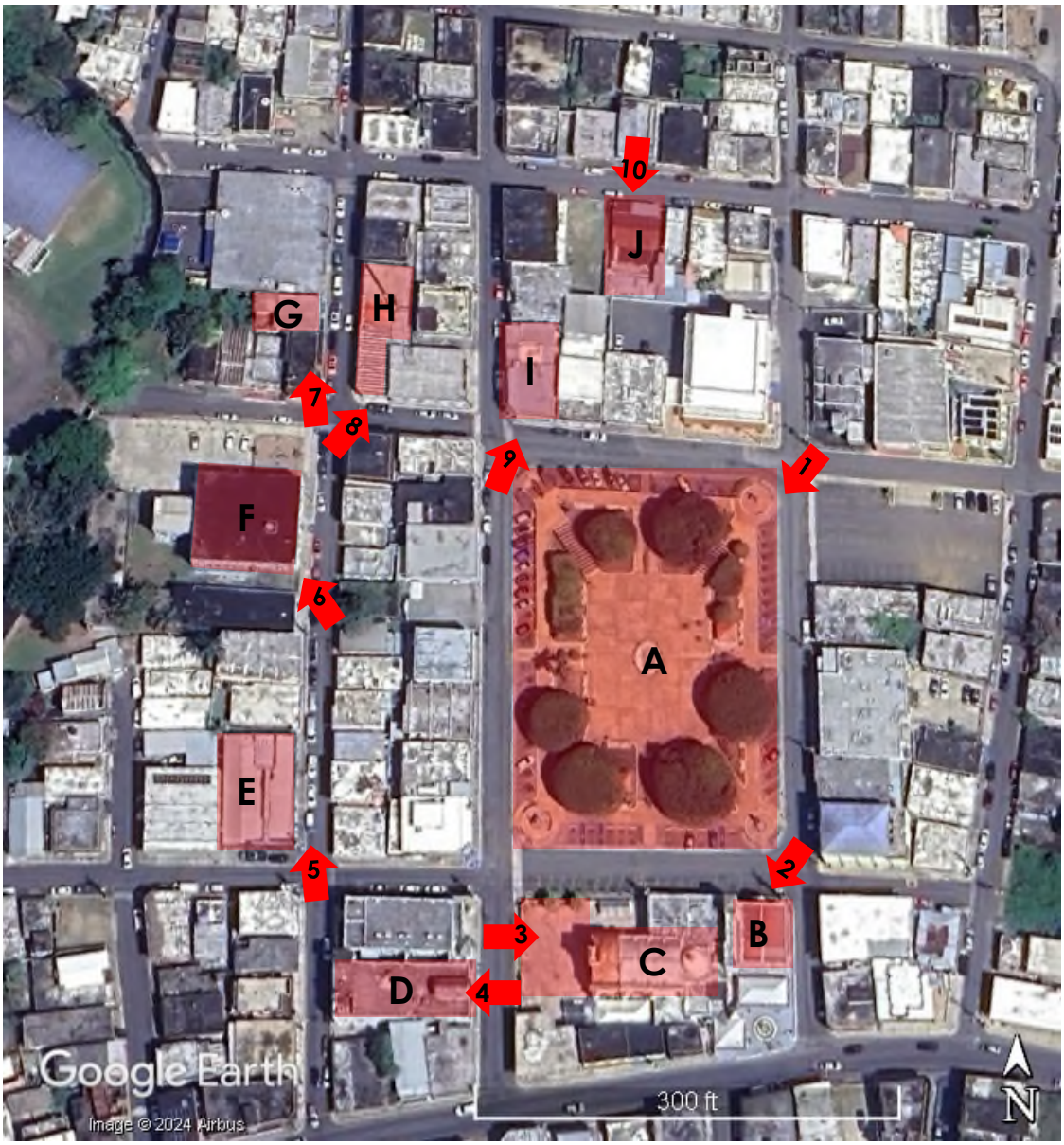




Photo #: 1	South-West view. Angel Celestino Morales Street. (A) Traditional Main Square, and sidewalks
Date: 04/22/24	



Photo #: 2	South View. Eugenio López Street. (B) Mason Lodge.
Date: 04/22/24	



Photo #: 3	East View. Santiago Street. (C) San José Catholic Church.
Date: 04/22/24	



Photo #: 4	West View. Santiago Street. (D) Historic City Hall.
Date: 04/22/24	



Photo #: 5	North-West view. Matías González Street. (E), Colonial Storage Style Property.
Date: 04/22/24	



Photo #: 6	North-West view. Matías González Street. (F) Historic Spanish Revival Style School.
Date: 04/22/24	

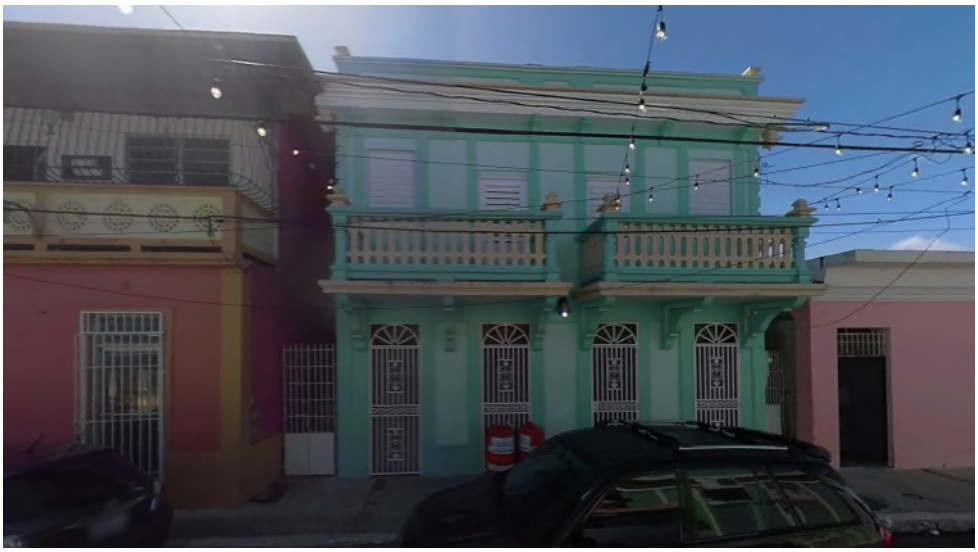


Photo #: 7	West View. Matías González Street. (G) Historic Creole Style duplex.
Date: 04/22/24	



Photo #: 8	North-East view. Matias González Street and corner of Angel C. Morales Street. (H), Colonial Storage Style Property.
Date: 04/22/24	



Photo #: 9	North-East View. Angel C. Morales Street. (I) Creole Style Building.
Date: 04/22/24	



Photo #: 10	South view. Lago Street. (J) Historic Gabled Roof Residence.
Date: 04/22/24	

ARCHAEOLOGICAL MONITORING PLAN

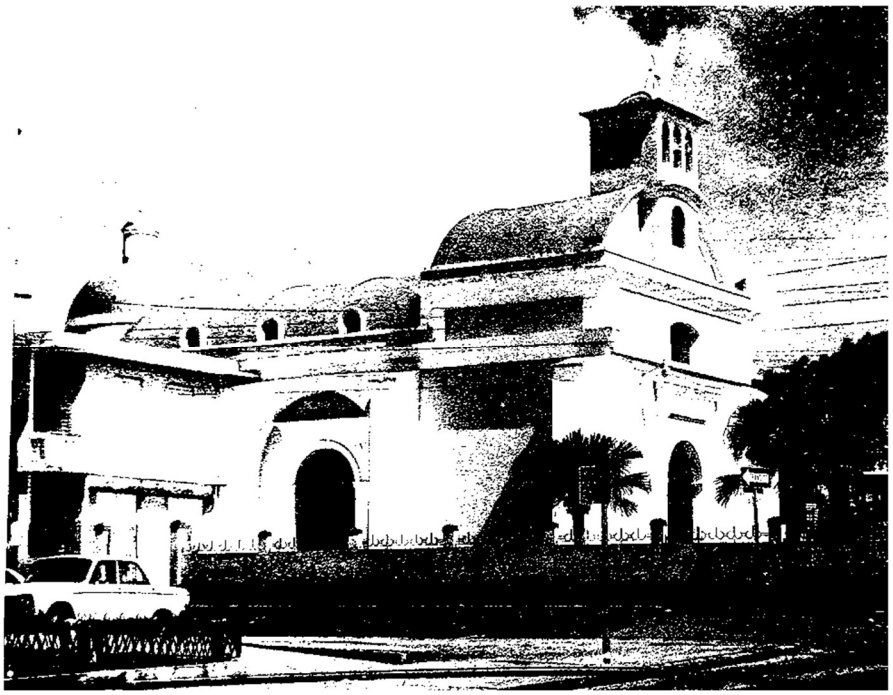
PRDOH CDBG-DR CRP Program

PR-CRP-000549 Revitalization of Gurabo Public Plaza and

2023 PR-CRP-000559 Sidewalk Improvements around "Plaza de los Proceres"

Gurabo, Puerto Rico

Archaeological Monitoring Plan



Prepared by:
Imandra Martínez
Archaeologist – **Plexos Group**
April, 2024

Incorporating the Archaeological Monitoring Work Plan Template developed by Archaeologist Sharon Meléndez Ortiz, HORNE PR,2023

I. PREAMBLE

The Municipality of Gurabo 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 María. The Puerto Rico Department of Housing (PRDOH) has established an Agreement between PRDOH and the Municipality of Gurabo for the City Revitalization Program as part of the Community Development Block Grant for Disaster Recovery (CDBG-DR) Program. The Municipality of Gurabo proposes to revitalize *Plaza de los Próceres* **(PR-CRP-000549)** (hereinafter the Plaza) and rehabilitate the sidewalks on the streets around the Plaza **(PR-CRP-000559)** and strategically recreate it as a resilience area for the community, preserving the historic development of the space and of the Municipality of Gurabo. The transformation of the Municipal Town Square requires removing existing infrastructure that no longer aligns with the project's vision. This includes demolishing sidewalks, curbs, pavement, and primary streets surrounding *Plaza de los Próceres*. Existing elements that hinder the project's objectives will be removed to make way for the revitalized public space. This includes demolishing existing sidewalks, curbs, and gutters extending from Calle Lago to PR-189 and from Calle Matías González to Calle Juan R Quiñones. Additionally, the project involves partially widening sidewalks to adhere to ADA accessibility standards. Alongside this, installing new handicapped ramps, signage improvements, and pedestrian crossing markings will further enhance the overall accessibility and safety of the area.

For Project **PR-CRP-000549 (Plaza improvements)**, the direct APE encompasses the *Plaza de los Próceres*, measuring approximately 277 feet north to south and 200 feet east to west from the center of the plaza. It is bordered by Calle Lago to the north, Calle Juan R. Quiñones to the south, Calle San José to the east, and Calle Santiago to the west based on the scope of work. Nearby buildings include the San José Church and Municipal Hall. The complete project area encompassing both the plaza and sidewalks covers approximately 8.5991 acres or 0.034799 square kilometers based on the official project details. The visual APE pertains to the viewshed of the proposed projects, which is the streets and buildings adjacent to the plaza, which are comprised of 0.10 mile east to west and 0.12 miles north to south, counting streets and attached urban blocks. For Project **PR-CRP-000559 (Sidewalks improvements)**, the direct APE encompasses the sidewalks within Próceres Public Plaza in Gurabo, Puerto Rico, bordered by Calle Lago, PR-189, Calle Matías González, and Calle Juan R. Quiñones based on the scope of work.

The objectives of this archaeological monitoring plan are: (1) to establish measures to prevent indirect adverse effects to 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, who meets the Professional Qualifications Standards set forth in 36 CFR Part 61.

Figure 1. PR-CRP-000549 (Plaza improvements). Project Location, 1943 topographic map. Source: Unite State Department of the Interior, Geological Survey.

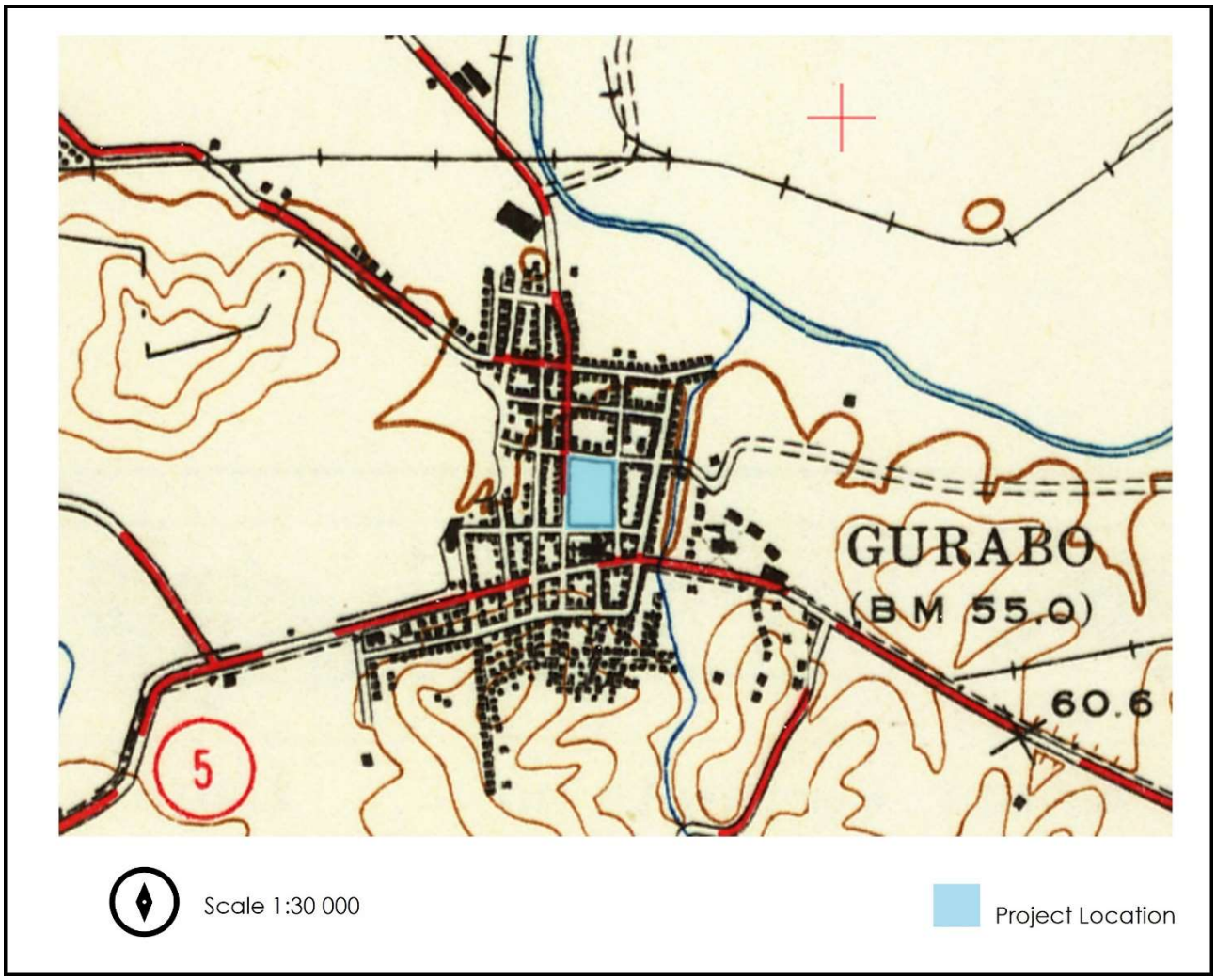


Figure 2. PR-CRP-000559 (Sidewalks improvements). Project Location, 1943 topographic map. Source: Unite State Department of the Interior, Geological Survey.

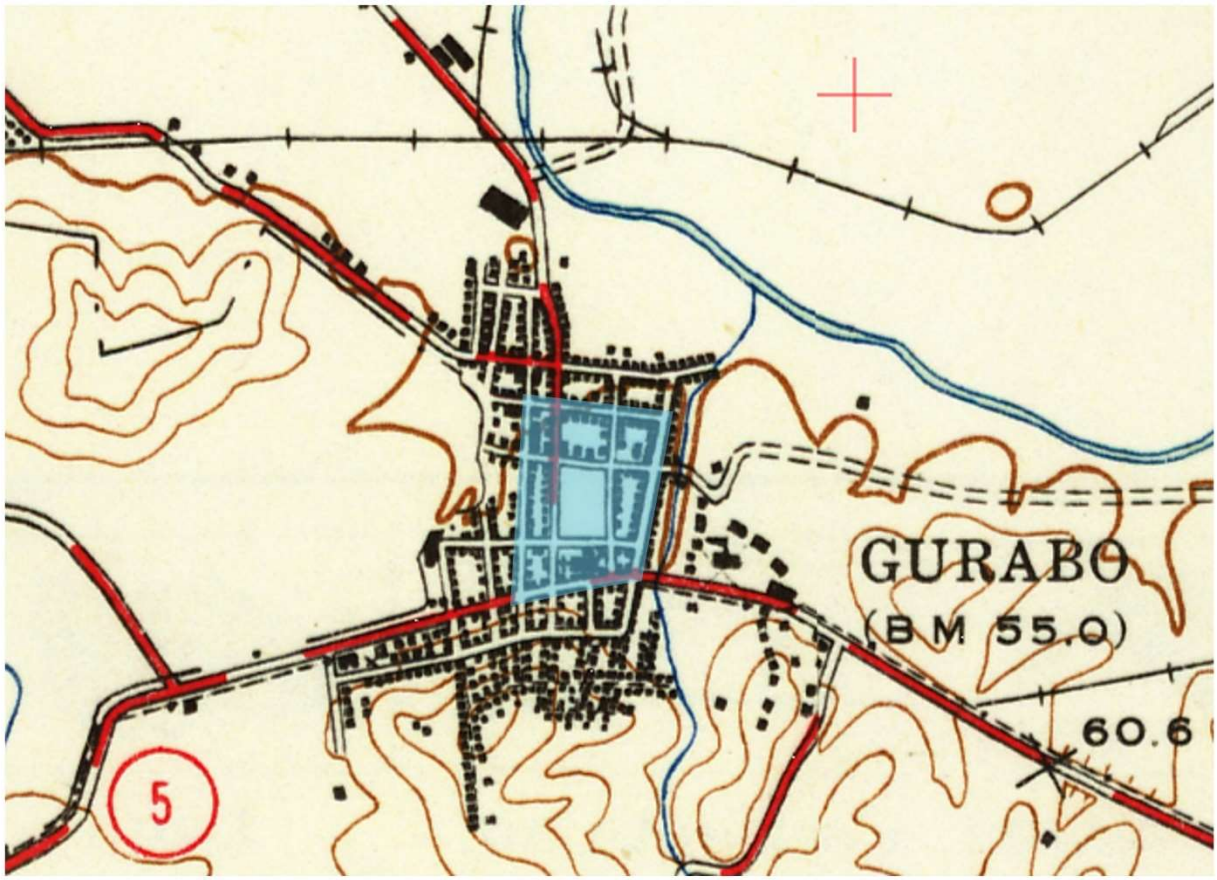

GURABO
(B M 55.0)
60.6
5
Scale 1:30 000
Project Location

Figure 3. Project Location. PR-CRP-000549 (Plaza improvements). Source: Google Earth 2023.



Figure 4. Project Location. PR-CRP-000559 (Sidewalks improvements). Source: Google Earth 2023.



Figure 5. Direct APE (PR-CRP-000559 and PR-CRP-000549). Source: Alvarado Fernando and Dilan Heidi J., 2023. Section 106 NHPA Effect Determination: PR-CRP-000549 and PR-CRP-000559.

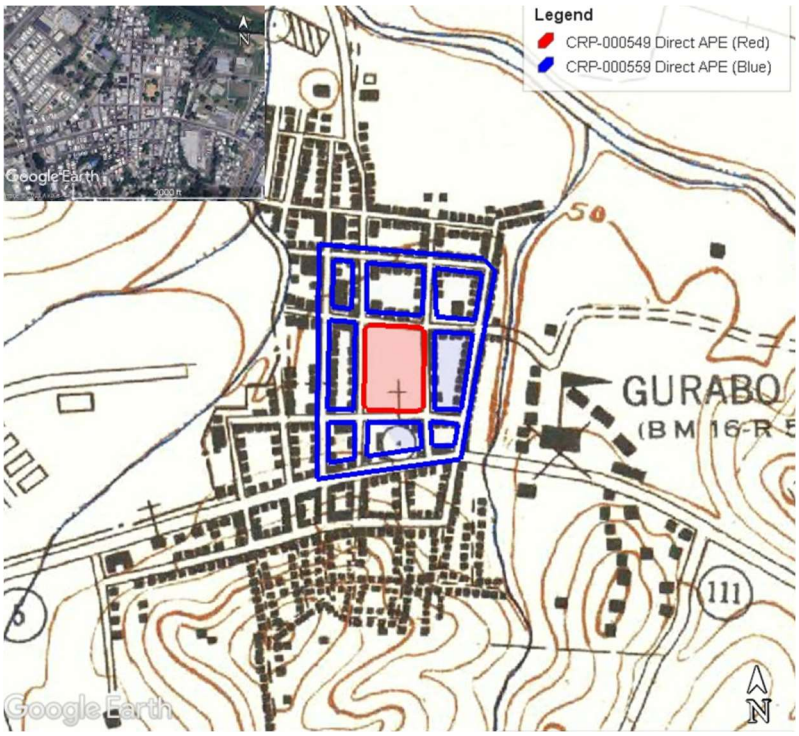
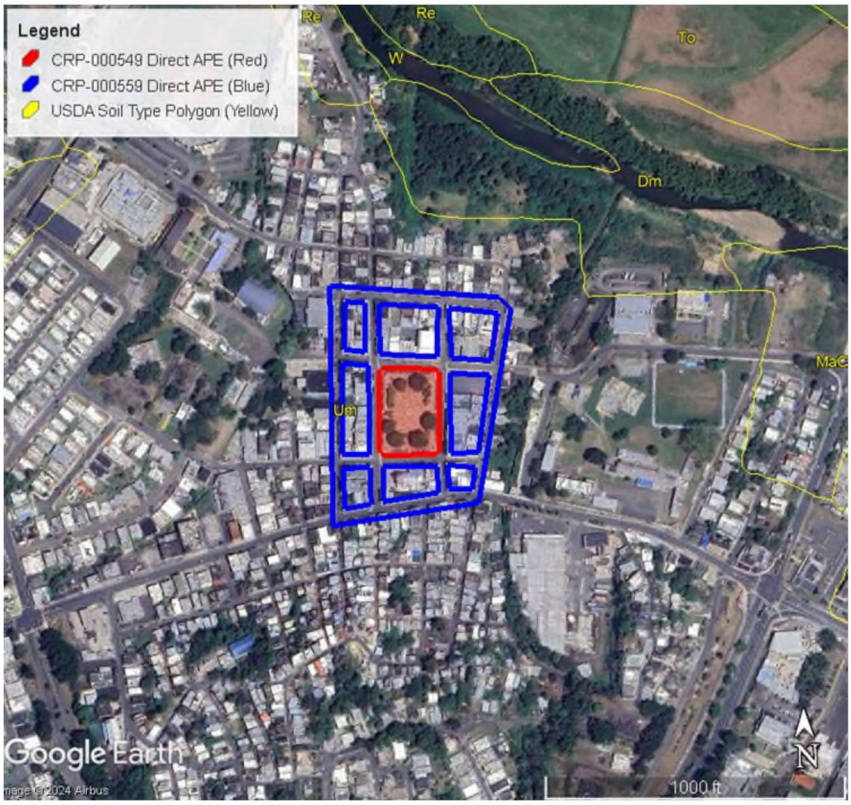


Figure 6. Direct APE. PR-CRP-000559 (Sidewalks improvements). Source: Alvarado Fernando and Dilan Heidi J., 2023. Section 106 NHPA Effect Determination: PR-CRP-000549 and PR-CRP-000559.



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 monitoring daily activity sheet (Appendix A).

II. PROJECT DESCRIPTION

In Gurabo, Puerto Rico, two projects, **PR-CRP-000559** and **PR-CRP-000549,** are proposed to rehabilitate already established urban public spaces. PR-CRP-000559 (Sidewalk improvements) focuses on the urban center of Gurabo's sidewalk modifications and repairs. The project will impact twenty-one blocks around the plaza and the sidewalks surrounding the plaza, prioritizing accessibility, and a cohesive urban design. Meanwhile, PR-CRP-000549 (Plaza improvements) revitalizes the municipal town square, merging historical essence with contemporary elements for a dynamic communal space (Plaza de los Próceres). According to the Section 106 NHPA Effect Determination: *"Rehabilitación de la Plaza de los Próceres de Gurabo" (PR-CRP-000549) and "Remodelación de aceras alrededor de la Plaza de los Próceres de Gurabo" (PR-CRP-000559*, prepared in 2023 by Fernando Alvarado and Heidi J. Dilan, through Projects PR-CRP-000559 and PR-CRP-000549, Gurabo is poised to experience a revitalization of its public spaces. By addressing infrastructure needs, enhancing accessibility, and promoting visual appeal, both projects align with the community's aspirations for vibrant and functional urban areas. These efforts reflect a commitment to improving the quality of life for residents and visitors while preserving the town's unique identity.

Project PR-CRP-000549 (Plaza improvements)

Project Description:

- Change of pavement in the central area of the square.
- Reduction of parking spaces to allocate part of the old space for sidewalks.
- To improve accessibility, existing stairs are transformed into ramps. The new landscaped spaces retain the existing benches, adding greenery to areas that were previously sidewalk parking areas with central planters.
- The existing stairway to access the plaza is maintained in the higher areas, such as the side facing Angel Celestino Morales Street.
- The surrounding sidewalk areas of the plaza and streets, such as San José, Eugenio Sánchez López, PR-943, and Ángel Celestino Morales, will be improved without affecting adjacent properties.
- Identify architectural barriers with no infrastructure utilities which can be removed or relocated to clear access.
- New sidewalks surface design.
- ADA accessibility compliance from the street and establishments and handicap ramps.
- Conceptually connecting the sidewalks and Plaza by using similar architectural elements.

Demolitions, ground Disturbance and excavations[1]:

- Trench excavations for electric conduits and storm sewer pipes, with a maximum depth of 3 feet (36 inches).
- Removing a portion of asphalt pavement, at most 4 inches, is planned to accommodate the installation of new plaza flooring.
- Removing existing infrastructure that no longer aligns with the project's vision. This includes demolishing sidewalks, curbs, pavement, and primary streets surrounding Próceres Public Plaza. Furthermore, existing furnishings and elements that hinder the proposed enhancements will also be removed.
- Signage improvements (handicapped symbol & parking sign details): 3'8" deep.
- Trellis foundation: up to 36" deep.
- Kiosk foundation: 1' deep.
- Structural elements for ramps and slab: Up to 3', 2" deep.

Project PR-CRP-000559 (Sidewalk improvements)

Project Description:

- Demolishing existing sidewalks, curbs, and outer elements, reconstructing them in the same space with new sidewalks, concrete curbs, and gutters, incorporating necessary handicap ramps and driveway reconstruction. The project respects the boundaries of existing properties.
- Enhancing sidewalks within The Próceres Public Plaza, extending from Calle Lago to PR-189 and from Calle Matías González to Calle Juan R Quiñones, Gurabo, Puerto Rico.
- Addressing architectural barriers to improve accessibility.
- Ensuring ADA accessibility compliance with new handicap ramps and pedestrian crossings.
- Conceptually linking sidewalks and the plaza through similar architectural elements.

Demolitions, ground disturbance and excavations [2]:

- Demolition and reconstruction of existing sidewalks, curbs, and gutters within the Próceres Public Plaza vicinity in Gurabo.
- Concrete gutters construction, a maximum depth of 18 inches.
- Ground disturbance for new sidewalks up to 20" from roadway.
- Demolishing existing sidewalks, curbs, and gutters extending from Calle Lago to PR-189 and from Calle Matías González to Calle Juan R Quiñones.
- Partially widening sidewalks to adhere to ADA accessibility standards. Installing new handicapped ramps, signage improvements, and pedestrian crossing markings will further enhance the overall accessibility and safety of the area.

[1] For the better understanding of the proposed undertaking, see attached the most recent design plans of the project (Appendix B, 90 % design plans. D 100, S 100, S101, S102).
[2] For the better understanding of the proposed undertaking, see attached the most recent design plans of the project (Appendix B, 90 % design plans. C 701, C 702, C 703).

Figure 7. Existing Conditions and Demolition Plan. Project PR-CRP-000549 (Plaza improvements).

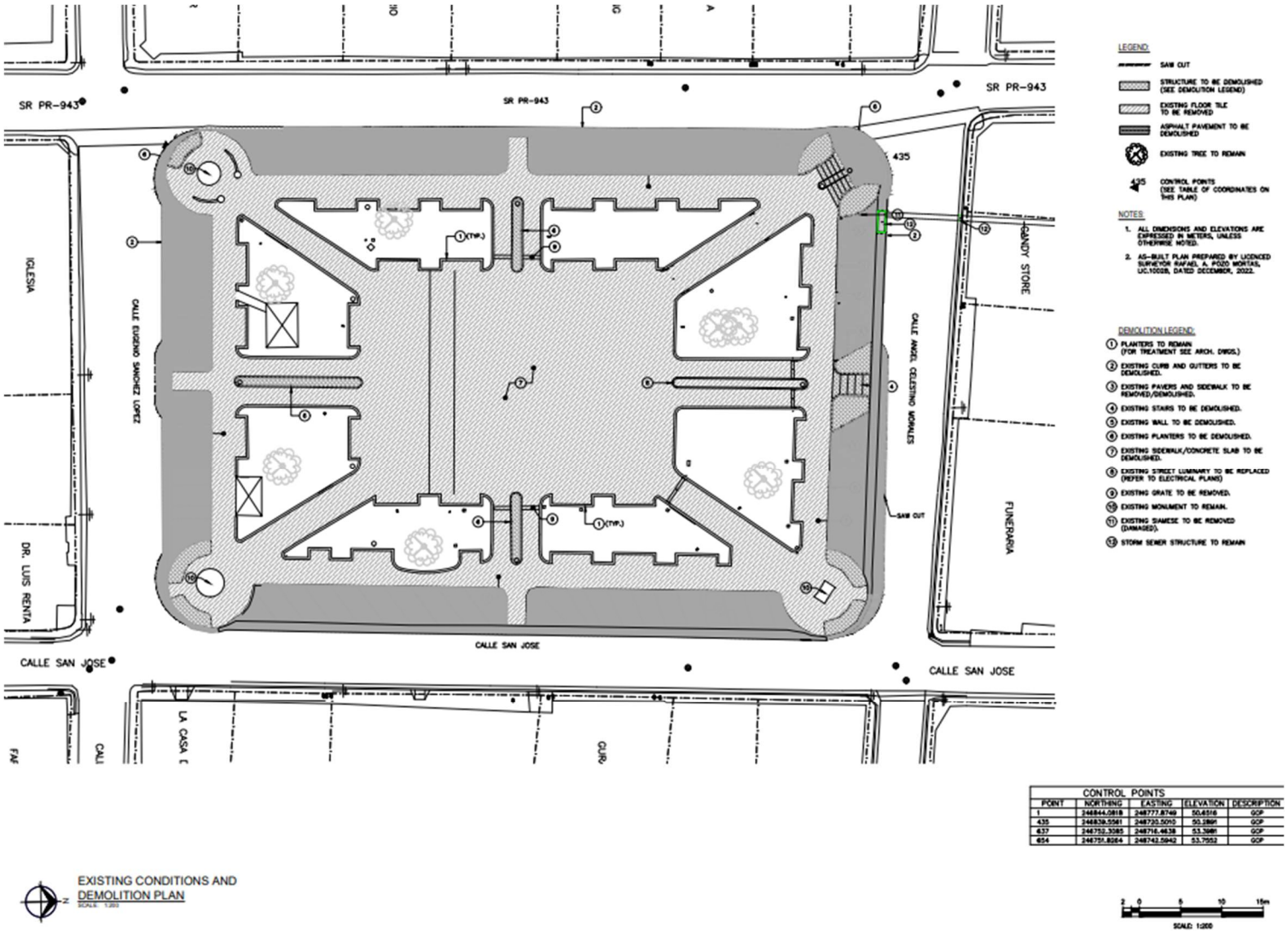


Figure 8. General Site Plan. Project PR-CRP-000559 (Sidewalk improvements).

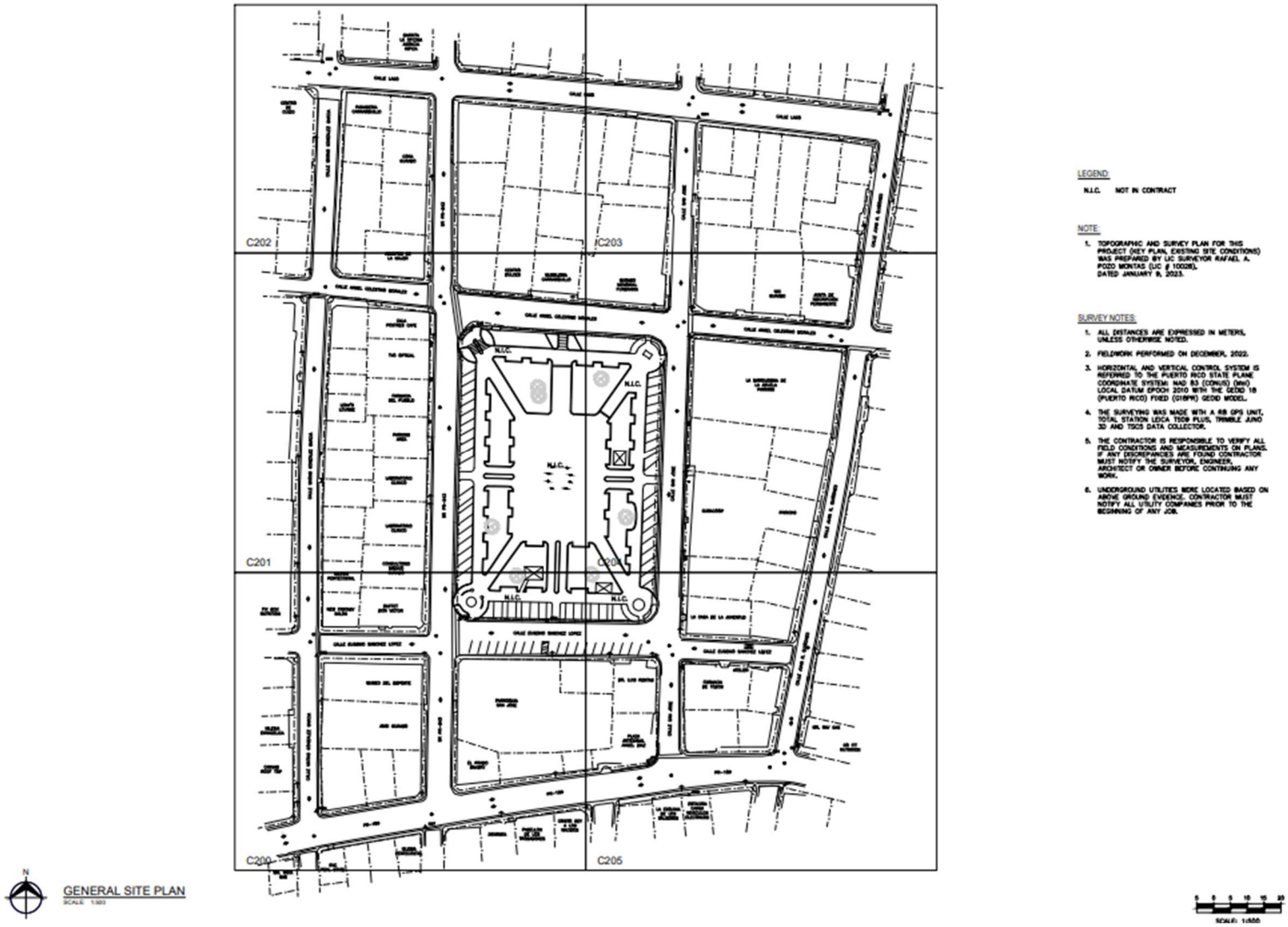


Figure 9. Existing Conditions and Demolition Plan (SW area). Project PR-CRP-000559 (Sidewalk improvements).

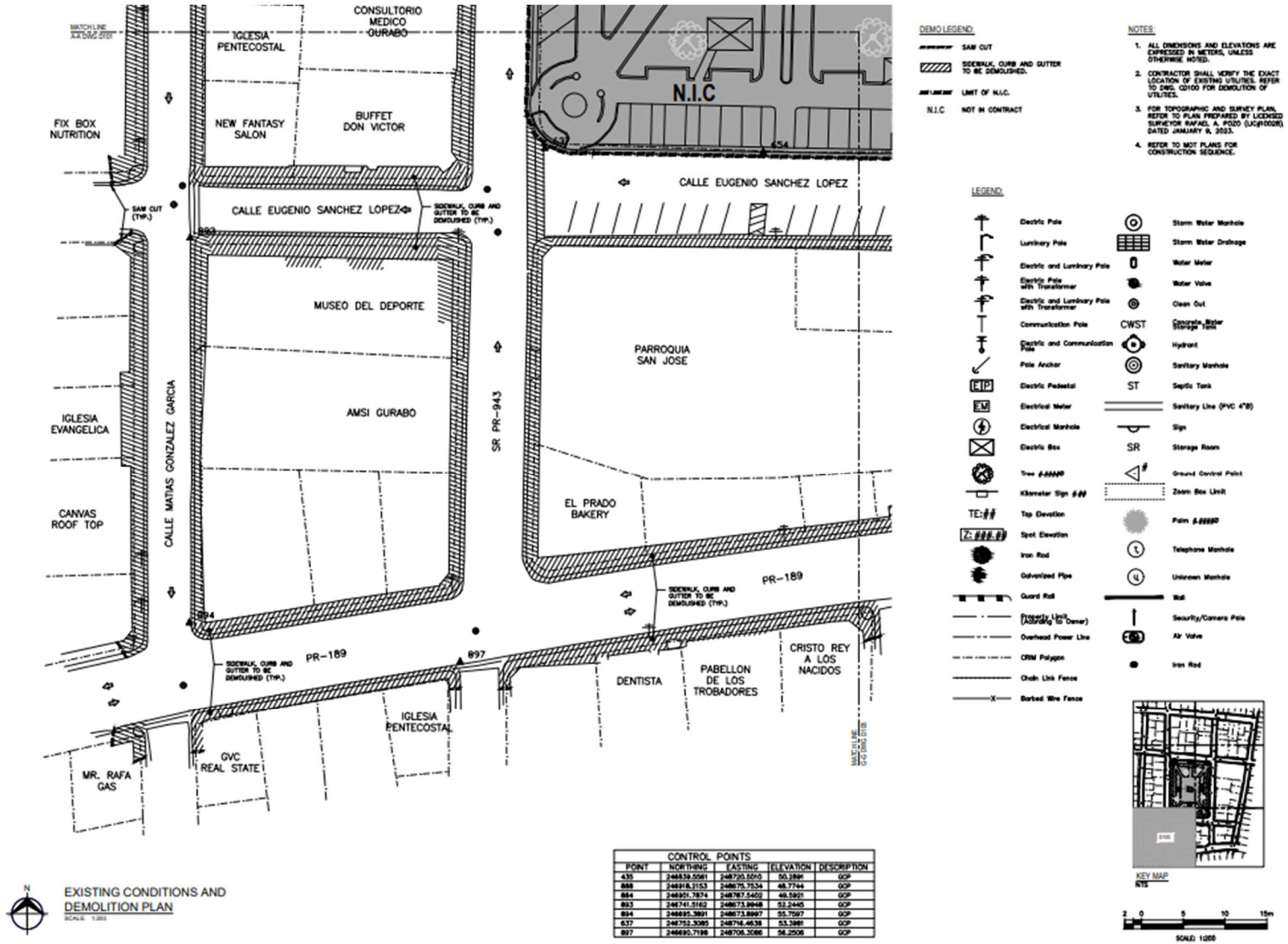


Figure 10. Existing conditions and Demolition Plan (W area). Project PR-CRP-000559 (Sidewalk improvements).



Figure 11. Existing conditions and Demolition Plan (NW area). Project PR-CRP-000559 (Sidewalk improvements).

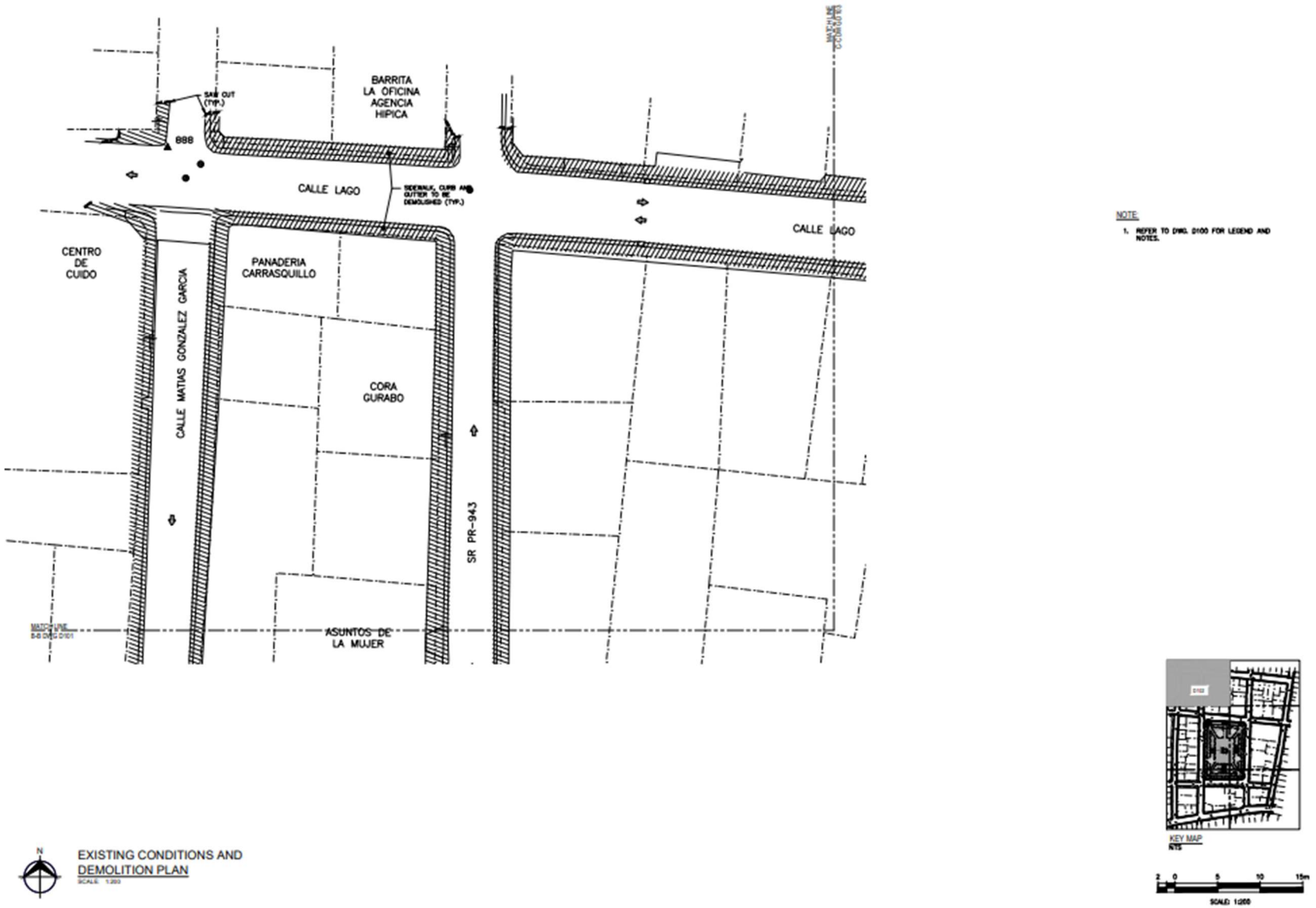


Figure 12. Existing conditions and Demolition Plan (NE area). Project PR-CRP-000559 (Sidewalk improvements).

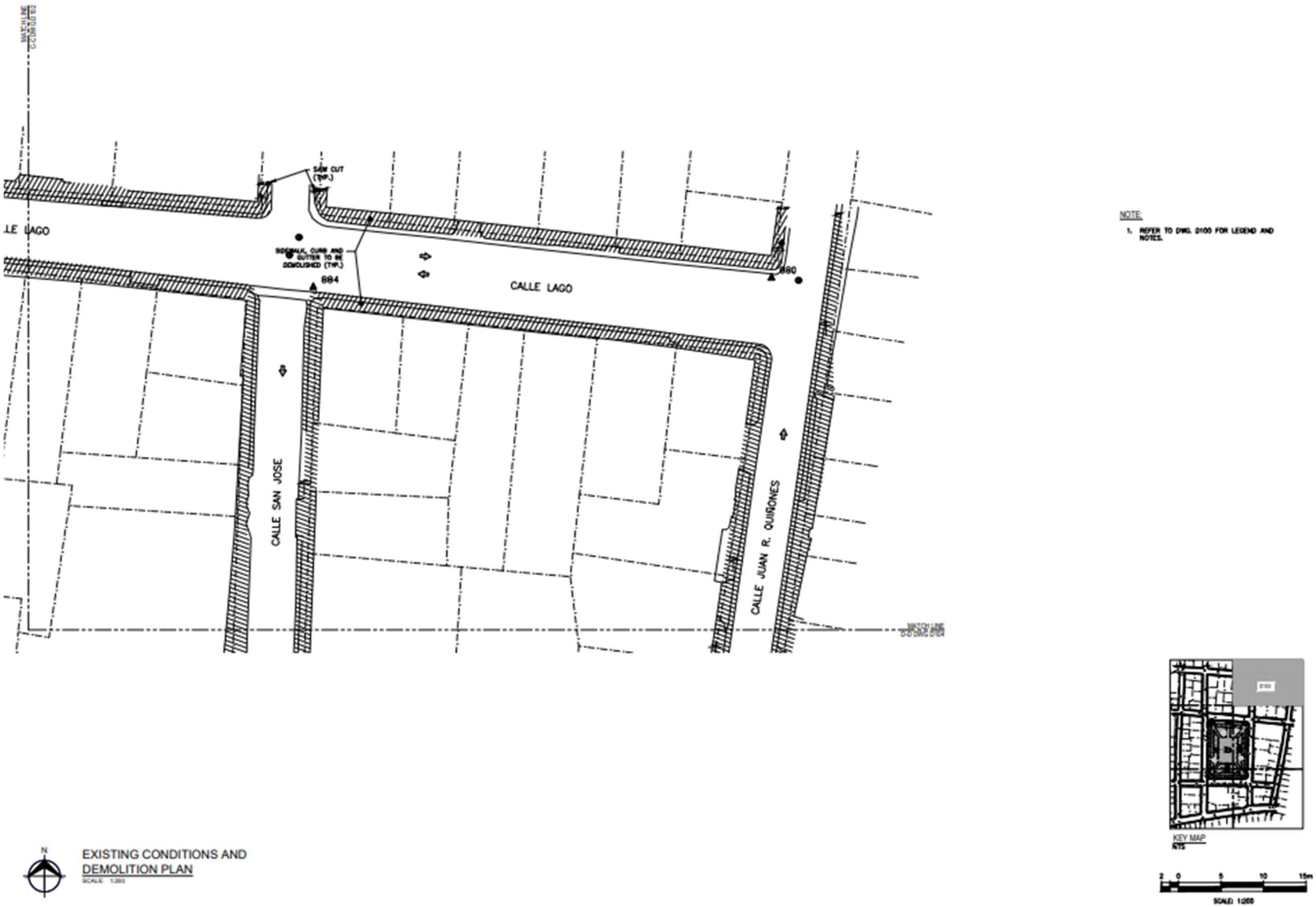


Figure 13. Existing conditions and Demolition Plan (E area). Project PR-CRP-000559 (Sidewalk improvements).

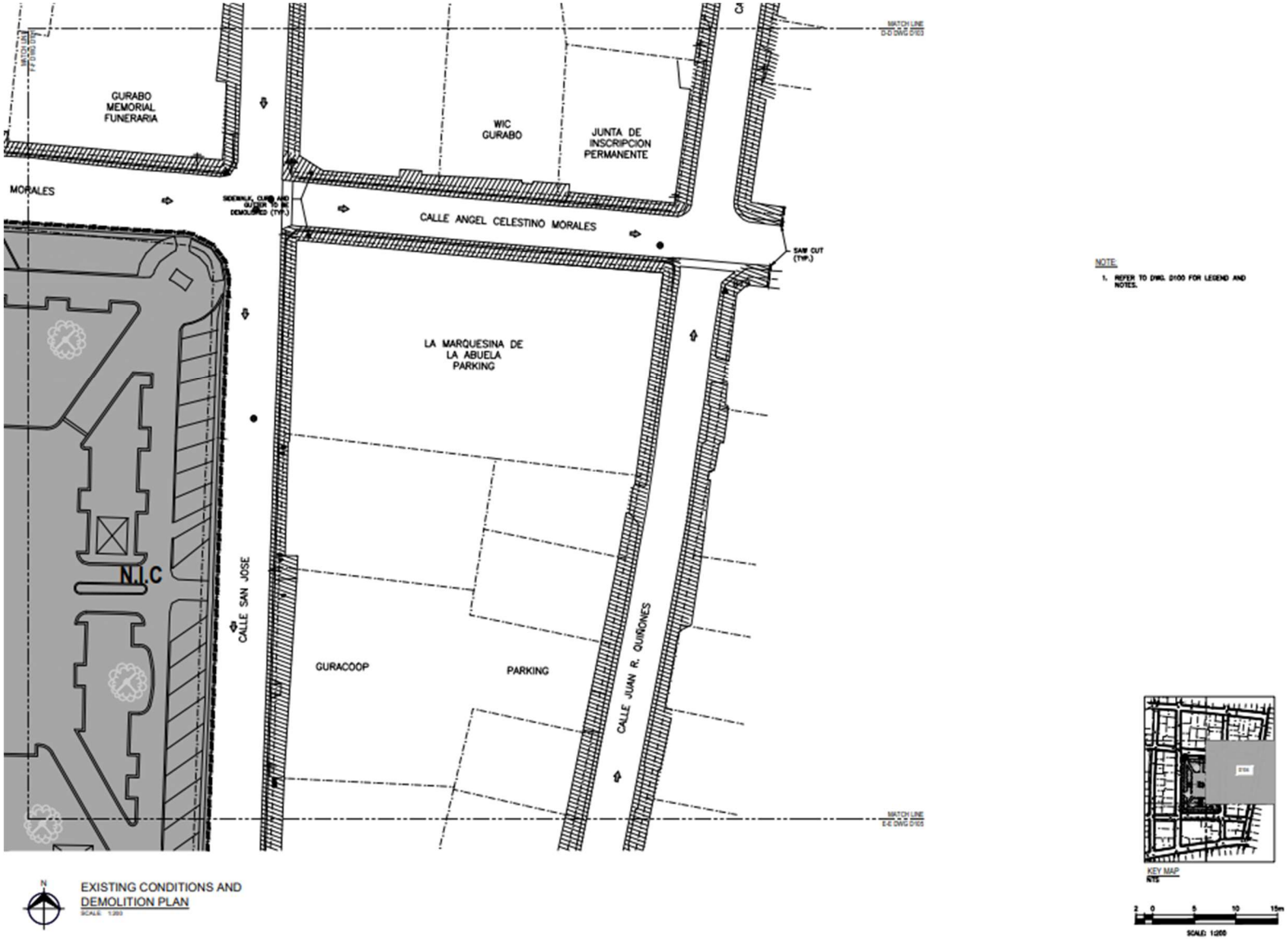
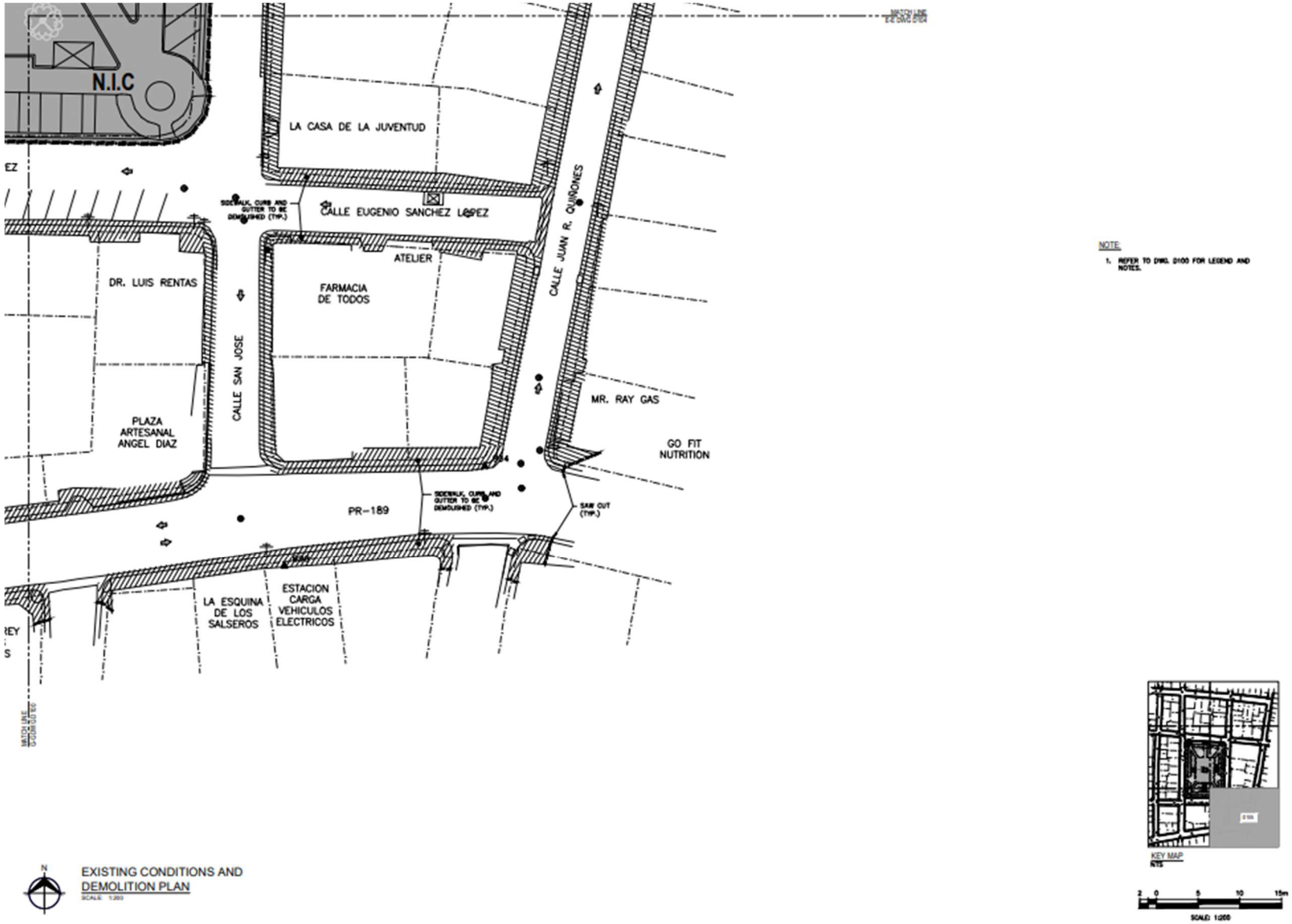


Figure 14. Existing conditions and Demolition Plan (SE area). Project PR-CRP-000559 (Sidewalk improvements).



1. HISTORIC PROPERTIES WITHIN THE APE

The projects outlined above are in the urban center of Gurabo, which is eligible for the National Register of Historic Places as a Historic District. One of the projects directly intervenes in the town's plaza (PR-CRP-000549, Plaza improvements). In addition to contributing to the Historic District, this space is eligible for the NRHP in its character. The island's plazas de recreo are an essential element in the urban history of our cities; in addition to their architectural significance, historically, they have been the center of social and cultural life in the island's towns. The second project (Project PR-CRP-000559, Sidewalk improvements) will be developed on the sidewalks and streets surrounding the square. The urban grid of the urban center is an important part of the historic district value and significance. This grid is the physical representation of a period in the history of architecture, not only of the island but also of the influences of Spanish metropolitan urbanism.

Gurabo was founded in 1815. Its church (Included in the National Register of Historic Places) was founded in 1815, finished after 1824, and is dedicated to San José. The church of Gurabo is of the type covered by a single nave with thick walls. It emulates the baroque architecture built in other Caribbean islands for this period and has some similarities to the temples of Mexican monasteries of the XVI century (Marvel and Moreno, 1984). By 1853, the Gurabo public buildings constructed were the church (in 1853 it was rebuilt), the king's house (Casa del Rey), the Cemetery, and the Butcher's shop. Most of these structures were built of wood, tile roofs, brick, or stone walls. Gurabo presents a late urban historical context in the history of Puerto Rico. However, at the end of the 19th century (1878), Manuel de Ubeda y Delgado (Quoted in Seúlveda, 2004), in his Historical, Geographical, and Statistical Study of the Puerto Rico Island, describes the town as having a plaza and eight streets, mainly Carreras and Comercio (See figure 9).

Gurabo urban area showed rapid growth in the first half of the 20th century. In Figure 1, we can see how the urban grid had thirty-three urbanized blocks by 1944. The city was organized fundamentally to the north, south, and west. The entire area comprising both projects was fully developed by 1937. The architecture of the historic center of Gurabo exhibits a fundamentally 20th-century architecture. The above is evidenced by the results of the previous investigation (Dilan, Heidi and Alvarado, Fernando, Puerto Rico 2017 Disaster Recovery, CDBG-DR Program, City Revitalization Program (CRP), Section 106 NHPA Effect Determination, 2023). According to this document, currently, within a 1/4-mile radius, we can find numerous buildings of historic value that are also eligible for the NRHP. For example: Masonic Lodge, built in late 1800s; Santiago Street, Catholic Church, built ca. 1840; Santiago Street, Historic City Hall built early 1900s; Matías González Street, Storage Building, built early 1900s; Matías González Street, Historic Spanish Revival Style School, build early 1900s; Matías González Street, Historic Vernacular Style Duplex, ca. 1912; Angel C. Morales Street, Storage Building, built: Early 1900s; Angel C. Morales Street, Building, build ca. 1945 and Lago Street, Historic Residence, build early 1900s.

Archaeological Potential

The studies consulted during the investigation of the Section 106 NHPA Effect Determination (Dilan and Alvarado, 2023) reveal two positive archaeological studies within the direct APE of both projects: Phase IA study, *Mejoras al Alcantarillado Sanitario de Gurabo, 1997*, by Antonio Daubón Vidal and the Phase IA stud, *Biblioteca Municipal de Gurabo*, by Sharon Melendez Ortiz, 2012. The first investigation determined the historical-archeological value of the area and recommended monitoring any projects that might affect the old church, town hall, and plaza. According to Section 106 NHPA Effect Determination form:

> *These studies contributed to the official recognition of several sites. Notable among these are the Iglesia San Jose (GR-6) and the town hall (Casa Alcaldía, GR-45), in addition to the Project Site itself, Plaza Luis Muños Marin, known as GR-14 under ICP/CAT or GR02000011under SHPO. All these sites can be traced back to at least the XIX Century (…) There are additionally eighteen (18) historic structures identified in an inventory at the ICP/CAT archives that will be impacted directly by the sidewalk's improvements (Investigación Regional del Municipio de Gurabo, 2002, CSA Group). These structures are identified in the ICP/CAT by the following identification numbers: GR-13, GR-17, GR-35, GR-36, GR-37, GR-39, GR-40, GR-41, GR-42, GR-43, GR-45, GR-47, GR-52, GR-53, GR-54, GR-55, and GR-60. Most of them correspond to private structures, residences, and stores. Most of them were built during the early 20th century.*

The archaeological potential of the area is derived from centuries of occupation and urban development of Gurabo's Town. Remnants of the different periods of occupation can be found in the subsoil. Especially from the historical period between the 19th century and the 20th century. Due the location of the projects (first stage of urban development of the historic center) has a potential for the presence of archeological resources from colonial times associated with the first inhabitants and the urban development of the town of Gurabo during the last three centuries. The area is susceptible to the presence of historical building materials and artifacts of ceramics, glass, and metal, among others, related to the lifestyles of past societies. Likewise, elements related to the city's infrastructure, such as gutters, sewers, and pipes, can be found during the excavations. Particular attention should be paid to demolitions or excavations on sidewalks adjacent to historic buildings. As mentioned above, there are several identified structures that this project could impact. Besides, given the project's magnitude, if excavations, demolitions, or any ground disturbance are carried out simultaneously in several areas, it will be necessary to have several monitors on site. Below is a series of images related to the historical and archaeological significance of the site, as well as its historical uses.

Figure 9. Sketch of Gurabo. Corps of Military Engineers, 1873. In blue project location PR-CRP-000549 (Plaza improvements), in yellow project location PR-CRP-000559 (Sidewalk improvements). Source: Sepúlveda 2004.



Figure 10. Aerial View, 1937. In blue project location PR-CRP-000549 (Plaza improvements), in yellow project location PR-CRP-000559 (Sidewalk improvements). Source: Sepúlveda 2004, DTOP.

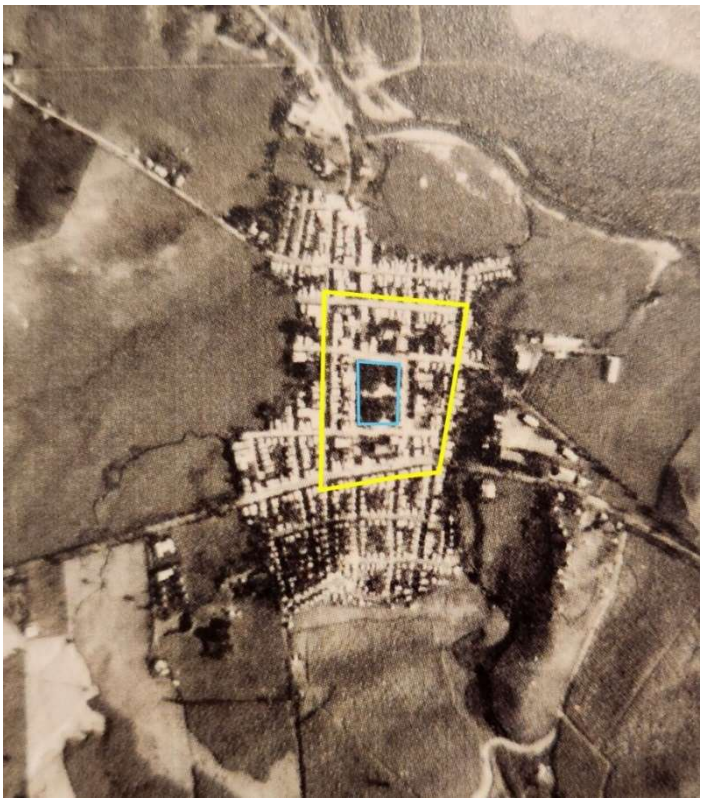


Figure 11. Aerial View, 1951. Source: Section 106 NHPA Effect Determination: PR-CRP-000549 and PR-CRP-000559. Source: Dilan Heidi J. and Alvarado Fernando. Section 106 NHPA Effect Determination Form for PR-CR-00549 and PR-CR-00559, 2023.



Figure 12. Urban development of Gurabo between 1873 and 1999. Source: Sepúlveda 2004.



Figure 13. Gurabo church ca. 1990. Source: Marvel and Moreno, 1984.



2. 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. Particular attention shall be paid to the construction stages of the building and to other associated structures that may exist within the project's area of potential effect. This data must be included in the final report.

B. During Demolition and Construction

1. The Monitor shall be in the field during all project activities involving demolition and ground disturbance, and activities with heavy machinery 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.
2. The Monitor shall provide instructions directly to the construction field personnel concerning how to proceed when there is a potential to impact an archaeological resource. The construction field personnel will abide by these requests: excavate slowly, stop the excavation work to evaluate a finding, etc.
3. 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.

4. 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.
5. The Monitor shall document all other archaeological remains identified during construction activities, except for previously unidentified historically significant findings (refer to B-7 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.
6. 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.
7. 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 finding. 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 finding, the GM shall notify the SHPO and provide supporting

documentation. Construction activities may resume under archaeological monitoring unless the SHPO makes a timely objection within 48 hours of the notification.

If the project activities have an **adverse effect** on the NRHP-eligible finding, a Data Recovery will be implemented as a Treatment Measure per Appendix F of the PA. The Monitor shall develop a data recovery plan with a research design consistent with the Secretary of the Interior's Guidelines for Archeological 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).

8. 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.
9. If during construction activities a 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

3. 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 work 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.

3. 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.

4. 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

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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.

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1984 Architecture of Parish Churches in Puerto Rico. San Juan: Editorial de la Universidad de Puerto.

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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.

United States Geological Surve

APPENDIX A: MONITORING DAILY ACTIVITY SHEET

	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
Are the project activities conforming to the LIDRS? If not, explain below.	☐	☐
Was an archaeological remain documented during the day. If yes, include required information below.	☐	☐
Was an exceptional archaeological remain identified during the day? If yes, explain below.	☐	☐
Have the construction activities affected a previously unidentified property or a known historic property in an unanticipated manner? If yes, explain below.	☐	☐
Has there been a change in the scope of work of the project? If yes, explain below.	☐	☐

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.	

PR-CRP-000549 90% DESIGNS

PR-CRP-000549
REVITALIZATION OF
GURABO PUBLIC PLAZA

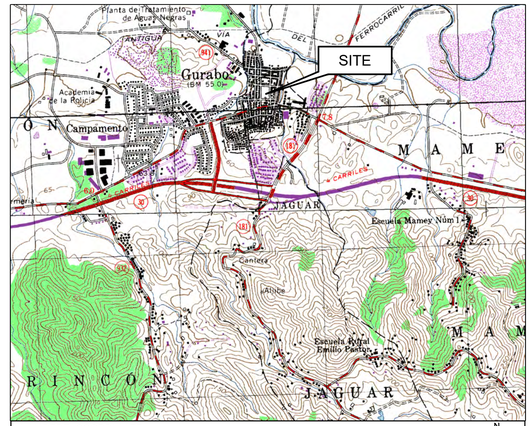
GURABO

PUERTO RICO

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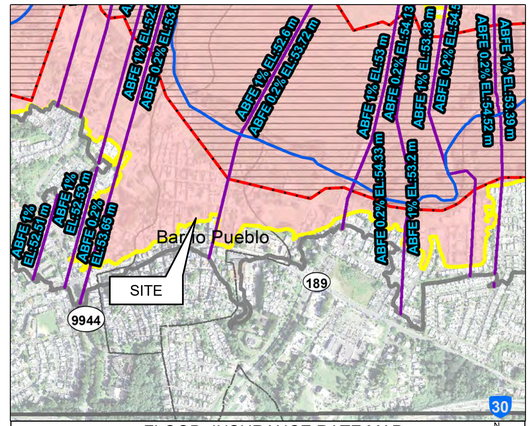
INDEX

SHEET	DESCRIPTION:
GENERAL PLANS	
T000	TITTLE SHEET INDEX, LOCATION MAP, FLOOD MAP & CALIFICATION
C001	GENERAL SITE PLAN
C002	TYPICAL SECTIONS
CIVIL PLANS	
D100	EXISTING CONDITION AND DEMOLITION PLAN
C200	LAYOUT PLAN
C310 TO 313	GRADING PLAN
C480	EROSION AND SEDIMENTATION CONTROL PLAN
C490	EROSION AND SEDIMENTATION CONTROL DETAILS
C500	SANITARY SEWER SYSTEM PLAN
C520	SANITARY SEWER SYSTEM DETAILS
C600	POTABLE WATER SYSTEM PLAN
C640	POTABLE WATER AND FIRE PROTECTION DETAILS
C700 TO C701	TYPICAL SECTIONS AND DETAILS
C800	SIGNING AND PAVEMENT MARKING PLAN
C850	SIGNING AND PAVEMENT MARKING DETAILS
MOT1	MAINTENANCE OF TRAFFIC GENERAL NOTES
MOT2	MAINTENANCE OF TRAFFIC TYPICAL APPLICATIONS
MOT3	MAINTENANCE OF TRAFFIC DETOUR PLAN
MOT4	MAINTENANCE OF TRAFFIC CONSTRUCTION SIGN TABLE
MOT5	MAINTENANCE OF TRAFFIC CONSTRUCTION SIGN TABLE
LANDSCAPE PLANS	
L000	GENERAL NOTES
L100	LANDSCAPE KEY PLAN
L101	TREE AND SHURBS PLANTING PLAN
L102	GROUNDCOVER PLANING LAYOUT
L200	PLANTING DETAILS
ARCHITECTURAL PLANS	
G003	GENERAL NOTES
G004	ADA STANDARDS FOR ACCESIBILITY
ASD100	EXISTING CONDITIONS & SELECTIVE DEMOLITION SITE PLAN
AS100	ARCHITECTURAL SITE PLAN–TOP VIEW (ROOF PLAN)
AS101	OVERALL ARCHITECTURAL SITE PLAN–LANDSCAPES & GREEN AREAS
AS102	OVERALL ARCHITECTURAL SITE PLAN–HARDSCAPE FLOOR FINISHES
AS103	ARCHITECTURAL SITE PLAN–SITE FURNISHINGS
AS300	SITE SECTIONS & ELEVATIONS
AS500	ARCHITECTURAL SITE ELEMENTS AND OUTDOOR DETAILS
AS502	ARCHITECTURAL SITE ELEMENTS AND OUTDOOR DETAILS
AS503	ARCHITECTURAL SITE ELEMENTS AND OUTDOOR DETAILS
AS504	ARCHITECTURAL SITE ELEMENTS AND OUTDOOR DETAILS
AS505	ARCHITECTURAL SITE ELEMENTS AND OUTDOOR DETAILS
AS506	ARCHITECTURAL SITE ELEMENTS AND OUTDOOR DETAILS
AS507	ARCHITECTURAL SITE ELEMENTS AND OUTDOOR DETAILS
AS600	SCHEDULES
STRUCTURAL PLANS	
SN100	STRUCTURAL NOTES
SN101	STRUCTURAL DETAILS
S100	STRUCTURAL SITE PLAN & DETAILS
S101	STRUCTURAL PLANS & DETAILS–KIOSK
S102	STRUCTURAL SITE PLAN & DETAILS
MECHANICAL PLANS	
PL01	PLUMBING LEGEND, ABBREVIATIONS AND GENERAL NOTES
PL02	KIOSK–ENLARGED PLUMBING FLOOR PLAN
PL03	PLUMBING DETAILS AND GENERAL NOTES
ELECTRICAL PLANS	
ES100	ELECTRICAL SITE PLAN LIGHTING AND POWER
ES150	KIOSK ELECTRICAL PLAN
ES200	ONE LINE DIAGRAM & DETAILS
E300	SCHEDULES
E400	LEGEND & NOTES

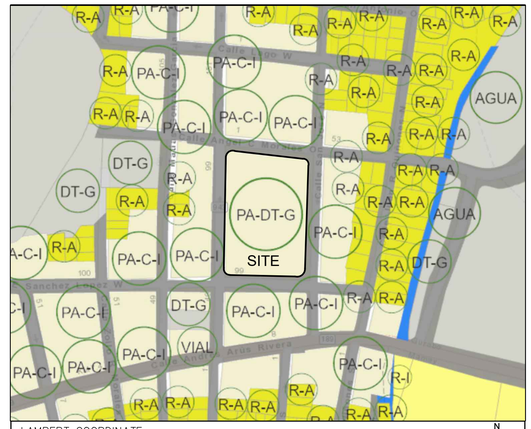


LAMBERT COORDINATE
X: 248745.4158
Y: 246795.1973

LOCATION PLAN
SCALE: 1:20,000



FLOOD INSURANCE RATE MAP
NUMBER: 72000C0765J (REV. APRIL 13, 2018)



LAMBERT COORDINATE
X: 248745.4158
Y: 246795.1973

CALIFICATION
SCALE: NTS

OWNER

Gurabo
CIUDAD DE LAS ESCALERAS

P.O. Box 3020
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(787) 707-1717
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CONSULTANT

SEAL

YO, LUZ M. RODRIGUEZ TORRES, LIC. 17504, CERTIFICO QUE SOY EL PROFESIONAL QUE CONFECCIONÓ Y/O DISEÑÓ Y/O PREPARÓ ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS, TAMBIÉN CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE 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 NÚM. 14 DEL 8 DE ENERO DE 2004, SEGÚN ENMENDADA, CONOCIDA COMO LEY PARA LA INVERCIÓN POR LA INDUSTRIA PUERTORRIQUEÑA Y CON LA (LEY NÚM. 119 DEL 15 MAYO DE 1938 , SEGÚN ENMENDADA; LEY NÚM. 96 DEL 6 DE JULIO DE 1978, SEGÚN ENMENDADA; SEGÚN APLIQUE). RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIONES DE LOS HECHOS QUE SE HAYA PRODUCIDO POR DESCONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MÍ, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR LA OGPE.

PROJECT INFORMATION

PR-CRP-000549
REVITALIZATION OF
GURABO PUBLIC PLAZA

GURABO PUERTO RICO

REVISIONS

NO.	DESCRIPTION	DATE
A	30% DESIGN DRAWINGS	02/10/23
B	60% DESIGN DRAWINGS	05/05/23
C	90% DESIGN DRAWINGS	09/29/23
D	90% DESIGN REVISED	01/25/24

DATE ISSUED:	12/22/22
REVIEWED BY:	LMR
DRAWN BY:	AMC
DESIGNED BY:	LMR
BRA PROJECT NUMBER:	22023

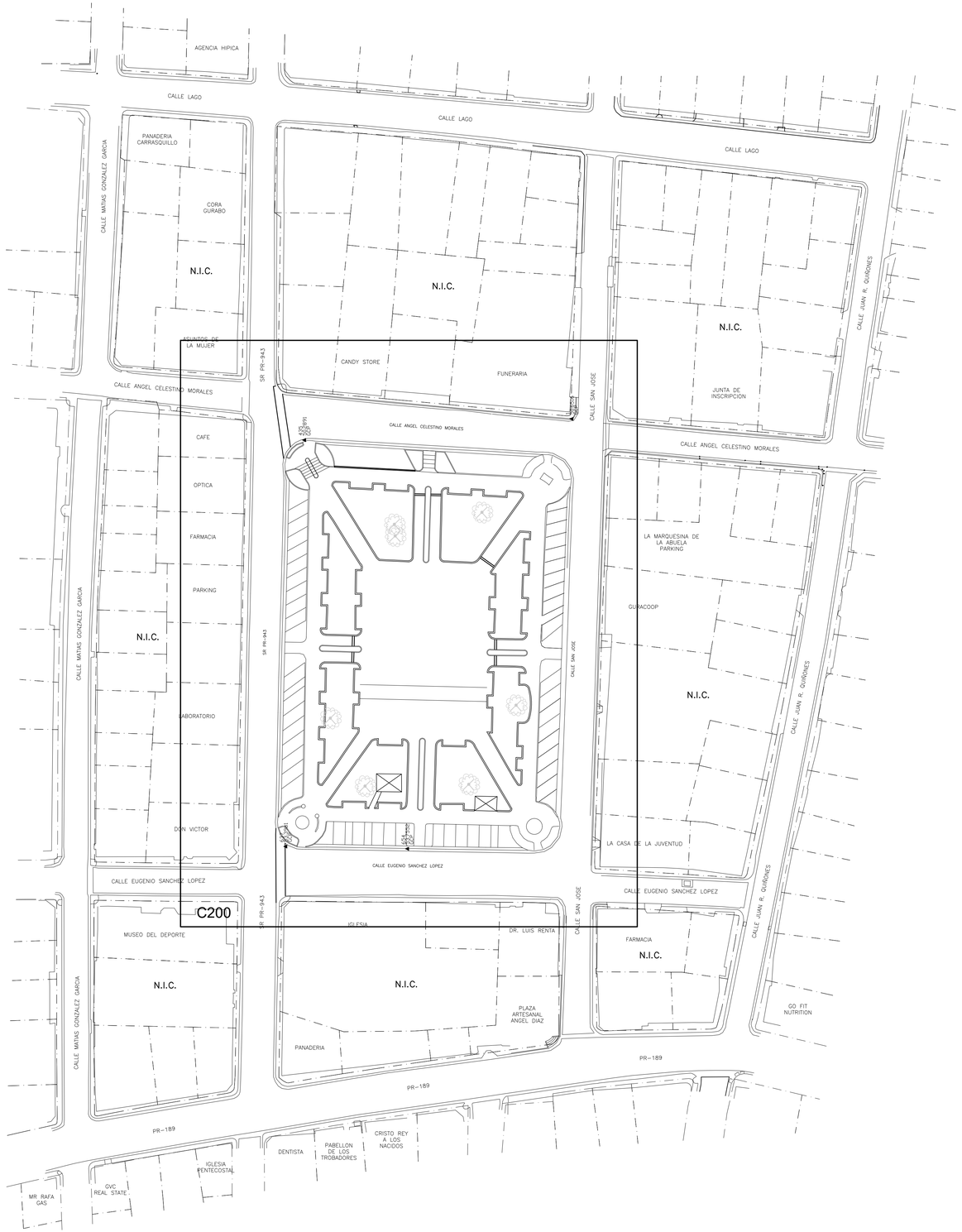
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TITLE SHEET, INDEX, LOCATION PLAN, FLOOD MAP & CALIFICATION

SHEET ID

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N

GENERAL SITE PLAN
SCALE: 1:500

5 0 5 10 15 20

SCALE: 1:500

LEGEND:

N.I.C. NOT IN CONTRACT

NOTE:

1. TOPOGRAPHIC AND SURVEY PLAN FOR THIS PROJECT (KEY PLAN, EXISTING SITE CONDITIONS) WAS PREPARED BY LIC SURVEYOR RAFAEL A. POZO MONTAS (LIC # 10028), DATED DECEMBER, 2022.

SURVEY NOTES:

1. ALL DISTANCES ARE EXPRESSED IN METERS, UNLESS OTHERWISE NOTED.
2. FIELDWORK PERFORMED ON DECEMBER, 2022.
3. HORIZONTAL AND VERTICAL CONTROL SYSTEM IS REFERRED TO THE PUERTO RICO STATE PLANE COORDINATE SYSTEM: NAD 83 (CONUS) (Mol) LOCAL DATUM EPOCH 2010 WITH THE GEOID 18 (PUERTO RICO) FIXED (G18PR) GEOID MODEL.
4. THE SURVEYING WAS MADE WITH A R8 GPS UNIT, TOTAL STATION LEICA TS09 PLUS, TRIMBLE JUNO 3D AND TSC5 DATA COLLECTOR.
5. THE CONTRACTOR IS RESPONSIBLE TO VERIFY ALL FIELD CONDITIONS AND MEASUREMENTS ON PLANS. IF ANY DISCREPANCIES ARE FOUND CONTRACTOR MUST NOTIFY THE SURVEYOR, ENGINEER, ARCHITECT OR OWNER BEFORE CONTINUING ANY WORK.
6. UNDERGROUND UTILITIES WERE LOCATED BASED ON ABOVE GROUND EVIDENCE. CONTRACTOR MUST NOTIFY ALL UTILITY COMPANIES PRIOR TO THE BEGINNING OF ANY JOB.

OWNER

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PROJECT INFORMATION

PR-CRP-000549
REVITALIZATION OF
GURABO PUBLIC PLAZA

GURABO PUERTO RICO

REVISIONS

NO.	DESCRIPTION	DATE
A	30% DESIGN DRAWINGS	02/10/23
B	60% DESIGN DRAWINGS	05/05/23
C	90% DESIGN DRAWINGS	09/29/23
D	90% DESIGN DRAWINGS-R	01/24/24

DATE ISSUED:	02/22/23
REVIEWED BY:	LMR
DRAWN BY:	AMC
DESIGNED BY:	LMR
BRA PROJECT NUMBER:	22023

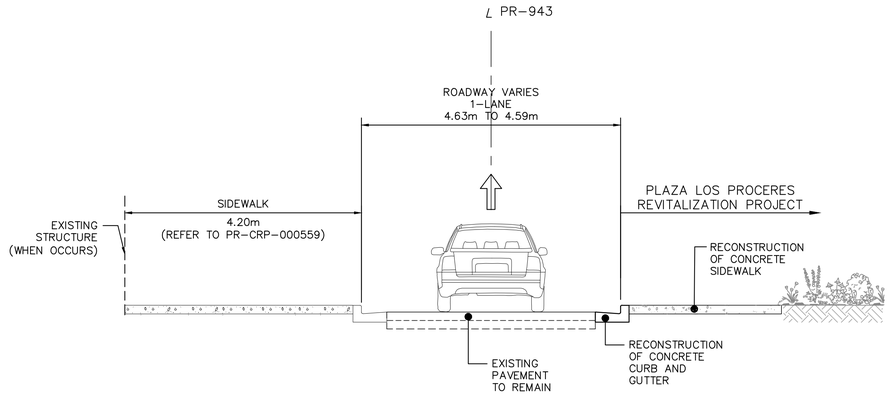
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GENERAL SITE PLAN

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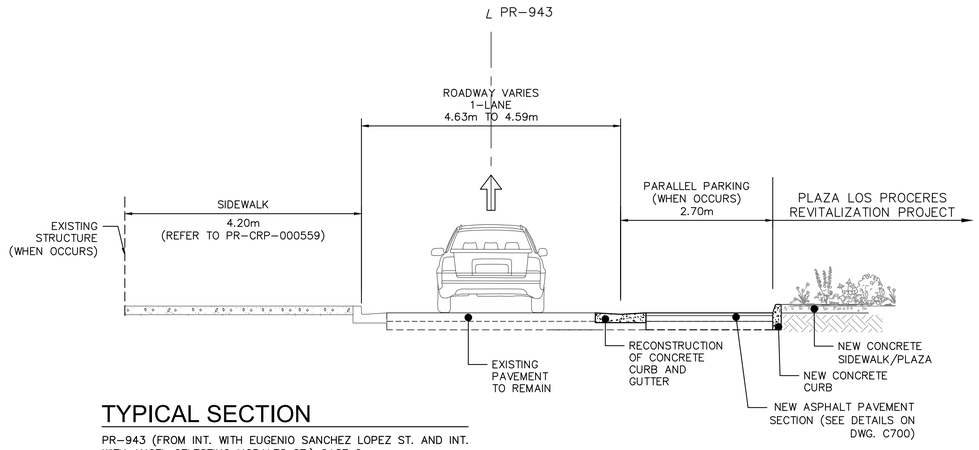
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TYPICAL SECTION

PR-943 (FROM INT. WITH EUGENIO SANCHEZ LOPEZ ST. AND INT. WITH ANGEL CELESTINO MORALES ST.) CASE 1



TYPICAL SECTION

PR-943 (FROM INT. WITH EUGENIO SANCHEZ LOPEZ ST. AND INT. WITH ANGEL CELESTINO MORALES ST.) CASE 2

NOTES:

1. ALL DIMENSIONS AND ELEVATIONS ARE EXPRESSED IN METERS, UNLESS OTHERWISE NOTED.
2. REFER TO DWGS. C700-C701 FOR RECONSTRUCTION OF CONCRETE SIDEWALK, CURB AND GUTTER, HC RAMPS, ASPHALT PAVEMENT AND DETAILS.
3. REFER TO ARCHITECTURAL PLANS FOR PLAZA GURABO CONCRETE SLAB PATTERN, TREATMENTS AND DETAILS.

GRAPHIC SCALE= 1:50

0 1 2 3 4

OWNER

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PROJECT INFORMATION

PR-CRP-000549
REVITALIZATION OF
GURABO PUBLIC PLAZA

GURABO PUERTO RICO

REVISIONS

NO.	DESCRIPTION	DATE
A	30% DESIGN DRAWINGS	02/10/23
B	60% DESIGN DRAWINGS	05/05/23
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DATE ISSUED:	05/20/23
REVIEWED BY:	LMR
DRAWN BY:	AMC
DESIGNED BY:	LMR
BRA PROJECT NUMBER:	22023

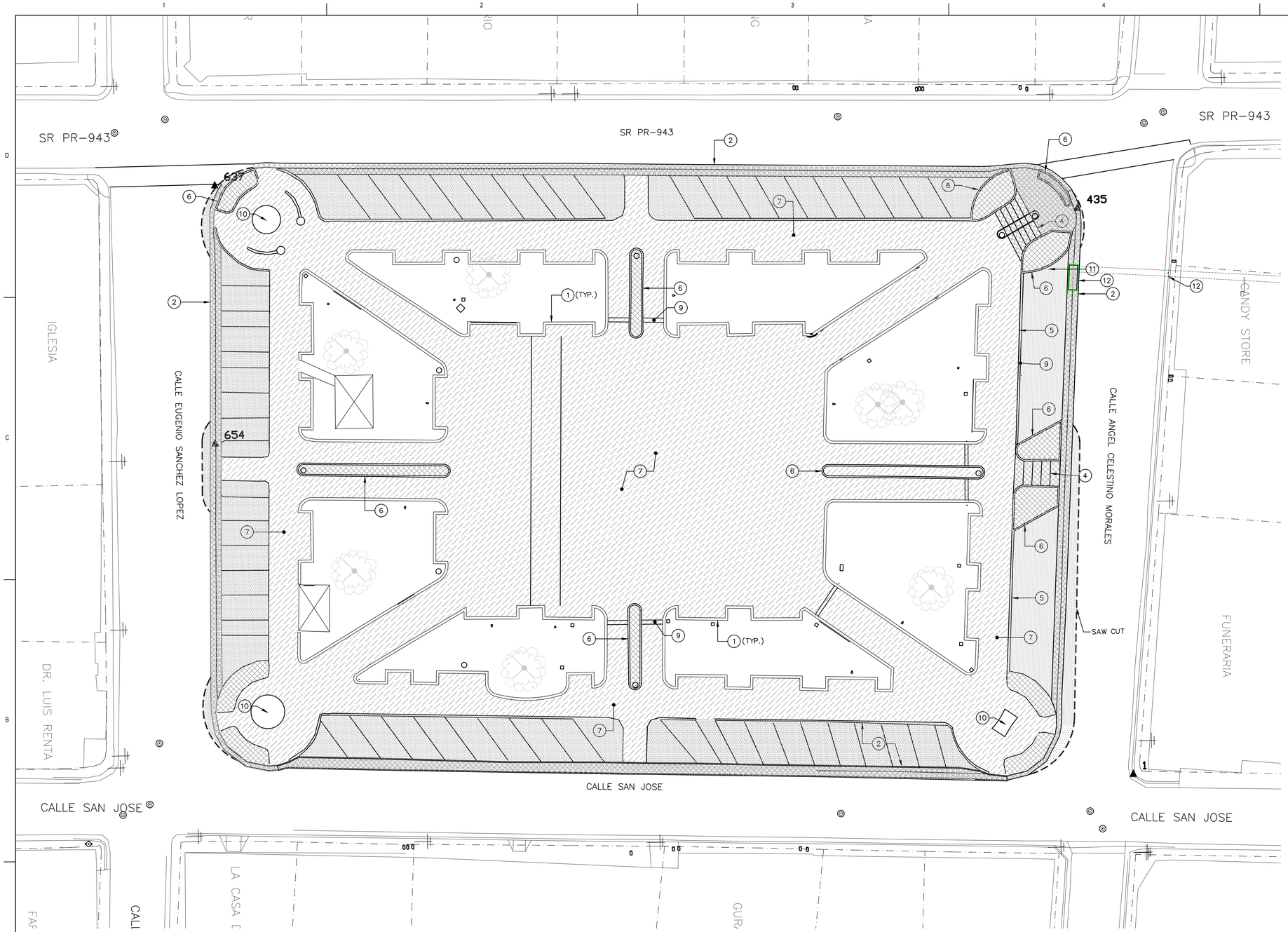
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TYPICAL
SECTIONS

SHEET ID

C002

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LEGEND:

- SAW CUT
- STRUCTURE TO BE DEMOLISHED (SEE DEMOLITION LEGEND)
- EXISTING FLOOR TILE TO BE REMOVED
- ASPHALT PAVEMENT TO BE DEMOLISHED
- EXISTING TREE TO REMAIN
- 435 CONTROL POINTS (SEE TABLE OF COORDINATES ON THIS PLAN)

NOTES:

1. ALL DIMENSIONS AND ELEVATIONS ARE EXPRESSED IN METERS, UNLESS OTHERWISE NOTED.
2. AS-BUILT PLAN PREPARED BY LICENCED SURVEYOR RAFAEL A. POZO MORTAS, LIC.10028, DATED DECEMBER, 2022.

DEMOLITION LEGEND:

1. PLANTERS TO REMAIN (FOR TREATMENT SEE ARCH. DWGS.)
2. EXISTING CURB AND GUTTERS TO BE DEMOLISHED.
3. EXISTING PAVERS AND SIDEWALK TO BE REMOVED/DEMOLISHED.
4. EXISTING STAIRS TO BE DEMOLISHED.
5. EXISTING WALL TO BE DEMOLISHED.
6. EXISTING PLANTERS TO BE DEMOLISHED.
7. EXISTING SIDEWALK/CONCRETE SLAB TO BE DEMOLISHED.
8. EXISTING STREET LUMINARY TO BE REPLACED (REFER TO ELECTRICAL PLANS)
9. EXISTING GRATE TO BE REMOVED.
10. EXISTING MONUMENT TO REMAIN.
11. EXISTING SIAMESE TO BE REMOVED (DAMAGED).
12. STORM SEWER STRUCTURE TO REMAIN

CONTROL POINTS				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	246844.0818	248777.8749	50.6516	GCP
435	246839.5561	248720.5010	50.2891	GCP
637	246752.3085	248716.4638	53.3981	GCP
654	246751.8264	248742.5942	53.7552	GCP

EXISTING CONDITIONS AND DEMOLITION PLAN

SCALE: 1:200

2 0 5 10 15m

SCALE: 1:200

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PROJECT INFORMATION

PR-CRP-000549
REVITALIZATION OF
GURABO PUBLIC PLAZA

GURABO PUERTO RICO

REVISIONS

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A	30% DESIGN DRAWINGS	02/10/23
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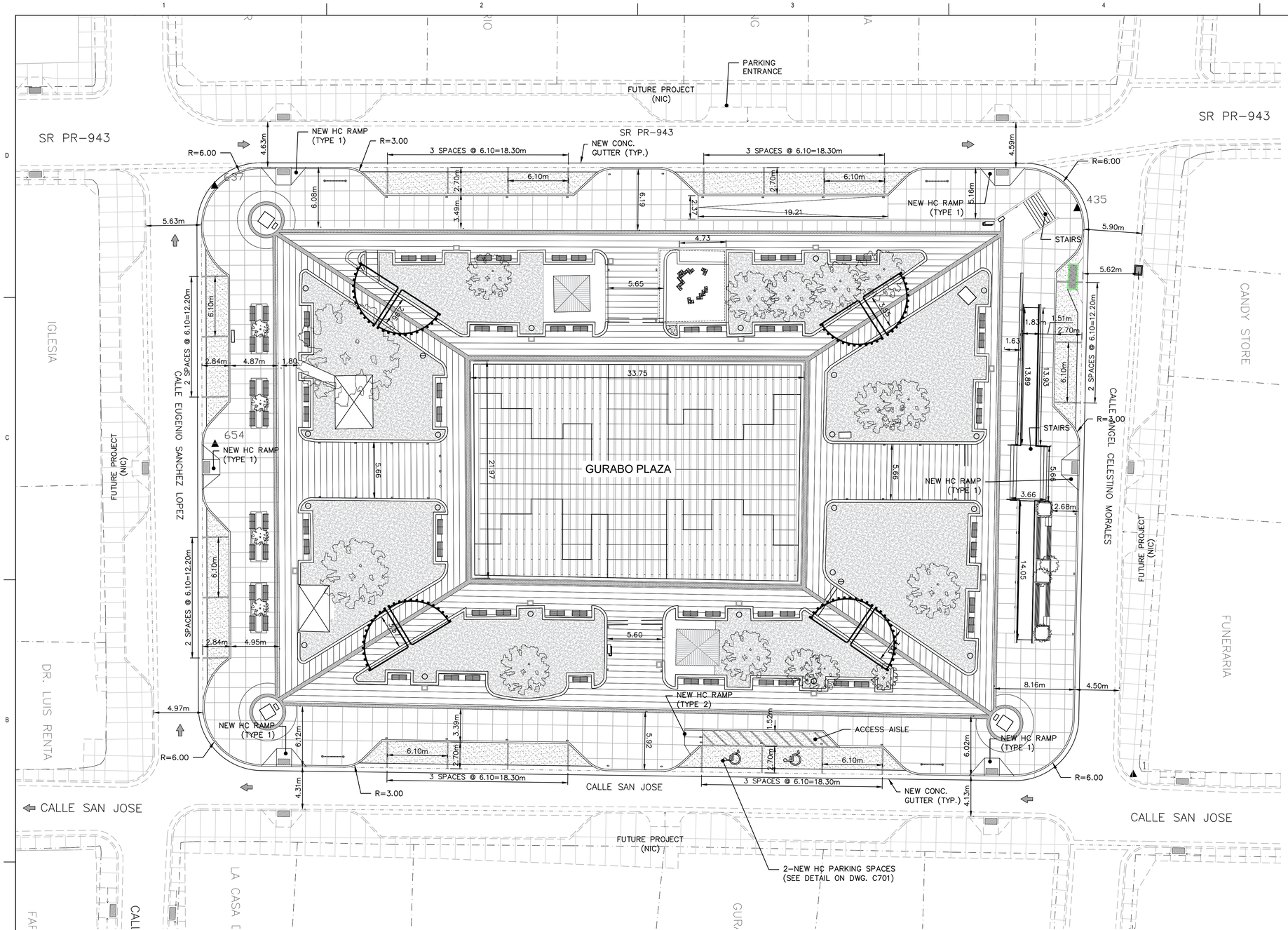
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EXISTING CONDITIONS AND DEMOLITION PLAN

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LEGEND:

- PROPERTY LIMIT
- NEW SIDEWALK WITH CONCRETE CURB AND GUTTER (SEE SECTION AND DETAILS ON DWG. C700)
- NEW HC RAMPS (SEE DETAILS ON DWG. C701)
- TRAFFIC DIRECTION
- FUTURE PROJECT (NEW SIDEWALK WITH CONCRETE CURB AND GUTTER) (N.I.C.)
- CONCRETE GUTTER (SEE DETAIL ON DWG. C700)
- ASPHALT PAVEMENT SECTION FOR PARALLEL PARKING (SEE DETAIL ON DWG. C700)

GENERAL SITE NOTES:

1. ALL DIMENSIONS AND ELEVATIONS ARE EXPRESSED IN METERS, UNLESS OTHERWISE NOTED.
2. REFER TO ARCH. PLANS FOR PLAZA IMPROVEMENTS PLANS AND DETAILS.
3. REFER TO DWG. C490 FOR EROSION AND SEDIMENTATION CONTROL DETAILS.
4. REFER TO MOT PLANS FOR MAINTENANCE OF TRAFFIC TYPICAL APPLICATIONS, NOTES AND DETAILS.
5. REFER TO ELECTRICAL PLANS FOR NEW LIGHTING POLES AND DETAILS.
6. REFER TO DWG. C700 AND C701 FOR TYPICAL SECTIONS AND DETAILS.
7. REFER TO DWG. C700 FOR PARALLEL PARKING SPACES DETAILS.
8. REFER TO DWGS. C800 AND C850 FOR PAVEMENT PARKING PLAN AND DETAILS.

LAYOUT PLAN
SCALE: 1:200

2 0 5 10 15m
SCALE: 1:200

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GURABO PUBLIC PLAZA

GURABO PUERTO RICO

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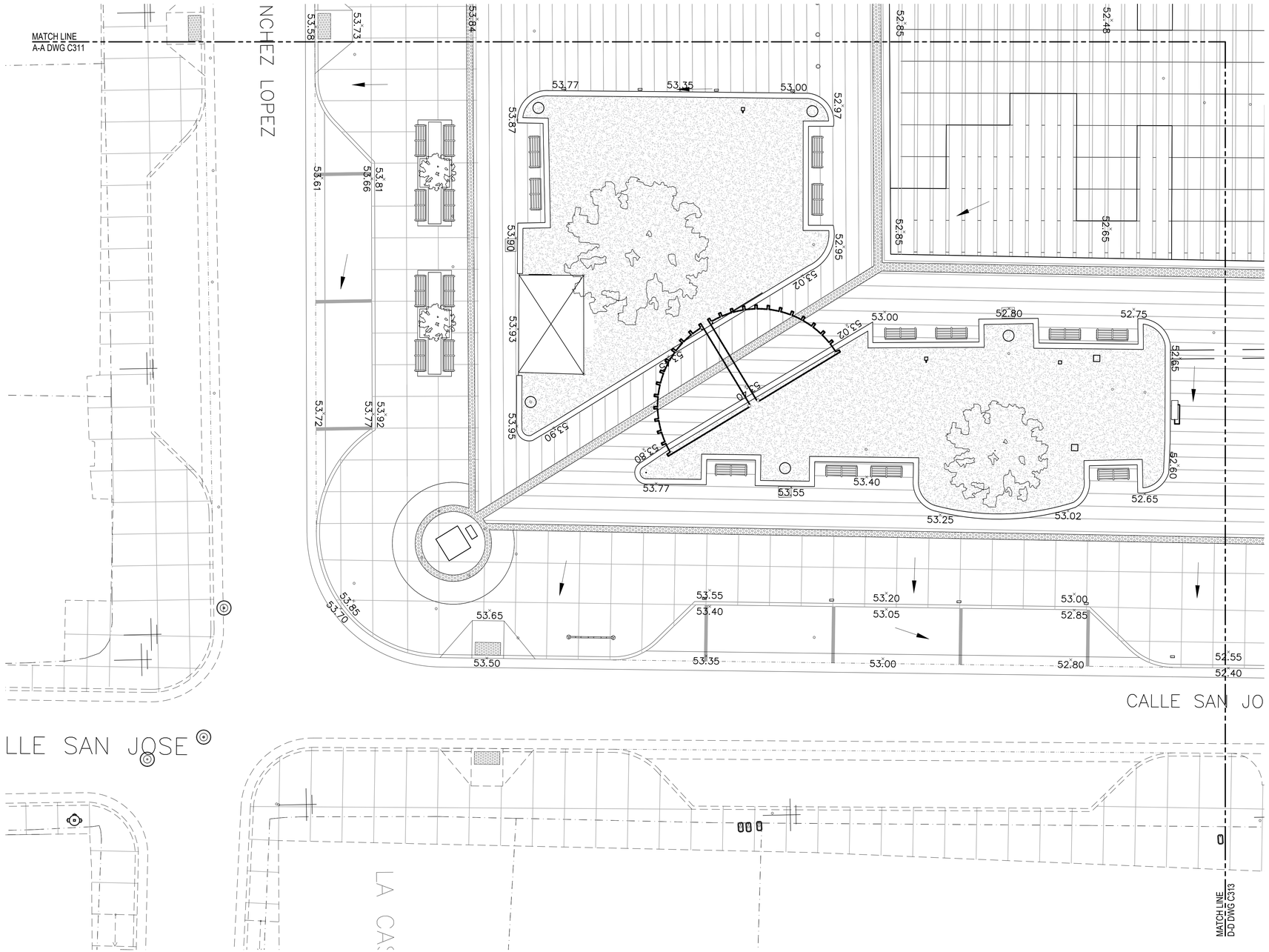
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LAYOUT PLAN

SHEET ID

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GRADING PLAN
SCALE: 1:100

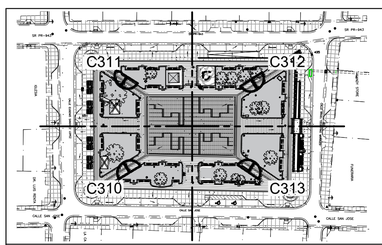
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SCALE: 1:100

LEGEND:

- PROPERTY LIMIT (CRIM)
- SWALE
- 52.42 EXISTING SPOT ELEVATION
- 12.2 PROPOSED SPOT ELEVATION
- FLOW DIRECTION
- SLOPE

NOTE:

1. ALL DIMENSIONS AND ELEVATIONS ARE EXPRESSED IN METERS, UNLESS OTHERWISE NOTED.



KEY PLAN
SCALE: N.T.S.

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GURABO PUBLIC PLAZA

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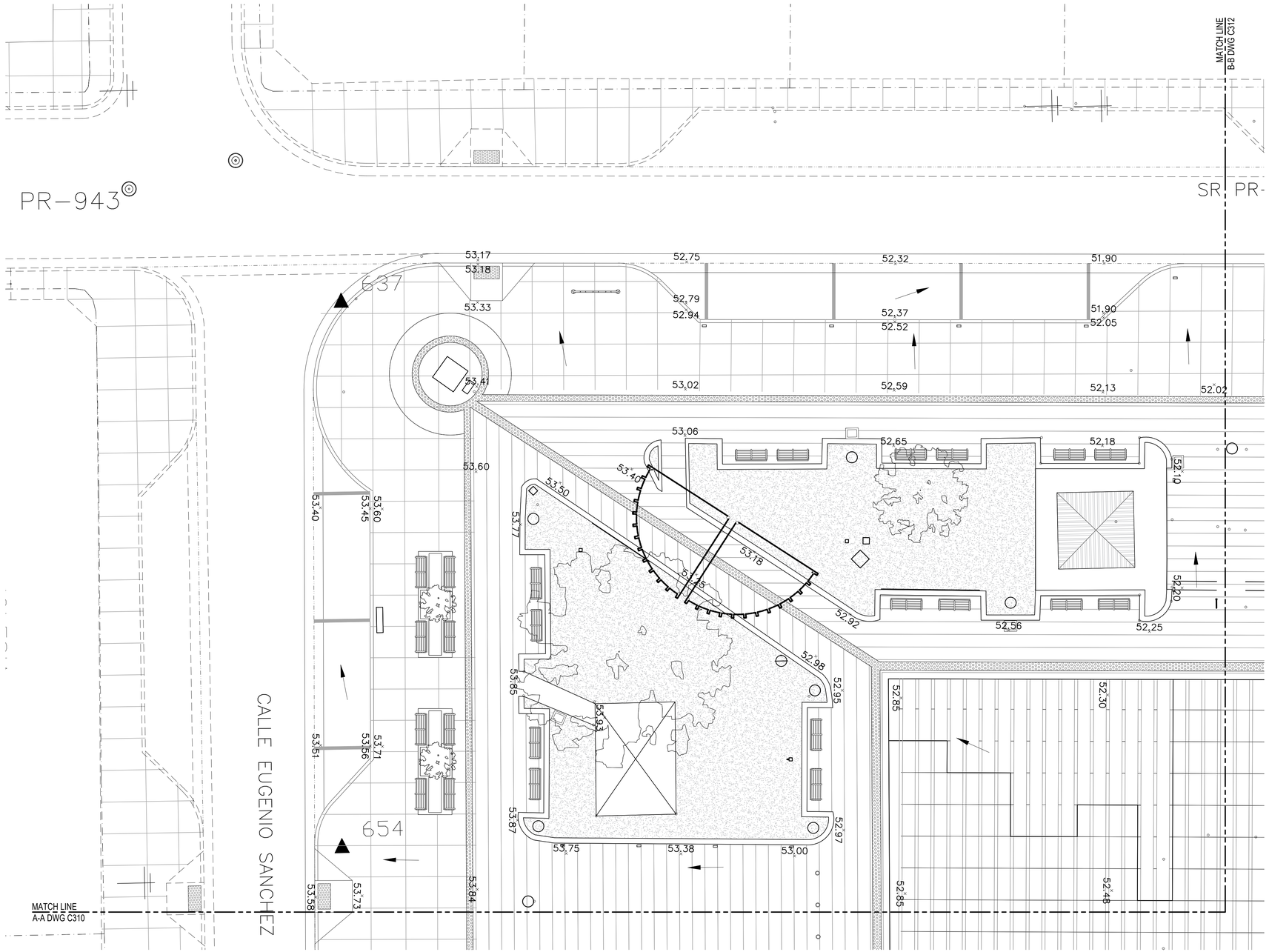
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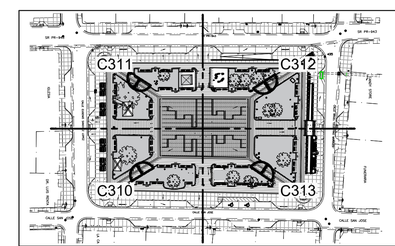
GRADING PLAN

SHEET ID

C310

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NOTE:

1. FOR LEGEND AND NOTES, SEE DWG. C310.

GRADING PLAN
SCALE: 1:100

.5 0 1 2 3 4 5m
SCALE: 1:100

KEY PLAN
SCALE: N.T.S.

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PROJECT INFORMATION

PR-CRP-000549
REVITALIZATION OF
GURABO PUBLIC PLAZA

GURABO PUERTO RICO

REVISIONS

NO.	DESCRIPTION	DATE

DATE ISSUED:	05/03/23
REVIEWED BY:	LMR
DRAWN BY:	AMC
DESIGNED BY:	LMR
BRA PROJECT NUMBER:	22023

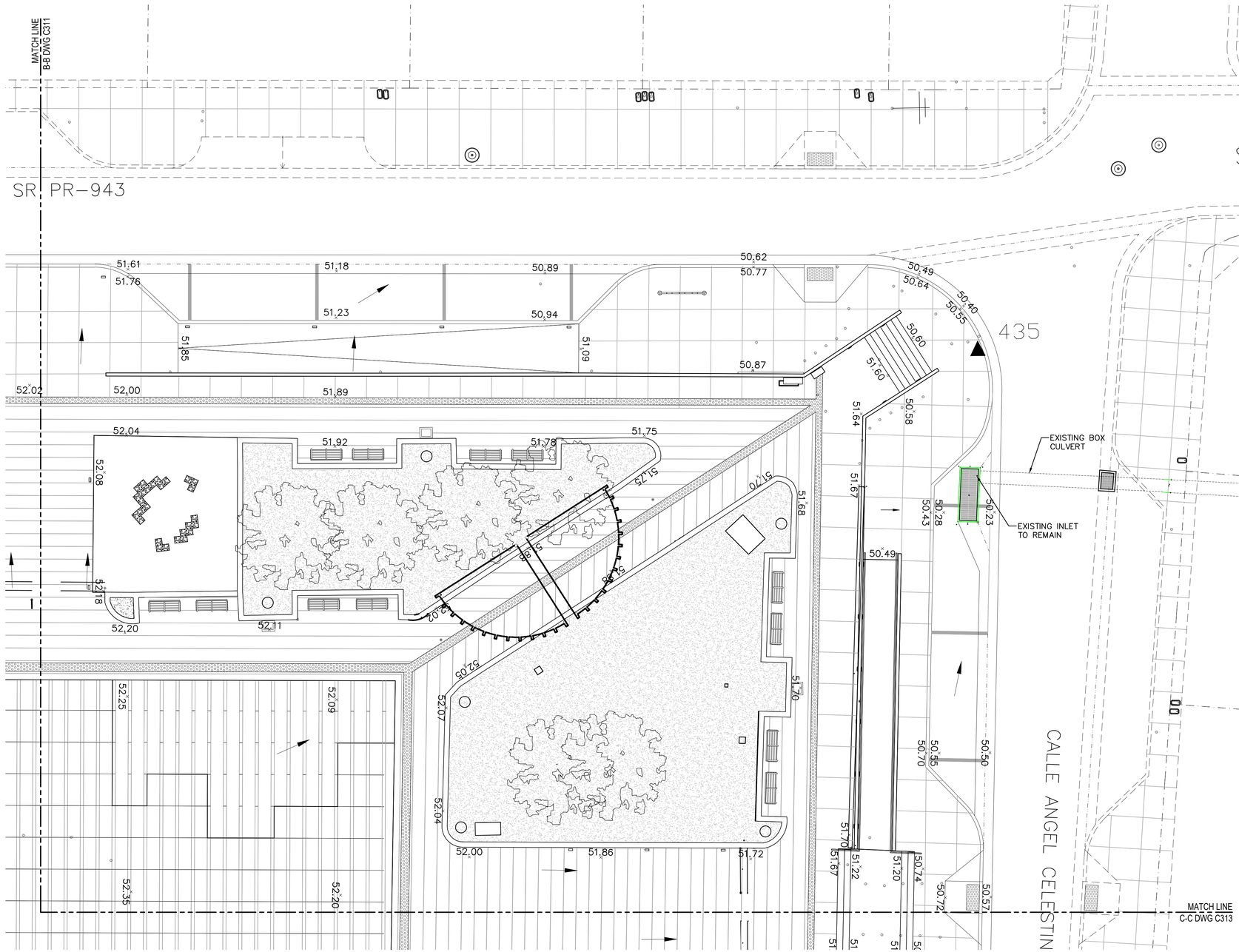
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GRADING PLAN

SHEET ID

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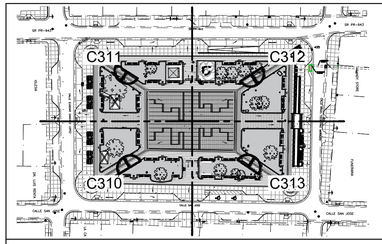


NOTE:

1. FOR LEGEND AND NOTES, SEE DWG. C310.

GRADING PLAN
SCALE: 1:100

.5 0 1 2 3 4 5m
SCALE: 1:100



KEY PLAN
SCALE: N.T.S.

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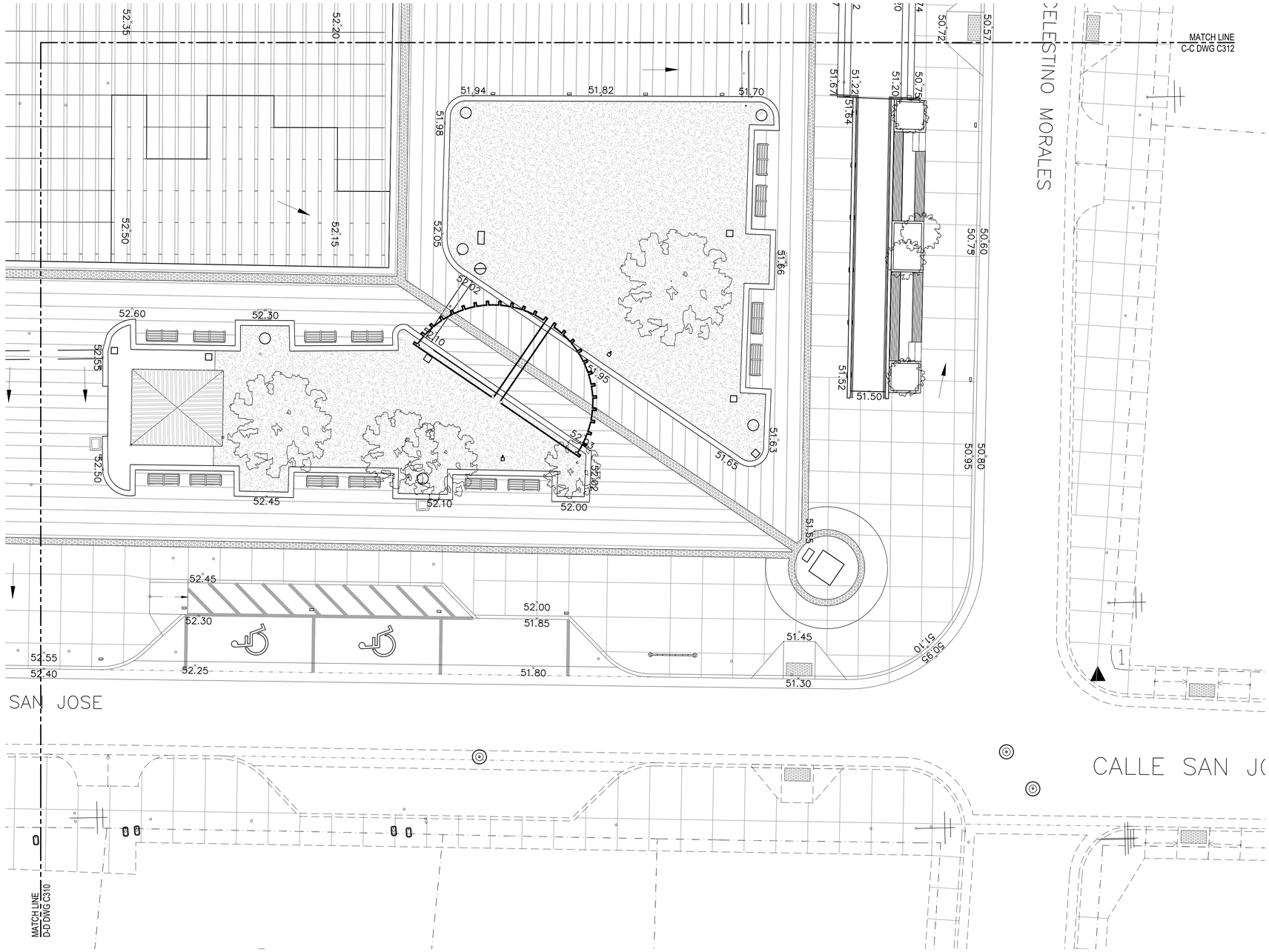
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GRADING PLAN

SHEET ID

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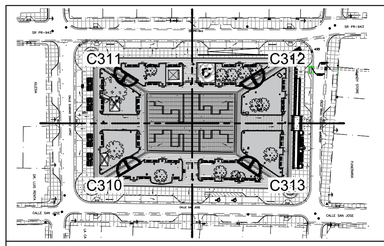


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GRADING PLAN
SCALE: 1:100

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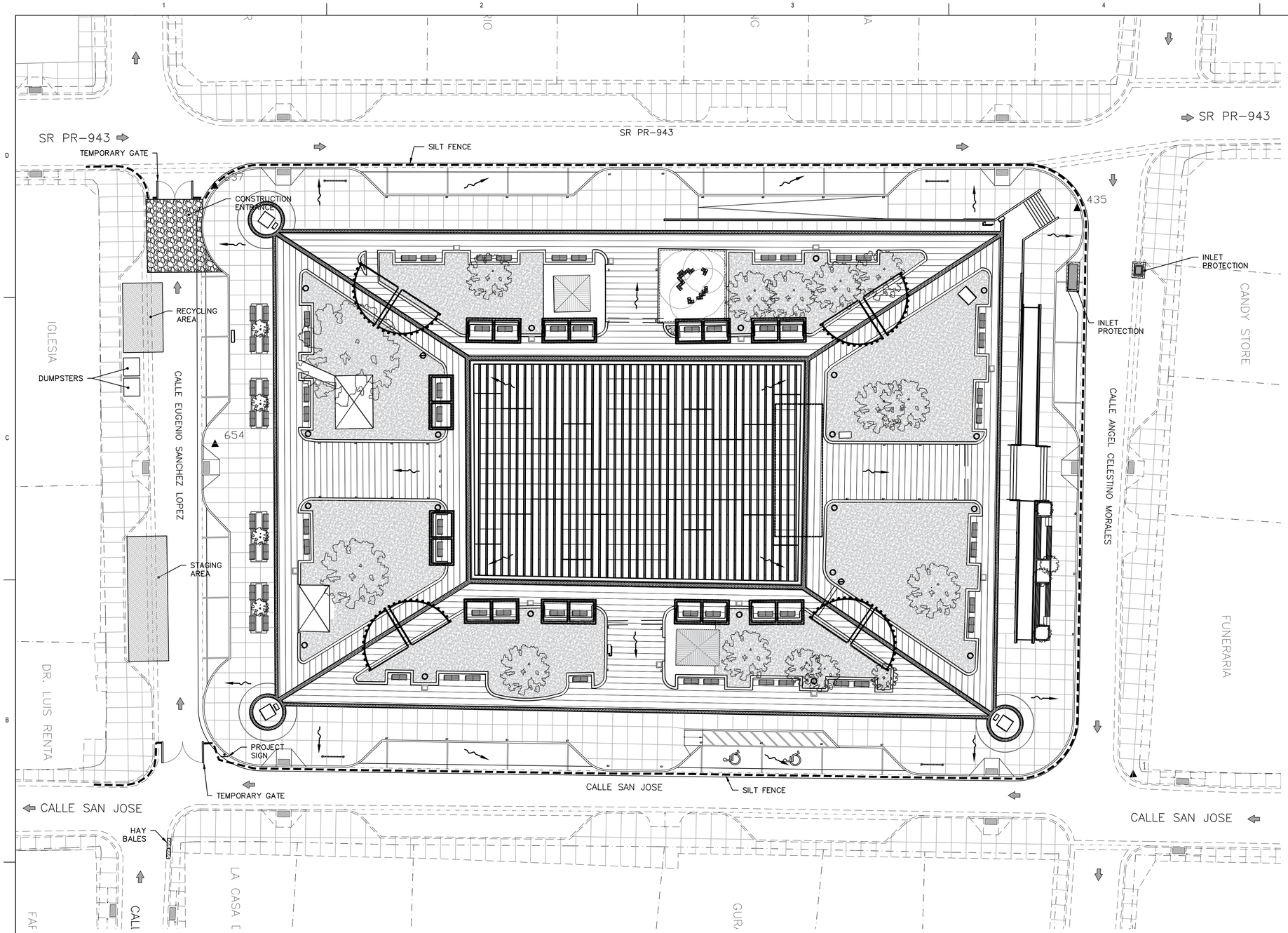
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GRADING PLAN

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LEGEND:

- INLET PROTECTION
- HAY BALES
- SILT SOCKS
- SILT FENCE
- STABILIZED CONSTRUCTION ENTRANCE
- FLOW DIRECTION
- 21.9113 EXISTING GRADE
- PROJECT SIGN

NOTES:

1. ALL DIMENSIONS AND ELEVATIONS ARE EXPRESSED IN METERS, UNLESS OTHERWISE NOTED.
2. FOR EROSION AND SEDIMENT CONTROL DETAILS AND NOTES, REFER TO DWG. C490.
3. ALL EROSION AND SEDIMENTATION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO COMMENCE WITH ANY DEMOLITION OR EXCAVATION, AND MAINTAINED THROUGHOUT THE DURATION OF THE CONSTRUCTION.

EROSION AND SEDIMENTATION CONTROL PLAN

SCALE: 1:200

2 0 5 10 15m

SCALE: 1:200

OWNER

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B	60% DESIGN DRAWINGS	05/05/23
C	90% DESIGN DRAWINGS	09/29/23
D	90% DESIGN DRAWINGS-R	01/24/24

DATE ISSUED:	02/22/23
REVIEWED BY:	LMR
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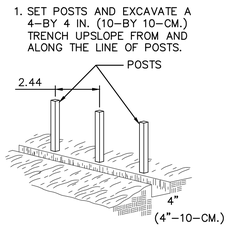
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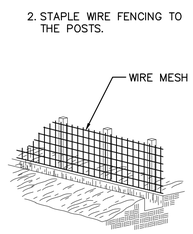
EROSION AND SEDIMENTATION CONTROL PLAN

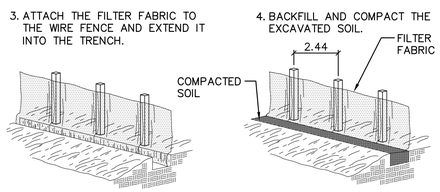
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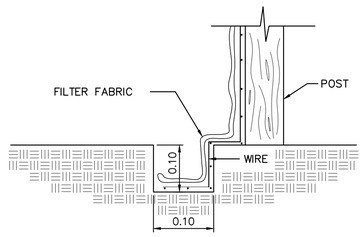
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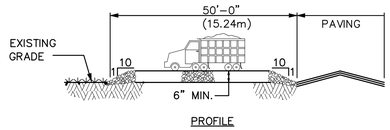




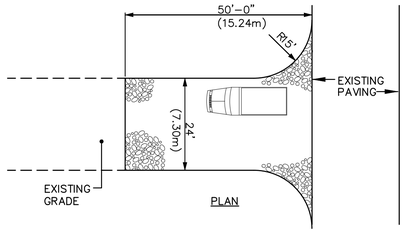




SILT FENCE CONSTRUCTION DETAILS
SCALE: NTS



PROFILE



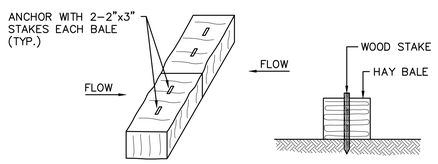
PLAN

SILT FENCE INSTALLATION DETAILS
SCALE: NTS

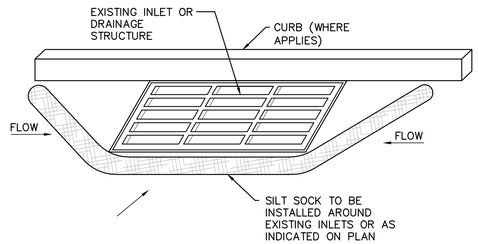
NOTES:

1. PROVIDE APPROPRIATE TRANSITION BETWEEN STABILIZED CONSTRUCTION ENTRANCE AND EXIST. PAVEMENT.
2. STONE SIZE: USE AASHTO M–43 SIZE No. 2 STONE.

STABILIZED CONSTRUCTION ENTRANCE
SCALE: NTS



HAY BALE INSTALLATION DETAILS
SCALE: NTS



SILT SOCK ON INLET DETAIL
SCALE: NTS

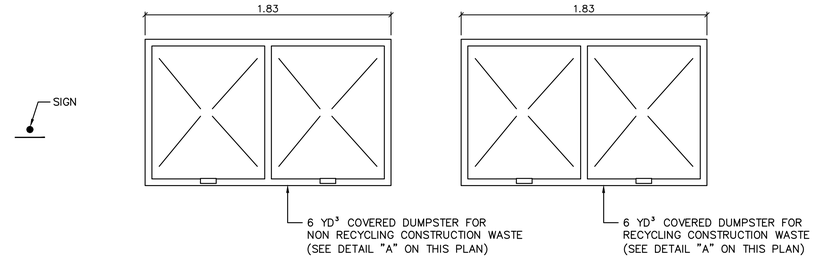


PROJECT SIGN DETAIL
SCALE: NTS

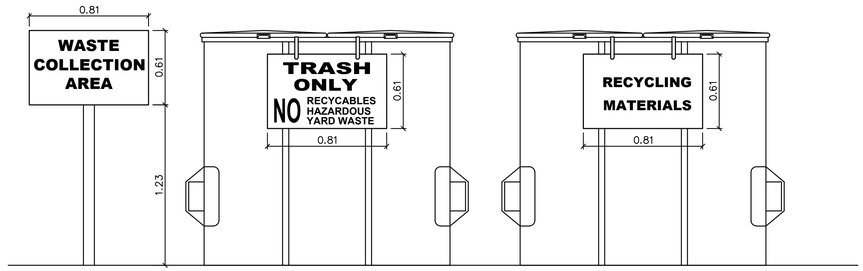
SIDEWALK IMPROVEMENTS
AROUND "PLAZA DE LOS PROCERES"

CES PLAN NOTES

1. THE CONTRACTOR SHALL PROTECT ALL CATCH BASINS, SWALES AND CHANNELS NEAR THE PROJECT AREA THAT COULD BE POTENTIALLY IMPACTED, PRIOR TO START ANY EXCAVATION. ALL MEASURES CAN BE REMOVED WHEN THE LOCAL CONSTRUCTION BE COMPLETED.
2. CONTRACTOR SHALL INSTALL EROSION CONTROL MEASURES IN THE PROJECT AREAS THAT COULD BE POTENTIALLY IMPACTED PRIOR TO START ANY CONSTRUCTION ACTIVITIES IN THAT AREA. THE CONTRACTOR COULD REMOVE THE CONTROL MEASURES WHEN THE AREA IS FULLY STABILIZED AS DETERMINED BY THE CES PLAN INSPECTOR.
3. CONTRACTOR SHALL INSPECT SEDIMENT BARRIERS AFTER EACH RAIN EVENT.REPAIRS SHALL BE DONE AS SOON AS POSSIBLE.SEDIMENT SHALL BE REMOVED FROM THE BARRIERS WHEN THEY REACH HALF THE HEIGHT OF THE BARRIER.
4. THE CONTRACTOR SHALL MAINTAIN THE INTEGRITY OF THE STABILIZED CONSTRUCTION ENTRANCE AS DETAILED ON THIS PLAN.
5. THE CONTRACTOR SHALL MAINTAIN A WATER TANK TRUCK TO SPRAY IT AROUND THE WORKING AREAS WHEN NEEDED OR WHEN THE PROJECT INSPECTOR REQUIRES IT. A WATER HOSE WILL BE INSTALLED NEAR STABILIZED CONSTRUCTION ENTRANCE TO WASH THE CONSTRUCTION VEHICLES WHEELS.
6. THE CONTRACTOR SHALL STRICTLY FOLLOW THE GUIDELINES STATED AT THE CES PLAN APPROVED BY THE ENVIRONMENTAL QUALITY BOARD.
7. THE CONTRACTOR SHALL DISPOSE ALL WASTE MATERIALS AT AN APPROVED LANDFILL.
8. THE CONTRACTOR SHALL RESTORE PAVED AREAS AND RE–SEED GRASS AREAS AS SOON AS POSSIBLE OR AS INSTRUCTED BY THE PROJECT INSPECTOR.
9. ANY MODIFICATION PROPOSAL TO THE CES PLAN SHALL BE CONSULTED WITH THE DESIGNER IN ORDER TO AMEND THE APPROVED PLAN.
10. A SIGN SHALL BE INSTALLED AT EACH PROJECT ENTRANCE AS PER CONSOLIDATED GENERAL PERMIT CONDITION NUMBER 2.
11. CONTRACTOR CAN CHOOSE TO INSTALL DIFFERENT METHODS TO ACHIEVE THE REQUIRED PERFORMANCE.



PLAN VIEW



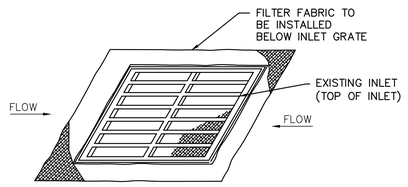
TRASH ONLY
DUMPSTER SIGN SPECS

- 5/8" PAINTED BOARD
- 6" METAL HANGER
- RED LETTERS

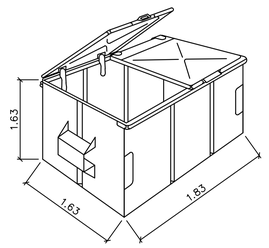
RECYCLING MATERIALS

- 5/8" PAINTED BOARD
- 6" METAL HANGER
- RED LETTERS

FRONT VIEW



INLET PROTECTION DETAIL
SCALE: NTS



DETAIL "A"

DUMPSTER AND RECYCLING AREA DETAILS
SCALE: NTS

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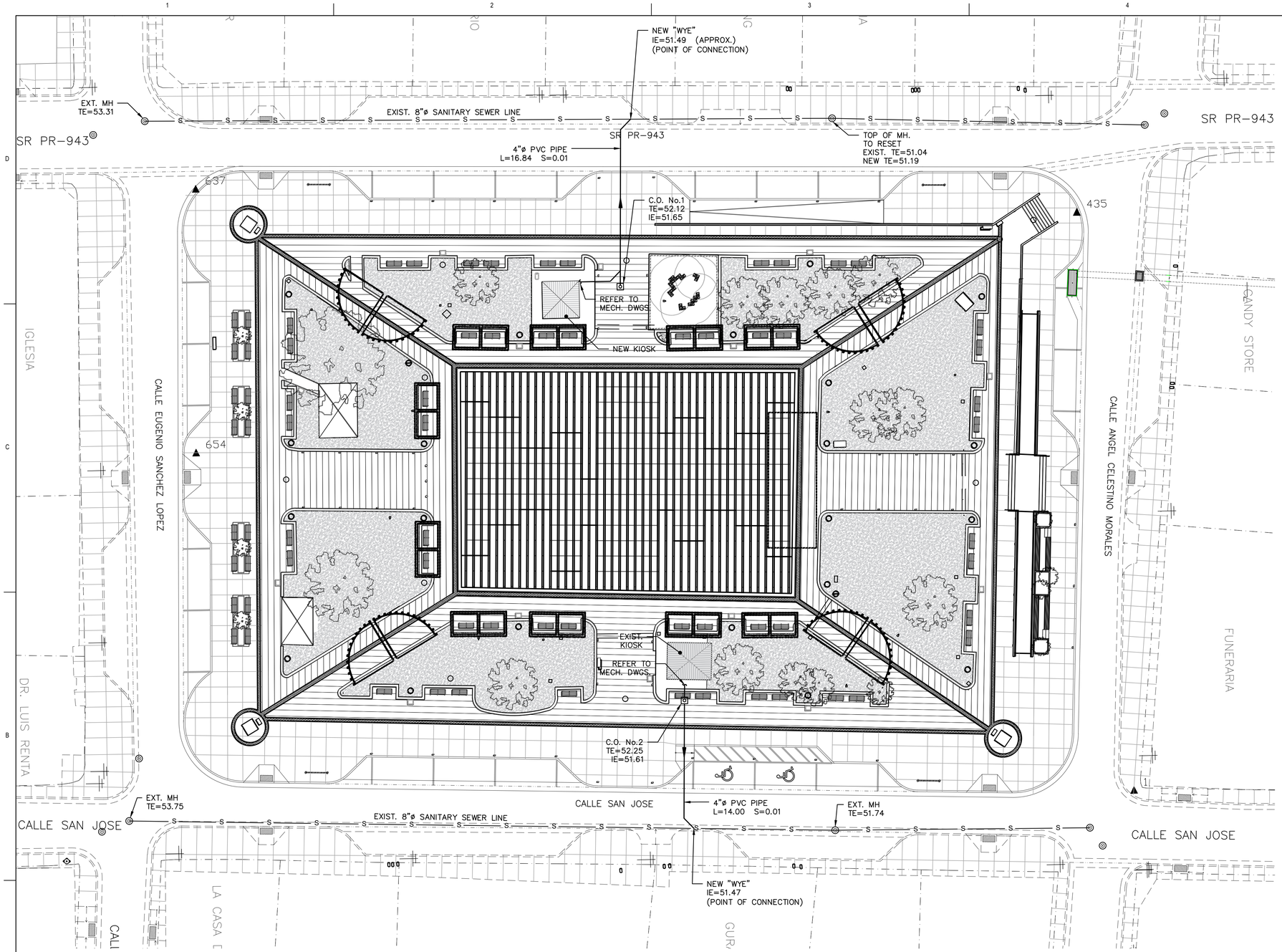
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EROSION AND SEDIMENTATION CONTROL DETAILS

SHEET ID

C490

1/24/2024 12:09:38 PM C:\Users\Luz M. Rodriguez\OneDrive - Benitez Ramos & Associates\02-Design Projects\22023-Gurabo-A&E Plaza-Aceras_Esc\07-Project Design\01-Civil Plaza\C490.dwg



LEGEND:

- EXISTING 8" ø SANITARY SEWER LINE
- NEW 4"ø SANITARY SEWER LINE (PVC SDR-35)
- EXISTING SANITARY MANHOLE
- NEW CLEANOUT
- PROPERTY LIMIT

NOTES:

1. ALL DIMENSIONS AND ELEVATIONS ARE EXPRESSED IN METERS, UNLESS OTHERWISE NOTED.
2. LOCATION OF EXISTING UTILITIES IS APPROXIMATED. CONTRACTOR SHALL VERIFY THE EXACT LOCATION WATER, SANITARY SEWER AND OTHER UTILITIES WITHIN THE PROJECT AREA PRIOR TO COMMENCE THE DEMOLITION WORKS.
3. FOR SANITARY SEWER DETAILS, REFER TO DWG. C520.

PRASA GENERAL NOTES:

1. ALL SANITARY MANHOLES SHALL BE INTERNALLY PAINTED WITH AN EPOXY COATING-CEILGUARD 663.
2. THE HORIZONTAL DISTANCE BETWEEN THE SANITARY AND WATER HOUSE CONNECTIONS SHALL NOT BE LESS THAN FIVE (5) FEET. SHARING THE TRENCH IS NOT ALLOWED FOR THE INSTALLATION OF BOTH HOUSE CONNECTIONS.
3. THE CLEAN OUTS SHALL BE INSTALLED OUT OF ROADWAYS OR ACCESS RAMPS.
4. PRASA WILL BE RESPONSIBLE FOR THE SANITARY SEWER SYSTEM UP TO THE MANHOLE IDENTIFIED IN THE DRAWING AS "PRASA C.O.", THE OWNER OR HOMEOWNERS ASSOCIATION WILL BE RESPONSIBLE FROM THIS POINT FORWARD.
5. MANHOLES TO BE INSTALLED AT AREAS SUBJECT TO FLOODING SHALL HAVE WATERTIGHT FRAME AND COVER.
6. CAST IN PLACE MANHOLES ARE NOT ALLOWED. MANHOLES SHALL BE PRECAST BY AN AUTHORIZED MANUFACTURER AND A PURCHASE ORDER OR A MANUFACTURER CERTIFICATION SHALL BE SUBMITTED.
7. FOR THE PROJECT FINAL ACCEPTANCE, THE ROADWAY SHALL BE FULLY PAVED.
8. THE SANITARY HOUSE CONNECTIONS SHALL BE INSTALLED MAINTAINING A SAFE HORIZONTAL DISTANCE WITH ANY POWER EQUIPMENT.
9. THE INFILTRATION OR EXFILTRATION SHALL NEVER EXCEED FIFTY (50) GALLONS PER INCH OF PIPE DIAMETER PER MILE IN TWENTY FOUR (24) HOURS. THE CONTRACTOR IS FULLY RESPONSIBLE OF PROVIDING THE REQUIRED TESTING EQUIPMENT REQUESTED BY PRASA INSPECTOR.
10. ALL PIPES THAT FAIL TEST REQUIREMENTS SHALL BE REPAIRED BY THE CONTRACTOR AND TESTED UNTIL ALL REQUIREMENTS ARE FULFILLED AND APPROVED BY PRASA INSPECTOR.
11. PRASA RESERVES THE RIGHT OF REQUESTING ANY CHANGE THAT UNDERSTAND AS BENEFICIAL TO THE PROJECT OPERATION, AFTER THE ORIGINAL EVALUATION.
12. ALL DISTANCES ARE IN METERS UNLESS OTHERWISE SPECIFIED.
13. THE PROJECT OWNER MUST PAID A CONNECTION FEE EQUAL TO FIVE HUNDRED (500) DOLLARS PER EQUIVALENT HOUSING UNIT.
14. ANY CHANGE GENERATED AFTER THE PROJECT EVALUATION AND APPROVAL MUST BE CONSULTED TO PRASA IN ORDER TO ACHIEVE A NEW EVALUATION PRIOR ITS CONSTRUCTION.

SANITARY STRUCTURES TABLE OF COORDINATES		
STRUCTURES	X	Y
C.O. No.1	248723.7926	246788.2212
C.O. No.2	248768.0106	246799.6957

N

SANITARY SEWER SYSTEM PLAN

SCALE: 1:200

2 0 5 10 15m

SCALE: 1:200

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YO, LUZ M. RODRIGUEZ TORRES, LIC. 17504, CERTIFICO QUE SOY EL PROFESIONAL QUE CONFECCIONÓ Y/O DISEÑÓ Y/O PREPARÓ ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS, TAMBIÉN CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE 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 NÚM. 14 DEL 8 DE ENERO DE 2004, SEGÚN ENMENDADA, CONOCIDA COMO LEY PARA LA INVERCIÓN POR LA INDUSTRIA PUERTORRIQUEÑA Y CON LA (LEY NÚM. 319 DEL 15 MAYO DE 1938 , SEGÚN ENMENDADA; LEY NÚM. 96 DEL 6 DE JULIO DE 1978, SEGÚN ENMENDADA; SEGÚN APLIQUE). RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIONES DE LOS HECHOS QUE SE HAYA PRODUCIDO POR DESCONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MÍ, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR LA OGPE.

PROJECT INFORMATION

PR-CRP-000549
REVITALIZATION OF
GURABO PUBLIC PLAZA

GURABO PUERTO RICO

REVISIONS

NO.	DESCRIPTION	DATE

DATE ISSUED:	05/03/23
REVIEWED BY:	LMR
DRAWN BY:	AMC
DESIGNED BY:	LMR
BRA PROJECT NUMBER:	22023

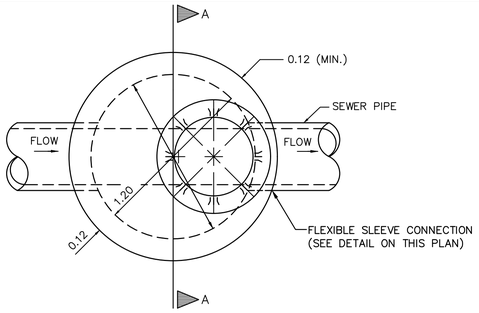
SHEET TITLE

SANITARY SEWER SYSTEM PLAN

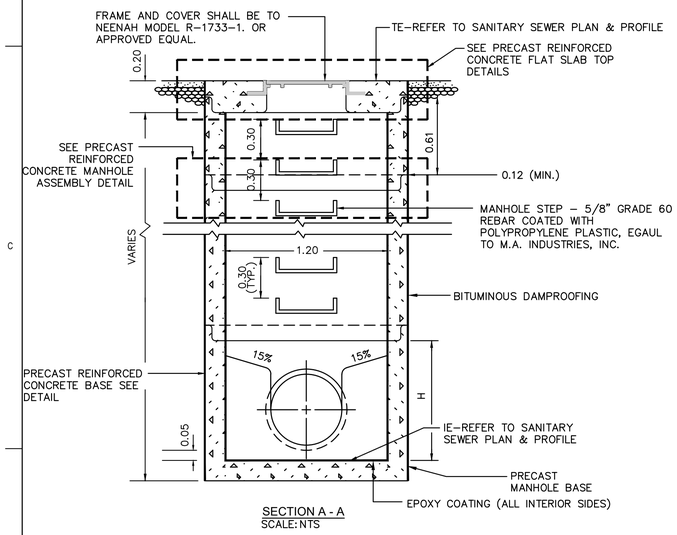
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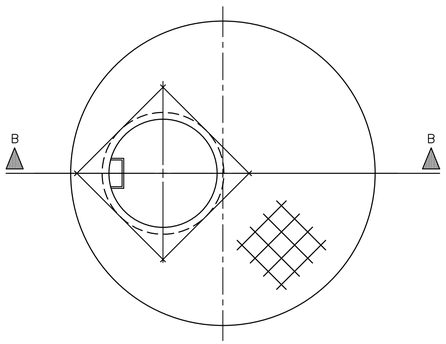
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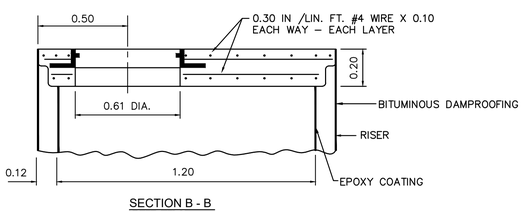
PLAN
SCALE: NTS



SECTION A - A
SCALE: NTS

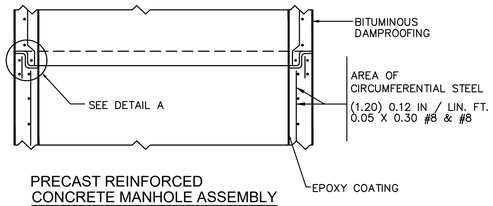


PLAN
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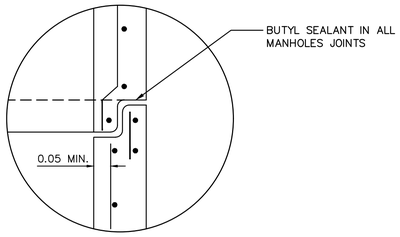


SECTION B - B
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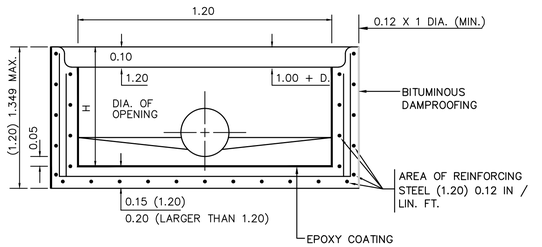
PRECAST REINFORCED CONC. FLAT SLAB TOP DETAIL
SCALE: NTS



PRECAST REINFORCED CONCRETE MANHOLE ASSEMBLY
SCALE: NTS



DETAIL A
SCALE: NTS

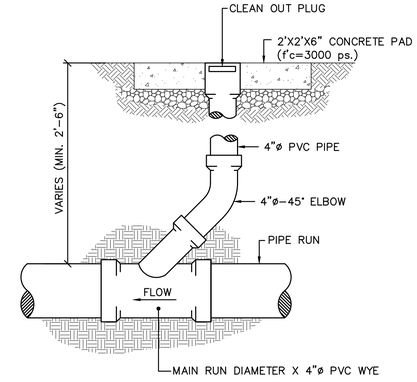


PRECAST REINFORCED CONCRETE BASE SECTION DETAIL
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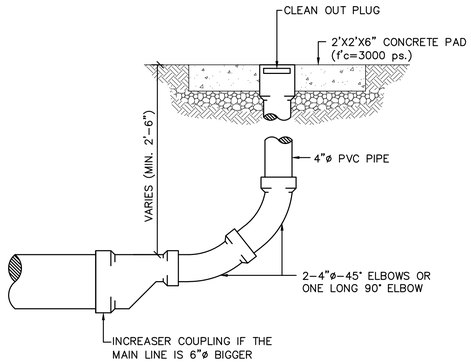
NOTES

1. ALL DIMENSIONS AND ELEVATIONS ARE EXPRESSED IN METERS, UNLESS OTHERWISE NOTED.
2. ON ASPHALT ROADS THE MANHOLE TOP SLAB SHALL BE 1" LOWER THAN THE ROADWAY SURFACE. THIS AREA WILL BE COVERED BY THE ASPHALT PAVEMENT. CAUTION SHALL BE TAKEN TO KEEP THE C.I. FRAME AND COVER AT THE SURFACE LEVEL.
3. THE BOTTOM CHANNEL OF THE MANHOLE MUST HAVE THE SAME GRADIENT OF THE SEWER PIPE. LADDER RUNGS SHALL BE PLACED IN MANHOLE MORE THAN 0.90mt DEEP.
4. ALL MANHOLES COVERS SHALL BE WATER TIGHT.
5. MANHOLES EXTENDING MORE THAN 2 FT. OVER FINISHED GRADE SHALL HAVE EXTERIOR LADDER RUNGS.
6. SANITARY SEWER MANHOLES WITH DEPTH GREATER THAN 3.00M SHALL BE PROVIDED WITH ACCESS LADDER. INSTEAD OF THE MANHOLE STEP.

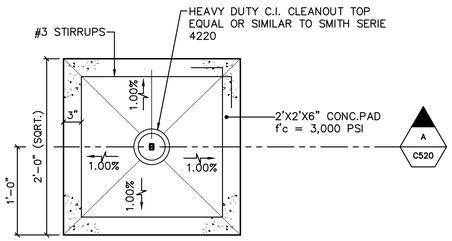
SANITARY MANHOLE TYPICAL DETAILS
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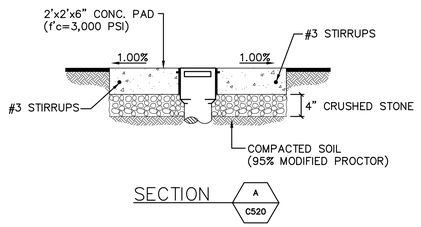
RUN CLEAN OUT DETAIL
SCALE: NTS



END CLEAN OUT DETAIL
SCALE: NTS



DETAIL



SECTION A C520

CLEANOUT TOP TYPICAL DETAILS
SCALE: NTS

CLEAN OUT TYPICAL DETAILS
SCALE: NTS

OWNER

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PROJECT INFORMATION

PR-CRP-000549
REVITALIZATION OF
GURABO PUBLIC PLAZA

GURABO PUERTO RICO

REVISIONS

NO.	DESCRIPTION	DATE

DATE ISSUED:	05/03/23
REVIEWED BY:	LMR
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DESIGNED BY:	LMR
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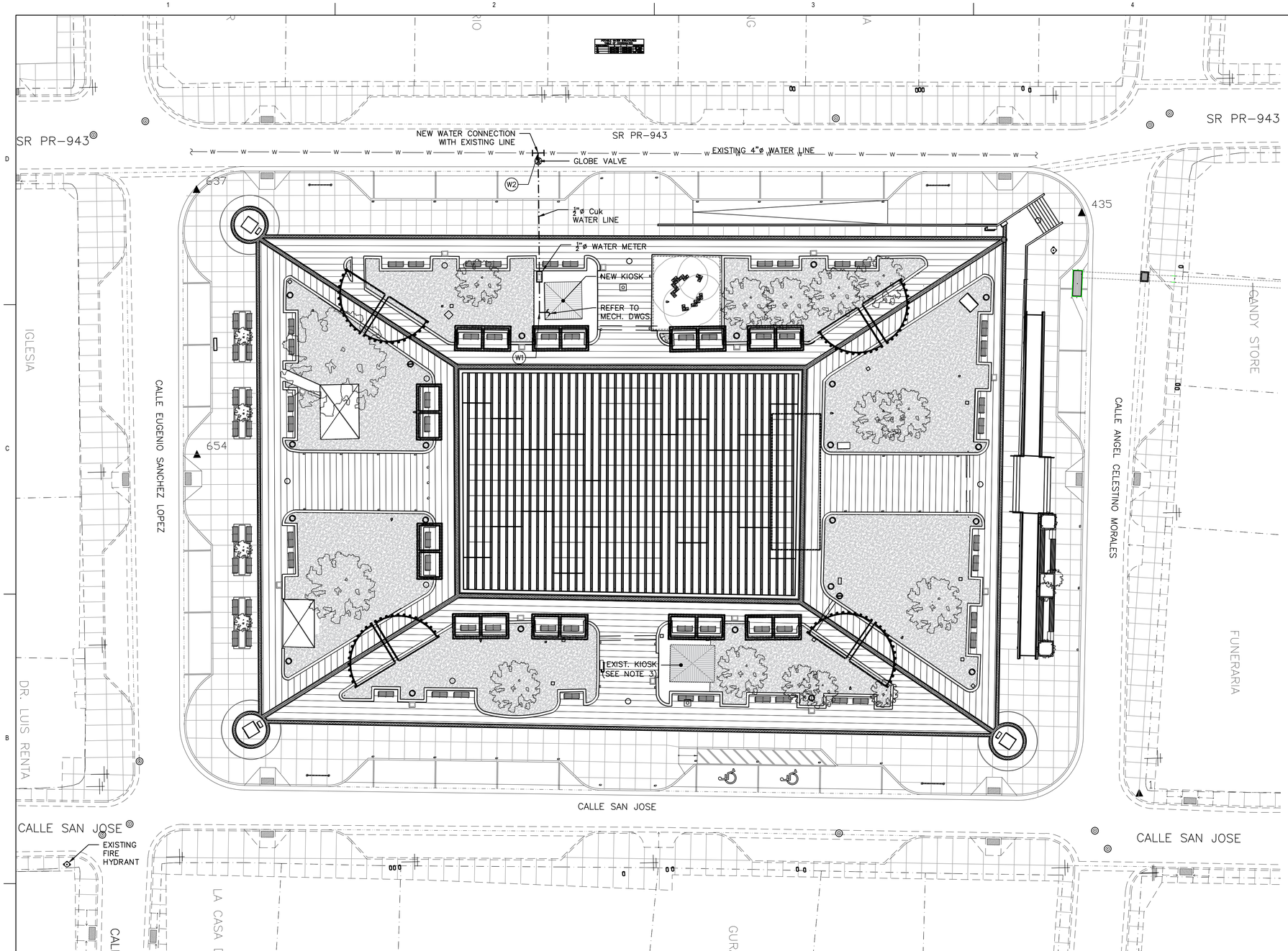
SHEET TITLE

SANITARY SEWER SYSTEM DETAILS

SHEET ID

C520

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POTABLE WATER SYSTEM PLAN
SCALE: 1:200

SCALE: 1:200

LEGEND:

- W — EXISTING WATER LINE
- NEW ½"ø Cuk WATER LINE
- PROPERTY LIMIT
- NEW GLOBE VALVE
- WATER METER BOX (DIAMETER AS SPECIFIED ON PLAN) (SEE DETAILS ON DWG. C640)
- EXISTING FIRE HYDRANT
- EXISTING WATER METER

NOTES:

1. ALL DIMENSIONS AND ELEVATIONS ARE EXPRESSED IN METERS, UNLESS OTHERWISE NOTED.
2. LOCATION OF EXISTING UTILITIES IS APPROXIMATED. CONTRACTOR SHALL VERIFY THE EXACT LOCATION WATER, SANITARY SEWER AND OTHER UTLITIES WITHIN THE PROJECT AREA PRIOR TO COMMENCE THE DEMOLITION WORKS.
3. EXISTING KIOSK IS CONNECTED TO PLAZA GURABO WATER SYSTEM.
4. FOR WATER SYSTEM DETAILS REFER TO DWG. C640.
5. REFER TO MECHANICAL DWGS. FOR KIOSK CONNECTION DETAILS.
6. NEW FIRE HYDRANT TO BE CONNECTED TO EXISTING WATER LINE AS PER PREVIOUS CONNECTION. REFER TO DWG. C650 FOR DETAILS.

POTABLE WATER STRUCTURES TABLE OF COORDINATES

STRUCTURES	X	Y	DESCRIPTION
W1	251715.3027	243739.3745	90° BEND
W2	251715.1782	243723.6329	TAPPING

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PR-CRP-000549
REVITALIZATION OF
GURABO PUBLIC PLAZA

GURABO PUERTO RICO

REVISIONS

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BRA PROJECT NUMBER:	22023

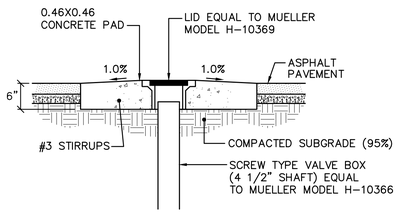
SHEET TITLE

POTABLE WATER SYSTEM PLAN

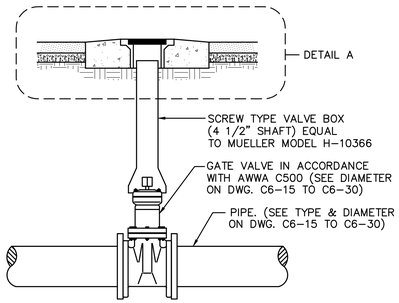
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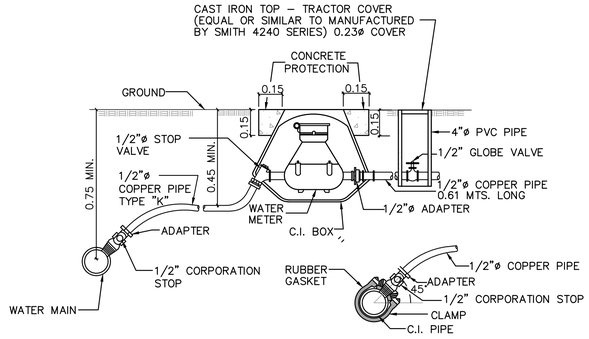
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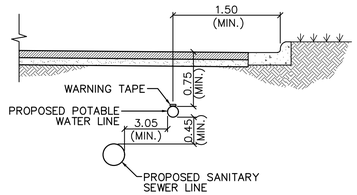
DETAIL A



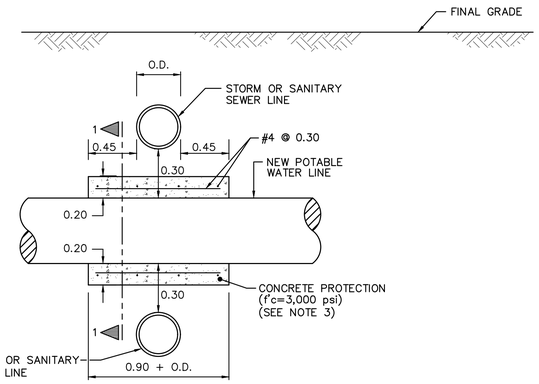
GATE VALVE DETAIL
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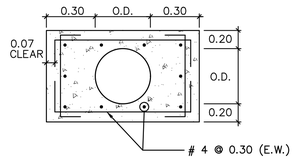


1/2" WATER METER CONNECTION DETAIL
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WATER INSTALLATION DETAIL
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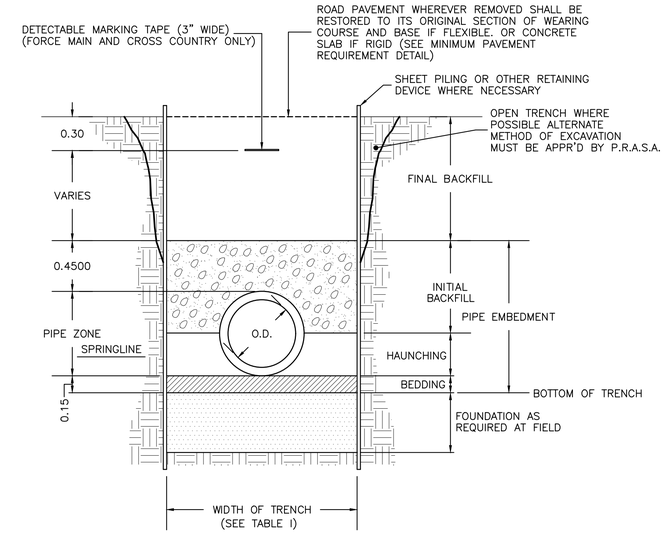


SECTION 1-1

NOTES:

1- COMPACT SUBGRADE AND PROVIDE BEDDING AS PER SPECIFICATIONS
2- WHEN POSSIBLE STORM SEWER LINES SHALL CROSS AT 0.30 VERTICAL DISTANCE FROM SANITARY SEWER LINES.
3- CONCRETE PROTECTION SHALL BE USED WHEN VERTICAL DISTANCE BETWEEN SANITARY FORCE LINE AND STORM SEWER LINE IS LESS THAN 0.45M
4- HORIZONTAL DISTANCE OF 3.05M SHALL BE MAINTAINED BETWEEN THE SANITARY AND POTABLE WATER PIPES.
5- ONE FULL LENGTH OF PIPE WITH JOINTS EQUIDISTANT FROM SEWER LINE.

CONCRETE PROTECTION DETAIL (TYP.)
SCALE: NTS



TRENCH DETAIL FOR P.V.C. PIPE
SCALE: NTS

TABLE I WIDTH OF TRENCH	
DIAMETER (INCHES)	*WIDTH OF TRENCH AT TOP OF PIPE (INCHES)
4" - 15"	O.D. + 24"

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 1/2". OUTSIDE PIPE DIAMETER.

NOTES:

FOUNDATION AND BEDDING:

1. MATERIALS AS CLASSIFIED BY USCS AS PER ASTM D-2487 SOILS CLASS "B" (OR A.A.S.H.T.O. A-1-a OR A-1-b) WHERE CRUSHED GRAVEL OR CRUSHED STONE IS USED IT SHALL PER ASTM C-33 GRADATION NO. 67.
2. FILL MATERIAL SHALL BE PLACED IN 0.15 MT. LAYERS.
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.

HAUNCHING:

1. SAME MATERIALS AS FOR FOUNDATION AND BEDDING.
2. FILL MATERIAL SHALL BE PLACED IN 0.15 MT. LAYERS.
3. COMPACT 70% OF MAX. RELATIVE DENSITY AS PER ASTM D-2049.

INITIAL AND FINAL BACKFILL-UNDER ROADS, STREETS, WALKS, APRONS AND OTHERS IMPROVED SURFACES:

1. ANY MATERIALS AS CLASSIFIED BY USCS AS PER ASTM D-2487 SOIL CLASS "B" (OR A.A.S.H.T.O. A-1-a THRU A-2-4) 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 AS PER ASTM D-2049 FOR GRANULAR SOILS. ROLLING EQUIPMENT NOT ALLOWED FOR WORKING BACKFILL MATERIAL IN THE INITIAL BACKFILL SECTOR.

GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY, INTEGRITY AND STABILITY OF PEOPLE, BUILDINGS, EMBANKMENTS, EXISTING PIPE LINES, OR ANY OTHER STRUCTURES IN THE VICINITY OF EXCAVATIONS OR ANY OTHER CONSTRUCTION OPERATIONS WHERE NECESSARY. SHEET PILING, FENCING, OR ANY OTHER DEVICE, TO INSURE THE PROTECTION OF SUCH PEOPLE OR STRUCTURES, SHALL BE INSTALLED.
2. OPEN TRENCH: SLOPE TO BE DETERMINED BY CONTRACTOR.
3. TRENCH PROTECTION: TO BE DETERMINED BY CONTRACTOR TO ENSURE PROTECTION OF ADJACENT STRUCTURES, TRENCH WALLS AND WORKING CREWS INSIDE AND OUT OF TRENCH.
4. GROUND OR PAVED SURFACES: TO BE REPLACED OR RESTORED IN ACCORDANCE TO THE SPECIFICATIONS.
5. DETECTABLE MARKING TAPE: SEE THE SPECIFICATIONS FOR INSCRIPTIONS.

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PROJECT INFORMATION

PR-CRP-000549
REVITALIZATION OF
GURABO PUBLIC PLAZA

GURABO PUERTO RICO

REVISIONS

NO.	DESCRIPTION	DATE

DATE ISSUED:	05/03/23
REVIEWED BY:	LMR
DRAWN BY:	AMC
DESIGNED BY:	LMR
BRA PROJECT NUMBER:	22023

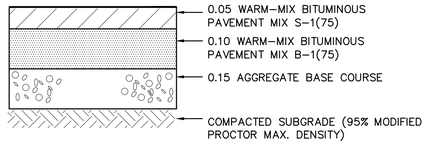
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POTABLE WATER AND FIRE PROTECTION DETAILS

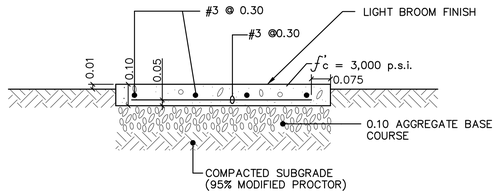
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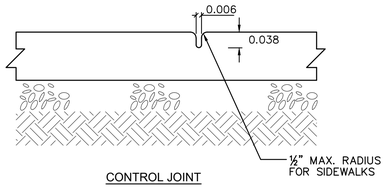
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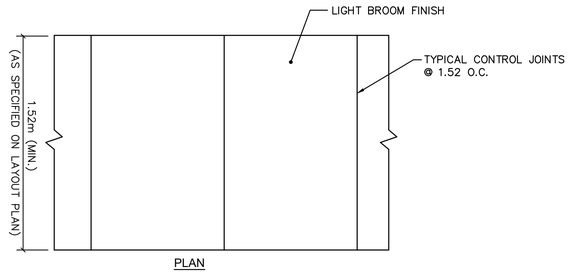
ASPHALT PAVEMENT FOR ROADWAY DETAIL
SCALE: NTS



SECTION



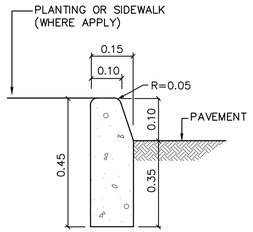
CONTROL JOINT



PLAN

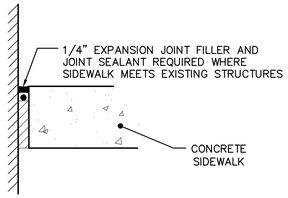
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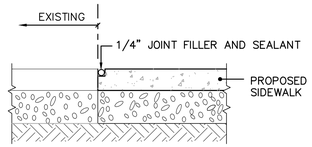
1. WHERE SIDEWALK ABUTS EXISTING OR PROPOSED FIXED OBJECTS (CURBS, CURB AND GUTTERS, CONCRETE PAVING, MANHOLES, OR BUILDINGS), INSTALL 12.7MM EXPANSION JOINT FILLER AND JOINT SEALANT.



CONCRETE CURB DETAIL
SCALE: NTS

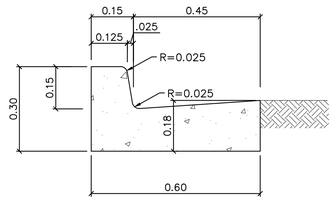
CONCRETE SIDEWALK DETAIL
SCALE: NTS



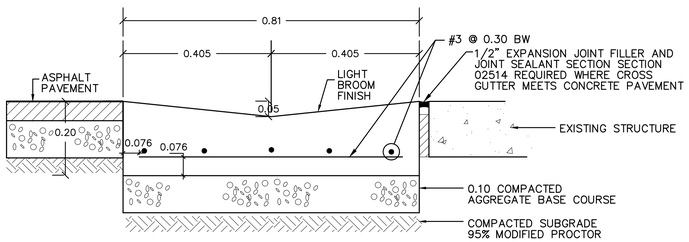


NOTE:

1. WHERE PROPOSED SIDEWALK ABUTS EXISTING SIDEWALKS INSTALL A 1/4" CONSTRUCTION JOINT WITH FILLER AND JOINT SEALANT.



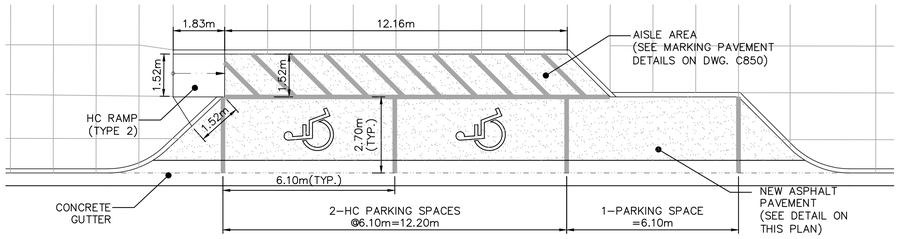
TYPICAL CURB AND GUTTER DETAIL
SCALE: NTS



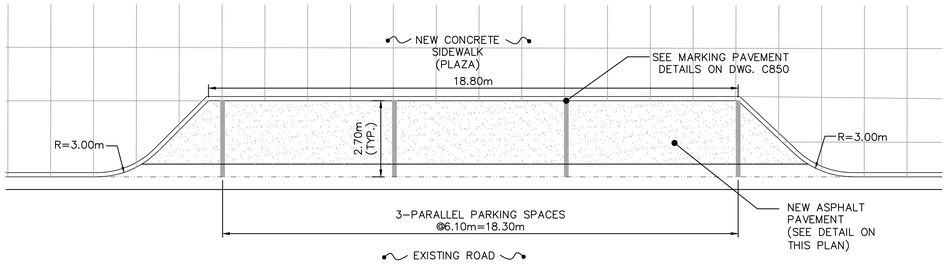
NOTE:
1. CONTROL JOINTS AT 1.50 ON CENTER.

CONCRETE GUTTER DETAILS
SCALE: NTS

CONSTRUCTION JOINT TYPICAL DETAILS
NOT TO SCALE



HC PARALLEL PARKING DETAIL
SCALE: NTS



PARALLEL PARKING (TYPICAL) DETAIL
SCALE: NTS

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PROJECT INFORMATION

PR-CRP-000549
REVITALIZATION OF
GURABO PUBLIC PLAZA

GURABO PUERTO RICO

REVISIONS

NO.	DESCRIPTION	DATE
A	30% DESIGN DRAWINGS	02/10/23
B	60% DESIGN DRAWINGS	05/05/23
C	90% DESIGN DRAWINGS	09/29/23
D	90% DESIGN DRAWINGS-R	01/24/24

DATE ISSUED:	02/22/23
REVIEWED BY:	LMR
DRAWN BY:	AMC
DESIGNED BY:	LMR
BRA PROJECT NUMBER:	22023

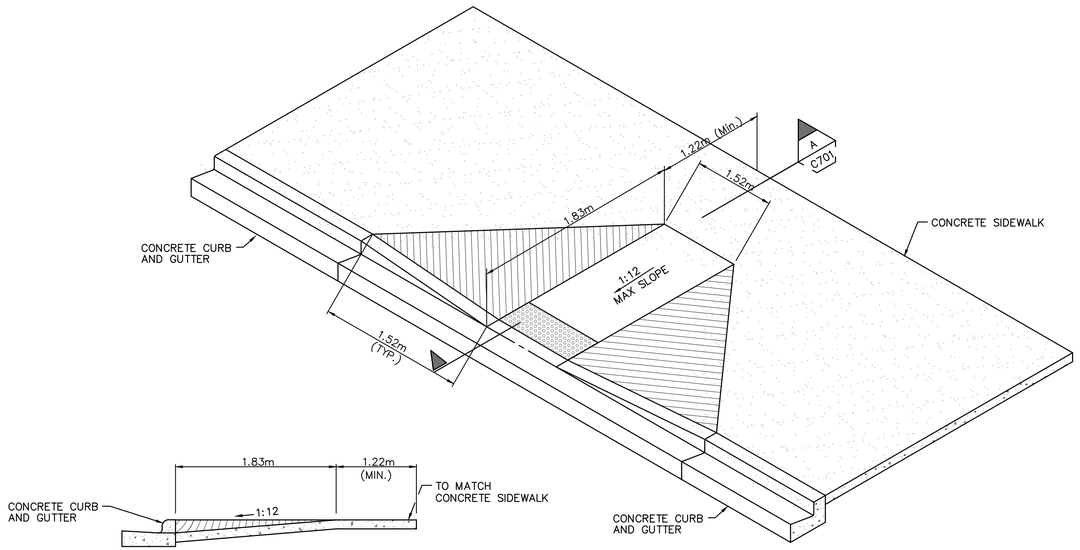
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TYPICAL SECTIONS AND DETAILS

SHEET ID

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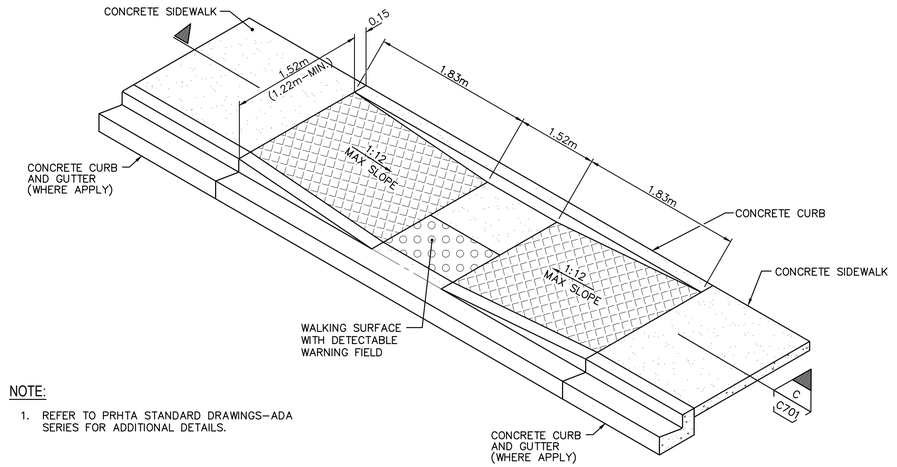
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SCALE: NTS
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C701

NOTE:

1. REFER TO PRHTA STANDARD DRAWINGS–ADA SERIES FOR ADDITIONAL DETAILS.

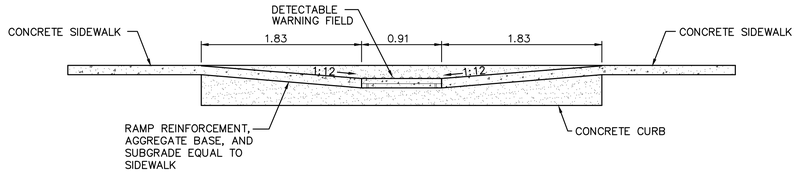
HANDICAPPED RAMP DETAIL (TYPE 1)

SCALE: N.T.S.



NOTE:

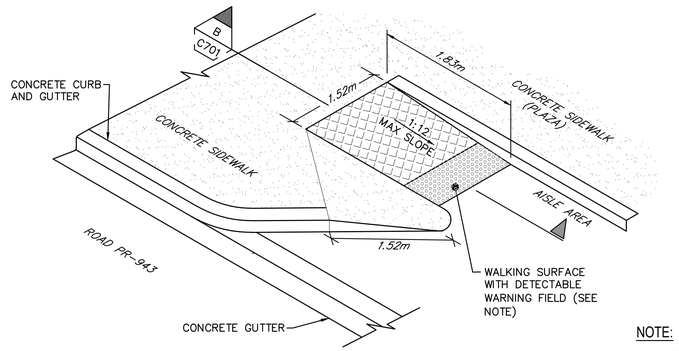
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SECTION
SCALE: NTS
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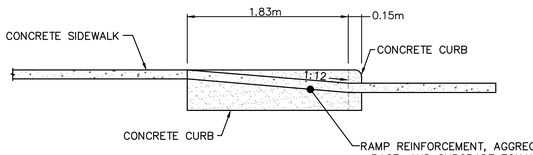
HANDICAPPED RAMP DETAIL (TYPE 3)

SCALE: N.T.S.



NOTE:

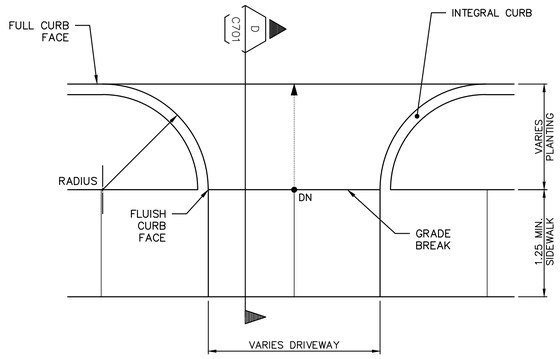
1. REFER TO PRHTA STANDARD DRAWINGS–ADA SERIES FOR ADDITIONAL DETAILS.



SECTION
SCALE: NTS
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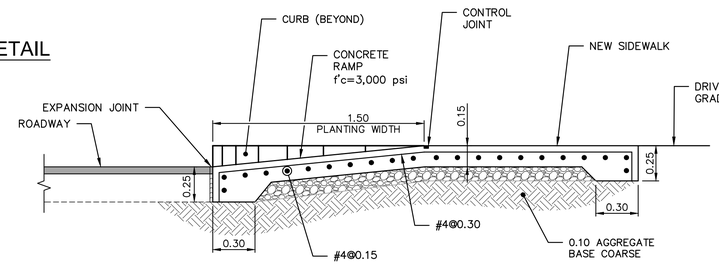
HANDICAPPED RAMP DETAIL (TYPE 2)

SCALE: N.T.S.



TYPICAL CURB CUT DRIVEWAY DETAIL

SCALE: N.T.S.



* NOTE:
1. DETAIL APPLIES AN ALL DRIVEWAYS AND ENTRANCES WITHIN THE PROJECT LIMIT, UNLESS OTHERWISE NOTED.

SECTION
SCALE: NTS
D
C701

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PROJECT INFORMATION

PR-CRP-000549
REVITALIZATION OF
GURABO PUBLIC PLAZA

GURABO PUERTO RICO

REVISIONS

NO.	DESCRIPTION	DATE
A	30% DESIGN DRAWINGS	02/10/23
B	60% DESIGN DRAWINGS	05/05/23
C	90% DESIGN DRAWINGS	09/29/23
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DATE ISSUED:	02/22/23
REVIEWED BY:	LMR
DRAWN BY:	AMC
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BRA PROJECT NUMBER:	22023

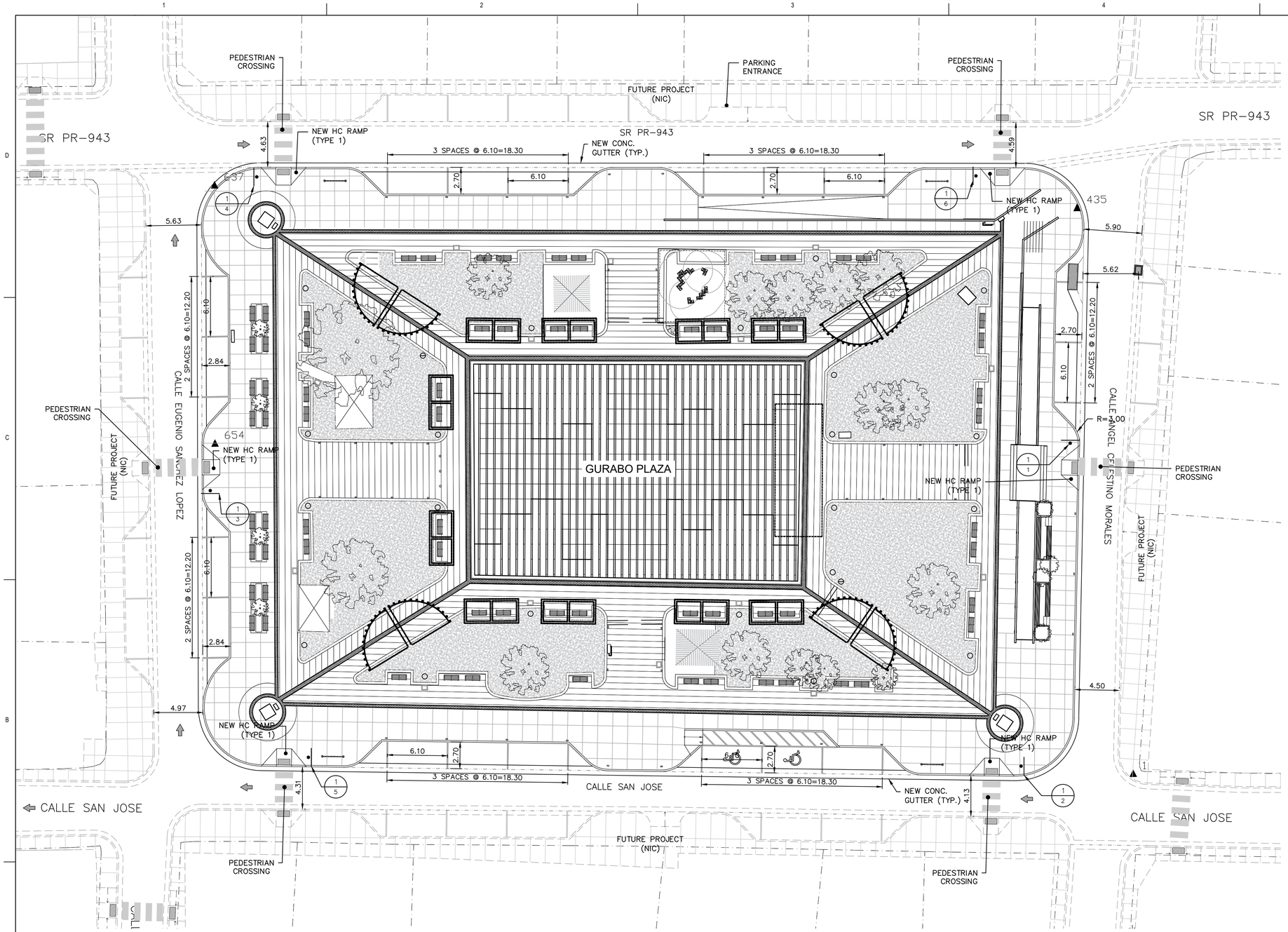
SHEET TITLE

TYPICAL
SECTIONS AND
DETAILS

SHEET ID

C701

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LEGEND:

- PROPERTY LIMIT
- NEW SIDEWALK WITH CONCRETE CURB AND GUTTER (SEE SECTION AND DETAILS ON DWG. C700)
- NEW HC RAMPS (SEE DETAILS ON DWG. C701)
- TRAFFIC DIRECTION
- FUTURE PROJECT (NEW SIDEWALK WITH CONCRETE CURB AND GUTTER) (N.I.C.)
- CONCRETE GUTTER (SEE DETAIL ON DWG. C700)
- SIGN ID
- SIGN LOCATION
- SIGN

GENERAL SITE NOTES:

1. ALL DIMENSIONS AND ELEVATIONS ARE EXPRESSED IN METERS, UNLESS OTHERWISE NOTED.
2. REFER TO ARCH. PLANS FOR PLAZA IMPROVEMENTS PLANS AND DETAILS.
3. REFER TO DWG. C490 FOR EROSION AND SEDIMENTATION CONTROL DETAILS.
4. REFER TO MOT PLANS FOR MAINTENANCE OF TRAFFIC TYPICAL APPLICATIONS, NOTES AND DETAILS.
5. REFER TO ELECTRICAL PLANS FOR NEW LIGHTING POLES AND DETAILS.

LAYOUT PLAN

SCALE: 1:200

2 0 5 10 15m

SCALE: 1:200

OWNER

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PR-CRP-000549
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GURABO PUBLIC PLAZA

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REVISIONS

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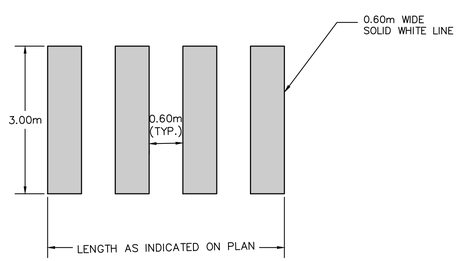
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SHEET ID

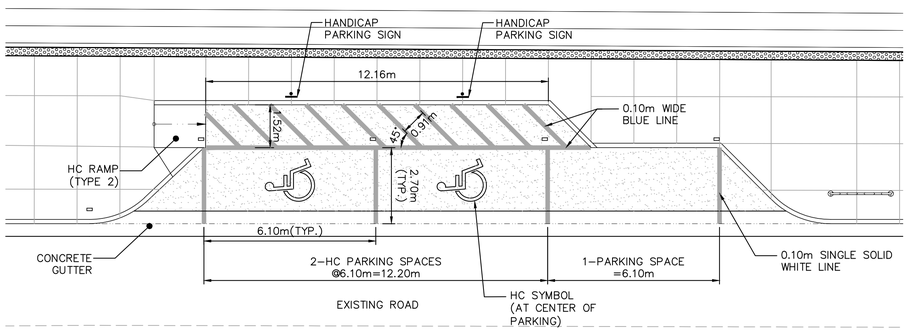
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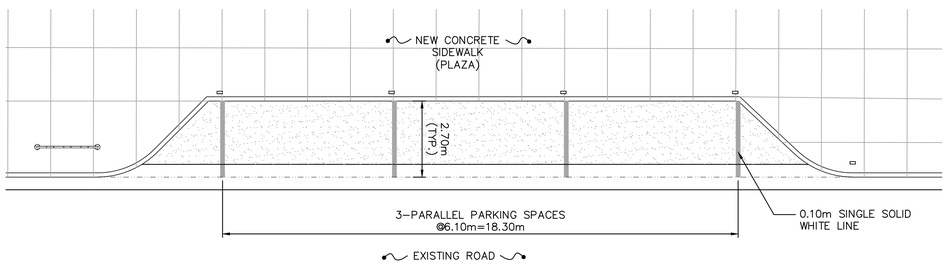
TRAFFIC SIGNS TABLE							
CODE No.	LOCATION No.	SIGN CODE	L E G E N D	SIZE OF SIGN PANELS	STRUCTURE TYPE	REFERENCE MANUAL	TOTAL ITEM
1	1,2.3,4,5,6	W11–2 W16–7P		36" X 36" 24" X 12"	N/A	M.U.T.C.D. 2009	6



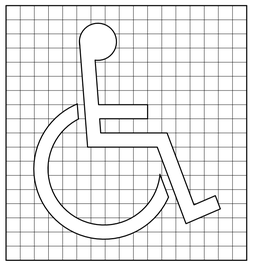
PEDESTRIAN CROSSING DETAIL
SCALE: NTS



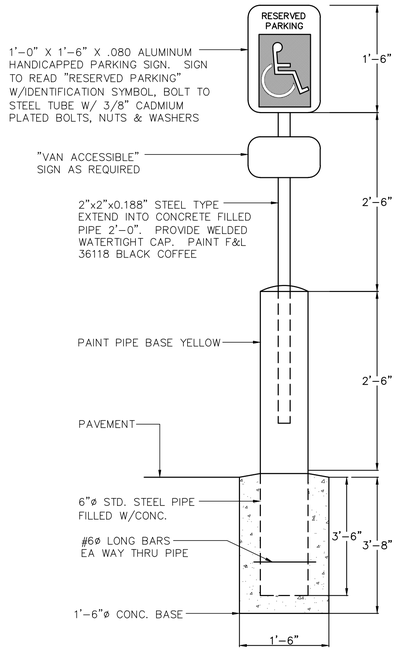
HC PARALLEL PARKING DETAIL
SCALE: NTS



PARALLEL PARKING (TYPICAL) DETAIL
SCALE: NTS



HANDICAP SYMBOL
PROPORTIONAL SCALE



HANDICAPPED PARKING SIGN
NOT TO SCALE

HANDICAPPED SYMBOL & PARKING SIGN DETAILS
NOT TO SCALE

OWNER

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CONSULTANT

SEAL

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PROJECT INFORMATION

PR-CRP-000549
REVITALIZATION OF
GURABO PUBLIC PLAZA

GURABO PUERTO RICO

REVISIONS

NO.	DESCRIPTION	DATE
A	30% DESIGN DRAWINGS	02/10/23
B	60% DESIGN DRAWINGS	05/05/23
C	90% DESIGN DRAWINGS	09/29/23
D	90% DESIGN DRAWINGS–R	01/24/24

DATE ISSUED:	02/22/23
REVIEWED BY:	LMR
DRAWN BY:	AMC
DESIGNED BY:	LMR
BRA PROJECT NUMBER:	22023

SHEET TITLE

SIGNING AND PAVEMENT MARKING DETAILS

SHEET ID

C850

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GENERAL NOTES:

1. NO WORK OTHER THAN MOBILIZATION, TRAFFIC CONTROL AND PROJECT OFFICE, SHALL BE PERFORMED UNTIL THE PROGRESS SCHEDULE IS APPROVED BY THE ENGINEER.

2. ALL TEMPORARY CONTROL DEVICES SHALL COMPLY WITH THE SUPPLEMENTAL SPECIFICATION NUMBER 638-"MAINTENANCE AND PROTECTION OF TRAFFIC" OF THE STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION, 2005 EDITION, AND WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES "MUTCD" 2009 (LATEST REVISED).

3. EQUIPMENT, MATERIALS AND OTHER DEVICES USED FOR CONSTRUCTION SHALL BE REMOVED FROM THE ROADWAY AFTER WORK HOURS AND SHALL BE STAGED A MINIMUM OF 10 METERS FROM THE TRAVEL WAY.

4. THE DRUM SPACING SHALL BE 2.50METERS. AN ALTERNATIVE FOR DRUMS IN NARROW STREET SEGMENTS, CONTRACTOR CAN USE ORANGE CONES, 28-IN HEIGHT MINIMUM AS PER MUTCD 2009, SECTION 6F-64.

5. ANY ALTERATION TO THE SCHEDULE THAT MAY IMPROVE TRAFFIC OPERATIONS WITHIN THE CONSTRUCTION AREA, IN ACCORDANCE WITH THE CURRENT MUTCD (2009) AND WITH NO ADDITIONAL COST TO THE AUTHORITY, SHALL BE SUBMITTED TO THE ENGINEER AT LEAST TWENTY ONE(21) CALENDAR DAYS IN ADVANCE TO THE PROPOSED DATE OF IMPLEMENTATION FOR REVIEW. IF THE PROPOSED ALTERATION IS APPROVED IT SHALL BE IMPLEMENTED AS DIRECTED BY THE ENGINEER.

6. THE CONTRACTOR CAN PERFORM, WITH THE APPROVAL OF THE ENGINEER, SEVERAL SIMULTANEOUS ACTIVITIES WITHIN A STAGE, AND AS PERMITTED BY THE CONTRACT PROPOSAL QUANTITIES ON THE TRAFFIC CONTROL ITEMS.

7. THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER THE INSTALLATION OF TEMPORARY TRAFFIC CONTROL DEVICES FOR EACH PHASE AT LEAST FOURTEEN (14) CALENDAR DAYS IN ADVANCE FOR THE RELEASE OF PUBLIC NOTICE. THE CONTRACTOR SHALL NOT COMMENCE ANY OF THE CONSTRUCTION PHASES WITHOUT A PUBLIC NOTICE IS ISSUED OR WITHOUT DIRECT CONSENT FROM THE ENGINEER.

8. THE CONSTRUCTION SIGNS INSTALLATION SHOULD BE IN ACCORDANCE TO THE TEMPORARY TRAFFIC SIGNS MOUNTING DETAILS, SHEET NO. MPT-23 OF THE PRHTA STANDARD DRAWING REV. JUNE 2012.

9. THE CONTRACTOR SHALL FURNISH TEMPORARY TRAFFIC CONTROL DEVICES THAT MEET THE NATIONAL COOPERATIVE HIGHWAY RESEARCH PROGRAM REPORT (NCHRP) 350 CRITERIA FOR THE APPLICABLE CRASH WORTHINESS STANDARD.

10. ALL TRAFFIC CONTROL SIGNS DETERMINED BY THE ENGINEER TO BE UNNECESSARY FOR THE APPLICABLE CONSTRUCTION OPERATION SHALL BE IMMEDIATELY COVERED IN ITS ENTIRETY WITH NON ABRASIVE MATERIAL AND SHALL BE INSPECTED DURING DAY AND NIGHT TIME TO ENSURE THAT THE SIGN IS NOT READABLE. THIS WORK IS A SUBSIDIARY OBLIGATION OF THE CONTRACT UNDER EXISTING PAY ITEMS.

11. DURING THE CONSTRUCTION OPERATIONS, THE CONTRATOR SHALL TAKE ALL THE NECESSARY PRECAUTIONS AND MEASURES TO AVOID FALLING DEBRIS, TOOLS, EQUIPMENT OR ANY OTHER MATERIALS INTERFERE OR IMPACT THE MOTORING PUBLIC IN THE ROADWAY. ALL THE MATERIALS, LABOR EQUIPMENT, AND WORK NECESSARY FOR IMPLEMENTING THIS REQUIREMENT IS SUBSIDIARY OBLIGATION OF THE CONTRACT UNDER EXISTING PAY ITEMS.

12. THE CONTRACTOR SHALL MAINTAIN ACCESS AT ALL TIMES TO ADJACENT PROPERTIES DURING CONSTRUCTION. THIS WORK WILL REQUIRE COORDINATION WITH BUSINESSES AND PRIVATE OWNERS. ALL THE MATERIALS, LABOR, EQUIPMENT, AND WORK NECESSARY FOR IMPLEMENTING THIS REQUIREMENT IS SUBSIDIARY OBLIGATION OF THE CONTRACT UNDER EXISTING PAY ITEMS.

13. NO EXCAVATION AND/OR PAVEMENT DROP-OFF SHALL REMAIN OPEN WITHIN THE TRAVELED WAY WHEN THE CONTRACTOR OR ITS PERSONNEL IS NOT WORKING AND PHYSICALLY PRESENT AT THE WORK SITE.

14. IN CASE THAT THE WORKS AFFECTED THE EXISTING LUMINARY THE CONRACTOR SHALL PROVIDE ADEQUATE ILLUMINATION IN THE AFFECTED AREA BUT THE GLARE OF THE SAME NO AFFECT THE VISIBILITY OF THE DRIVERS.

15. THE CONTRACTOR SHALL RETURN ALL AREAS DISTURBED BY TEMPORARY DETOURS TO THEIR ORIGINAL STATE.

15. RELOCATE ALL UTILITIES PRIOR TO THE PERFORMANCE OF ANY CONSTRUCTION PHASE. THIS ACTIVITY SHALL BE CLOSELY COORDINATED WITH THE CORRESPONDING UTILITY AGENCIES AND DTOP REGIONAL OFFICE SO AS TO PERMIT THE CONSTRUCTION AS SCHEDULED.

16. ALL TRENCH EXCAVATIONS MUST BE BACKFILLED THE SAME DAY BY THE END OF THE WORKSHIFT. IF NOT, THE TRENCH SHALL BE COVERED WITH A SUITABLE STEEL PLATE.

17. ALL TRAFFIC CONTROL DEVICES SHALL BE CLEANED, REPAINTED, REFLECTORIZED OR REPLACED AS NECESSARY TO PROVIDE ADEQUATE VISIBILITY AND LEGIBILITY AT ALL TIMES.

18. THE PUERTO RICO HIGHWAY AND TRANSPORTATION AUTHORITY IT DOES RESERVES THE RIGHT TO STOP THE WORKS AT ANY TIME IF THE CONTRACTOR DO NOT COMPLY WITH THE MAINTENANCE OF TRAFFIC AND THE SAFETY REGULATIONS.

CONSTRUCTION SCHEDULE

THE FOLLOWING CONSTRUCTION SCHEDULE AND SPECIAL INSTRUCTIONS SHALL BE FOLLOWED, IN ORDER TO MAINTAIN TRAFFIC FLOW WITH "THE LEAST POSSIBLE INTERFERENCE FROM CONSTRUCTION OPERATIONS".

TYPICAL APPLICATIONS ARE SUBMITTED FOR THE TEMPORARY TRAFFIC CONTROL ACTIVITIES FOR A VARIETY OF SITUATIONS COMMONLY ENCOUNTERED. IT IS REQUIRED FROM THE ENGINEER TO ADJUST THESE GUIDELINES TO FIELD CONDITIONS.

SPECIFIC SITUATIONS NOT COVERED BY THESE APPLICATIONS SHALL BE BROUGHT UP TO THE ENGINEER FOR APPROPIATE DIRECTION AND CLARIFICATION 10 DAYS BEFORE THE BEGINNING OF THE CONSTRUCTION WORK IN THAT AREA.

CONSTRUCTION:

1. IMPLEMENT THE WORK ZONE TEMPORARY TRAFFIC CONTROL IN ACCORDANCE WITH THE MAINTENANCE OF TRAFFIC INDICATED ON THE PLANS

2. THE DETAILS SHOWN SHALL BE USED IN BOTH DIRECTIONS.

TRAFFIC:

1. THE TRAFFIC WILL BE FLOWING AS INDICATED ON THE MAINTENANCE OF TRAFFIC USED FOR THE CONSTRUCTION AREA.

2. ALL WORK TO BE PERFORMED SHALL BE COORDINATED WITH THE TRAFFIC ENGINEERING OFFICE PERSONNEL.

3. NO WORK SHALL BE ALLOWED DURING PEAK HOURS. THE PEAK HOURS ARE DEFINED AS 7:00 AM - 8:00 AM AND 3:00 PM - 5:00 PM FROM MONDAY TO THURSDAY AND 7:00 AM - 8:00 AM AND 3:00 PM - 7:00 PM ON FRIDAYS.

4. ALL ACTIVITIES PROPOSED FOR THE PROJECT THAT AFFECT THE NORMAL FLOW OF TRAFFIC, SHALL BE COORDINATED WITH ALL PROJECTS THAT ARE WITHIN A COVERAGE RADIUS OF TWO MILES OF THE WAY SO THAT THEY DO NOT AFFECT EACH OTHER.

5. THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER THE ACCESS POINTS FOR CONSTRUCTION VEHICLES. INSTALL SIGN W8-6 (TRUCK CROSSING - 36" X 36") TO ALERT ROAD USERS OF LOCATIONS WHERE UNEXPECTED TRAVEL BY CONSTRUCTION VEHICLES MIGHT OCCUR.

LEGEND:

- TRAFFIC SIGN LOCATION (REFER TO DWG. MOT4 AND MOT5 FOR CONSTRUCTION SIGN TABLE AND DETAILS)
- CODE NUMBER
- LOCATION NUMBER
- PLASTIC DRUMS
- AREA UNDER CONSTRUCTION
- TRAFFIC FLOW
- FLAGGER

DISTANCE BETWEEN SIGNS

ROAD	A	B	C
PR-943	100FT (30m)	100FT (30m)	100FT (30m)
PR-189	100FT (30m)	100FT (30m)	100FT (30m)
MUNICIPAL ROAD	100FT (30m)	100FT (30m)	100FT (30m)

DISTANCE FOR TEMPORARY TRAFFIC CONTROL ZONE (mts)

SPEED LIMIT	TAPER	BUFFER	TERMINATION AREA
25MPH	50FT (15m)	115FT (35m)	50FT (15m)

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PROJECT INFORMATION

PR-CRP-000549
REVITALIZATION OF
GURABO PUBLIC PLAZA

GURABO PUERTO RICO

REVISIONS

NO.	DESCRIPTION	DATE
A	30% DESIGN DRAWINGS	02/10/23
B	60% DESIGN DRAWINGS	05/05/23
C	90% DESIGN DRAWINGS	09/29/23
D	90% DESIGN DRAWINGS-R	01/24/24

DATE ISSUED:	03/22/23
REVIEWED BY:	LMR
DRAWN BY:	AMC
DESIGNED BY:	LMR
BRA PROJECT NUMBER:	22023

SHEET TITLE

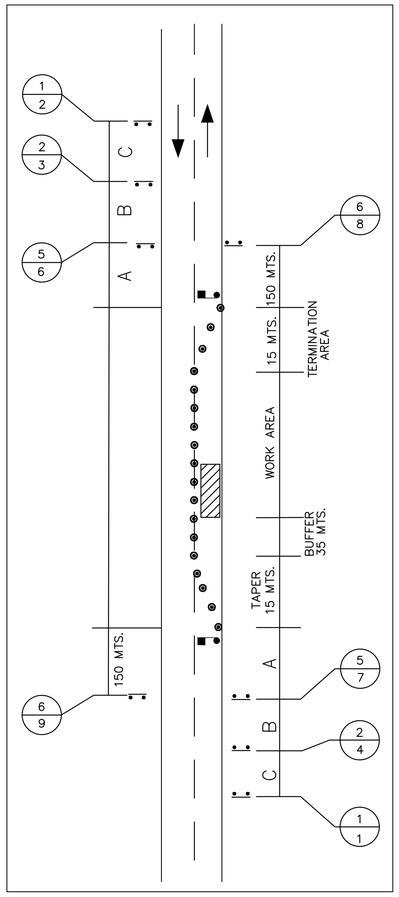
MAINTENANCE OF TRAFFIC GENERAL NOTES

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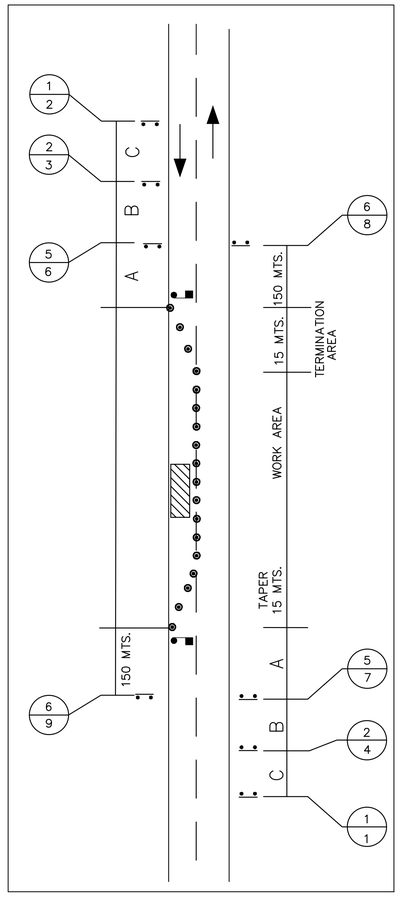
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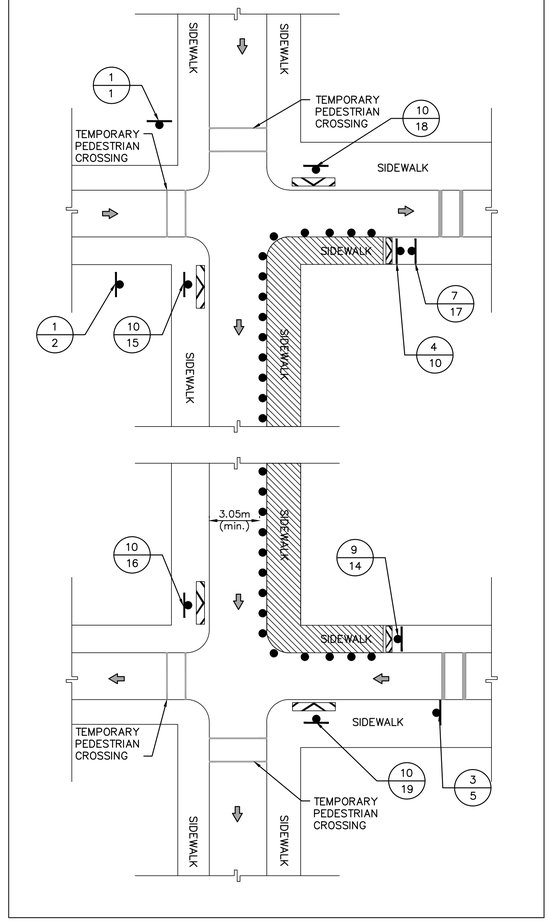
TYPICAL APPLICATION I
RIGHT LANE CLOSURE



TYPICAL APPLICATION II
LEFT LANE CLOSURE



TYPICAL APPLICATION 3
PEDESTRIAN CROSSING CLOSURE AND DETOURS



LEGEND:

- TRAFFIC SIGN LOCATION (SEE NOTE 3)
- CODE NUMBER
- LOCATION NUMBER
- PLASTIC DRUMS
- AREA UNDER CONSTRUCTION
- TRAFFIC DIRECTION
- FLAGGER
- TYPE 3 BARRICADE

NOTES:

1. FOR MAINTENANCE OF TRAFFIC NOTES & LEGEND REFER TO MOT–1.
2. MAINTENANCE OF TRAFFIC APPLICATIONS SHALL COMPLY WITH MUTCD 2009 MANUAL.
3. REFER TO DWGS. MOT4 AND MOT5 FOR CONSTRUCTION SIGNS TABLE AND DETAILS.

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PR-CRP-000549
REVITALIZATION OF
GURABO PUBLIC PLAZA

GURABO — PUERTO RICO

REVISIONS

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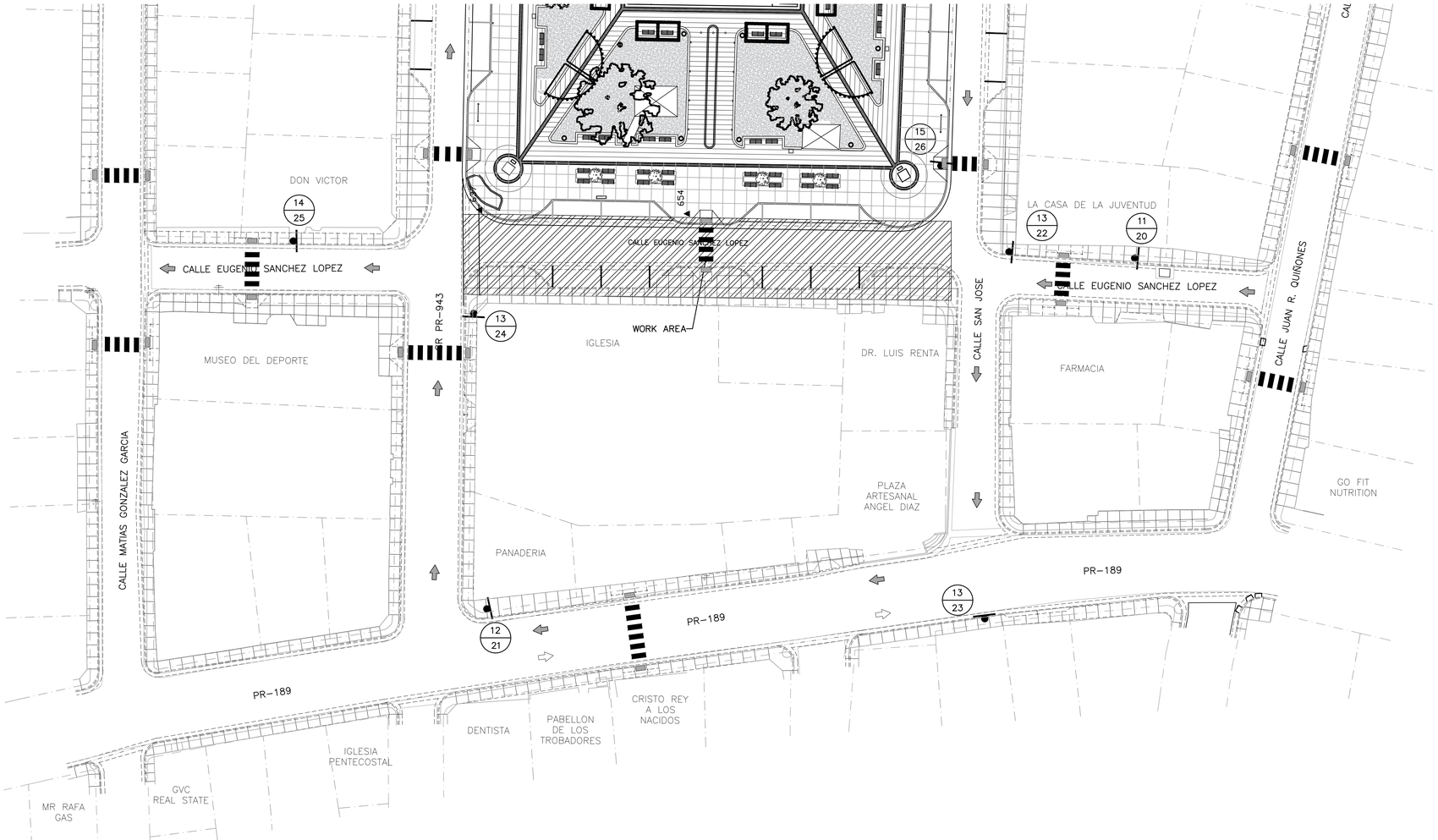
SHEET TITLE

MAINTENANCE OF TRAFFIC TYPICAL APPLICATIONS

SHEET ID

MOT2

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MAINTENANCE OF TRAFFIC - DETOUR PLAN

SCALE: 1:300

N

2 0 5 10 15m

SCALE: 1: 300

LEGEND:

- N.I.C. — NOT IN CONTRACT
- X / XX — SIGN CODE / SIGN LOCATION
- CONSTRUCTION SIGN (SEE DWGS. MOT4 AND MOT5 CONSTRUCTION SIGN TABLE AND DETAILS)
- DETOUR ROUTE
- WORK AREA

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DATE ISSUED:	06/14/23
REVIEWED BY:	LMR
DRAWN BY:	AMC
DESIGNED BY:	LMR
BRA PROJECT NUMBER:	22023

SHEET TITLE

MAINTENANCE OF TRAFFIC DETOUR PLAN

SHEET ID

MOT3

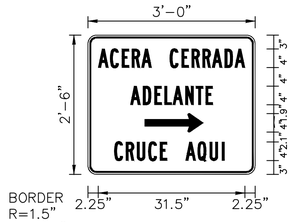
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CONSTRUCTION SIGNS:

CODE No.	LOCATION No.	SIGN CODE	L E G E N D	SIZE OF SIGN PANELS	STRUCTURE TYPE	REFERENCE MANUAL	TOTAL ITEM
1	1,2	W21-4		30" X 30"	N/A	SEE D.T.P.W. MANUAL 2020	2
2	3,4	W20-4		36" X 36"	N/A	SEE D.T.P.W. MANUAL 2020	2
3	5	W11-2 W16-7P(D)		18"X18" 24"X12"	N/A	SEE MUTCD 2009	1
4	10	W11-2(I) W16-7P		18"X18" 24"X12"	N/A	SEE MUTCD 2009	1
5	6,7	W20-T (A)		30" X 30"	N/A	SEE D.T.P.W. MANUAL 2020	2
6	8,9	G20-2		40" X 16"	N/A	SEE D.T.P.W. MANUAL 2020	2
7	17	R9-11		36" X 30"	N/A	SEE MUTCD 2009 & GUIDE SIGN DETAIL	1
8	12,13	R9-9		24" X 18"	N/A	SEE MUTCD 2009 & GUIDE SIGN DETAIL	2
9	14	R9-11		36" X 30"	N/A	SEE MUTCD 2009 & GUIDE SIGN DETAIL	1
10	15, 16, 18, 19	R9-10		42" X 24"	N/A	SEE MUTCD 2009 & GUIDE SIGN DETAIL	4
11	20	W20-3		36" X 36"	N/A	SEE D.T.P.W. MANUAL 2020	1
12	21	M4-9(D)		24" X 18"	N/A	SEE D.T.P.W. MANUAL 2020	1
13	22, 23, 24	M4-9(I)		24" X 18"	N/A	SEE D.T.P.W. MANUAL 2020	3
14	25	M4-8a		24" X 18"	N/A	SEE D.T.P.W. MANUAL 2020	1
15	26	M4-9 R3-1		42" X 14" 24" X 24"	N/A	SEE D.T.P.W. MANUAL 2020	1

GUIDE SIGN DETAILS:

NTS



Panel Style: REGULATORY PEDESTRIAN DIR..ssi
M.U.T.C.D.: 2009 Edition

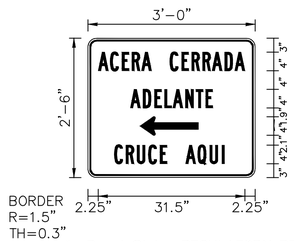
SIGN NUMBER	7/17
WIDTH x HGHT.	3'-0" x 2'-6"
BORDER WIDTH	0.3"
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: White
LEGEND/BORDER	TYPE: Reflective
	COLOR: Black/Black

SYMBOL	ROT	X	Y	WID	HT
AR_THRU	90	11.2	9.1	4	12.6

Panel Style: REGULATORY PEDESTRIAN DIR..ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																			LENGTH	SERIES/SIZE
A	C	E	R	A		C	E	R	R	A	D	A								B 2000
2.2	4.8	7.3	9.5	11.5	13.7	17.7	20.2	22.3	24.7	26.7	29.4	31.6							31.5	4
A	D	E	L	A	N	T	E													B 2000
9.1	11.9	14.3	16.5	18.3	21	23.3	25.3												17.7	4
C	R	U	C	E		A	Q	U	I											B 2000
5.7	8.2	10.6	13	15.5	17	21	23.6	26.2	28.8										23.6	4



Panel Style: REGULATORY PEDESTRIAN DIR..ssi
M.U.T.C.D.: 2009 Edition

SIGN NUMBER	9/14
WIDTH x HGHT.	3'-0" x 2'-6"
BORDER WIDTH	0.3"
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: White
LEGEND/BORDER	TYPE: Reflective
	COLOR: Black/Black

SYMBOL	ROT	X	Y	WID	HT
AR_THRU	90	11.2	9.1	4	12.6

Panel Style: REGULATORY PEDESTRIAN DIR..ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																			LENGTH	SERIES/SIZE
A	C	E	R	A		C	E	R	R	A	D	A								B 2000
2.2	4.8	7.3	9.5	11.5	13.7	17.7	20.2	22.3	24.7	26.7	29.4	31.6							31.5	4
A	D	E	L	A	N	T	E													B 2000
9.1	11.9	14.3	16.5	18.3	21	23.3	25.3												17.7	4
C	R	U	C	E		A	Q	U	I											B 2000
5.7	8.2	10.6	13	15.5	17	21	23.6	26.2	28.8										23.6	4

NOTES:

1. FOR MAINTENANCE OF TRAFFIC NOTES & LEGEND REFER TO DWG. MOT/1
2. MAINTENANCE OF TRAFFIC APPLICATIONS MUST COMPLY WITH MUTCD 2009 MANUAL.
3. SIGNS MUST COMPLY WITH DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS' "MANUAL DE ROTULACION PARA LAS VIAS PUBLICA DE PUERTO RICO" 2020 & MUTCD 2009 MANUAL.

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SEAL

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PROJECT INFORMATION

PR-CRP-000549
REVITALIZATION OF
GURABO PUBLIC PLAZA

GURABO PUERTO RICO

REVISIONS

NO.	DESCRIPTION	DATE
A	30% DESIGN DRAWINGS	02/10/23
B	60% DESIGN DRAWINGS	05/05/23
C	90% DESIGN DRAWINGS	09/29/23
D	90% DESIGN DRAWINGS-R	01/24/24

DATE ISSUED:	03/22/23
REVIEWED BY:	LMR
DRAWN BY:	AMC
DESIGNED BY:	LMR
BRA PROJECT NUMBER:	22023

SHEET TITLE

MAINTENANCE OF TRAFFIC CONSTRUCTION SIGN TABLE

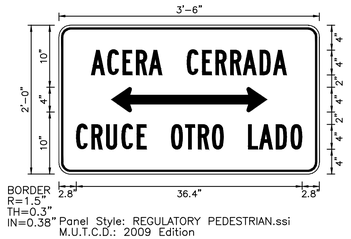
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GUIDE SIGN DETAILS:

NTS



Panel Style: REGULATORY PEDESTRIAN.ssi
M.U.T.C.D.: 2009 Edition

SIGN NUMBER	10/15, 10/16, 10/18, 10/19
WIDTH x HGHT.	3'-6" x 2'-0"
BORDER WIDTH	0.3"
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: White
LEGEND/BORDER	TYPE: Reflective
	COLOR: Black/Black

SYMBOL	ROT	X	Y	WID	HT
AR_THRU	90	8.4	10	4	12.6
AR_THRU	270	21	10	4	12.6

Panel Style: REGULATORY PEDESTRIAN.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																				LENGTH	SERIES/SIZE
A	C	E	R	A		C	E	R	R	A	D	A									B 2000
5.2	7.8	10.3	12.4	14.5	16.6	20.6	23.1	25.3	27.6	29.7	32.4	34.6								31.5	4
C	R	U	C	E		O	T	R	O		L	A	D	O							B 2000
2.8	5.3	7.6	10.1	12.6	14.1	18.1	20.4	22.5	24.7	26.5	30.5	32.3	35	37.4						36.4	4



Panel Style: REGULATORY PEDESTRIAN.ssi
M.U.T.C.D.: 2009 Edition

SIGN NUMBER	8/12, 8/13
WIDTH x HGHT.	2'-0" x 1'-6"
BORDER WIDTH	0.3"
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: White
LEGEND/BORDER	TYPE: Reflective
	COLOR: Black/Black

SYMBOL	ROT	X	Y	WID	HT

Panel Style: REGULATORY PEDESTRIAN.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																				LENGTH	SERIES/SIZE
A	C	E	R	A																	B 2000
6.2	8.8	11.3	13.4	15.5																11.4	4
C	E	R	R	A	D	A															B 2000
4	6.4	8.6	11	13	15.7	17.9														16.1	4

OWNER

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PROJECT INFORMATION

PR-CRP-000549
REVITALIZATION OF
GURABO PUBLIC PLAZA

GURABO PUERTO RICO

REVISIONS

NO.	DESCRIPTION	DATE
A	30% DESIGN DRAWINGS	02/10/23
B	60% DESIGN DRAWINGS	05/05/23
C	90% DESIGN DRAWINGS	09/29/23
D	90% DESIGN DRAWINGS-R	01/24/24

DATE ISSUED:	03/22/23
REVIEWED BY:	LMR
DRAWN BY:	AMC
DESIGNED BY:	LMR
BRA PROJECT NUMBER:	22023

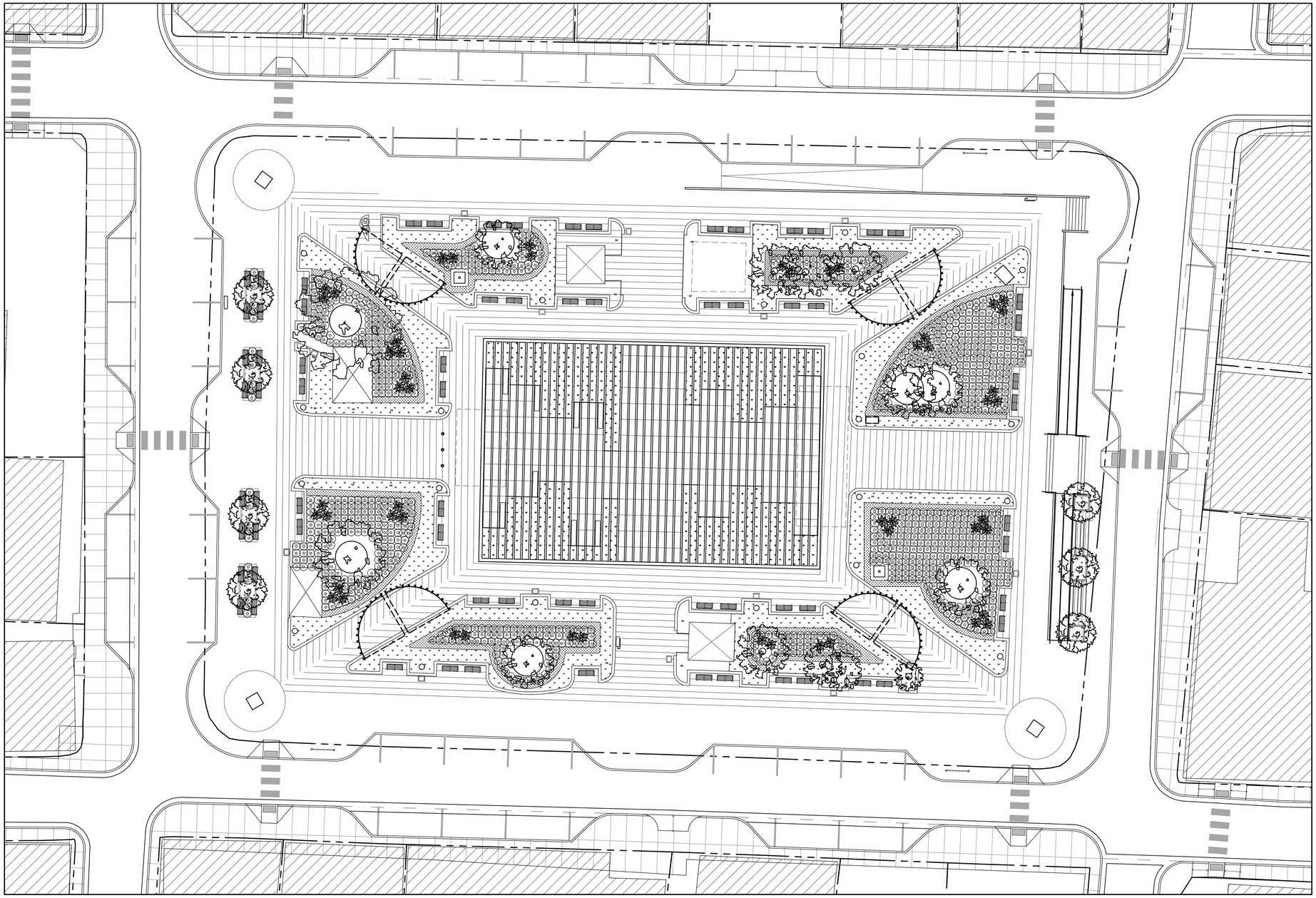
SHEET TITLE

MAINTENANCE OF TRAFFIC CONSTRUCTION SIGN TABLE

SHEET ID

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PLANT SCHEDULE

GROUND COVERS:

ID	COMMON NAME / SCIENTIFIC NAME	QTY	SIZE	SPACING	COMMENTS
ZM	**Zoysia grass** / *Zoysia spp.*	7,210 sq ft	TRAY	n/a	grass underlayer to be 3" top soil on ground level
TP	**Purple Heart** / *Tradescantia pallida*	1,600 sq ft	cm	-	
-	**SOIL**	-	cm	- -	
-	**MULCH**	-	cm	- -	

SHRUBS:

ID	COMMON NAME / SCIENTIFIC NAME	QTY	SIZE	SPACING	COMMENTS
CA	**Crinum** / *Crinum asiaticum*	52	3 GAL.	see layout plan	mulch to cover soil X 1" deep
DT	**Dianella** / *Dianella tasmanica*	1,040	2 GAL.	see layout plan	mulch to cover soil X 1" deep

TREES:

ID	COMMON NAME / SCIENTIFIC NAME	QTY	SIZE	SPACING	COMMENTS
TH	**Roble Nativo** / *Tabebuia heterophylla*	7	2 GAL.	see layout plan	mulch 2ft dia. X 3" deep

A1 LANDSCAPE KEY PLAN

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

GENERAL SHEET NOTES

1. ALL DIMENSIONS SHOWN ARE TO FACE OF FINISH, U.O.N.
2. THE CONTRACTOR SHALL FIELD CHECK AND VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION, NOTIFY THE OWNER'S REPRESENTATIVES OF ANY DISCREPANCY IMMEDIATELY.
3. THE LOCATION OF UNDERGROUND UTILITIES AND STRUCTURES SHOWN ON THE PLANS REPRESENTS THE BEST KNOWLEDGE OF THE MUNICIPALITY AND OWNER'S. PRIOR TO PROCEEDING WITH ANY EXCAVATIONS, THE CONTRACTOR SHALL CONTACT THE CORRESPONDING AUTHORITY.

LEGEND & SHEET NOTES

- Purple Heart / Tradescantia pallida
- Zoysia / Zoysia spp.
- Dianellas / Dianella tasmanica
- Crinum / Crinum asiaticum
- Roble nativo / Tabebuia heterophylla

OWNER

Gurabo
CIUDAD DE LAS ESCALERAS

PROPONENT

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SEAL

YO, TERESITA M. DEL VALLE BERTRÁN, LIC. 116, CERTIFICO QUE SOY EL PROFESIONAL QUE CONFECCIONÓ Y/O DISEÑÓ Y/O PREPARÓ ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIÉN CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE 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 NÚM. 14 DEL 8 DE ENERO DE 2004, SEGÚN ENMENDADA, CONOCIDA COMO LEY PARA LA INVERSIÓN POR LA INDUSTRIA PUERTORRIQUEÑA Y CON LA (LEY NÚM. 319 DEL 15 MAYO DE 1938 , SEGÚN ENMENDADA; LEY NÚM. 96 DEL 6 DE JULIO DE 1978, SEGÚN ENMENDADA. SEGÚN APLIQUE). RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIONES DE LOS HECHOS QUE SE HAYA PRODUCIDO POR DESCONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MÍ, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR LA OGPE.

PROJECT INFORMATION

REHABILITATION OF GURABO PUBLIC PLAZA
GURABO, PUERTO RICO

REVISIONS

NO.	DESCRIPTION	DATE
	90% Revised	2024-01-25

DATE ISSUED:	01.18.2024
REVIEWED BY:	TMDV
DRAWN BY:	FR
DESIGNED BY:	FR
PROJECT NUMBER:	22024

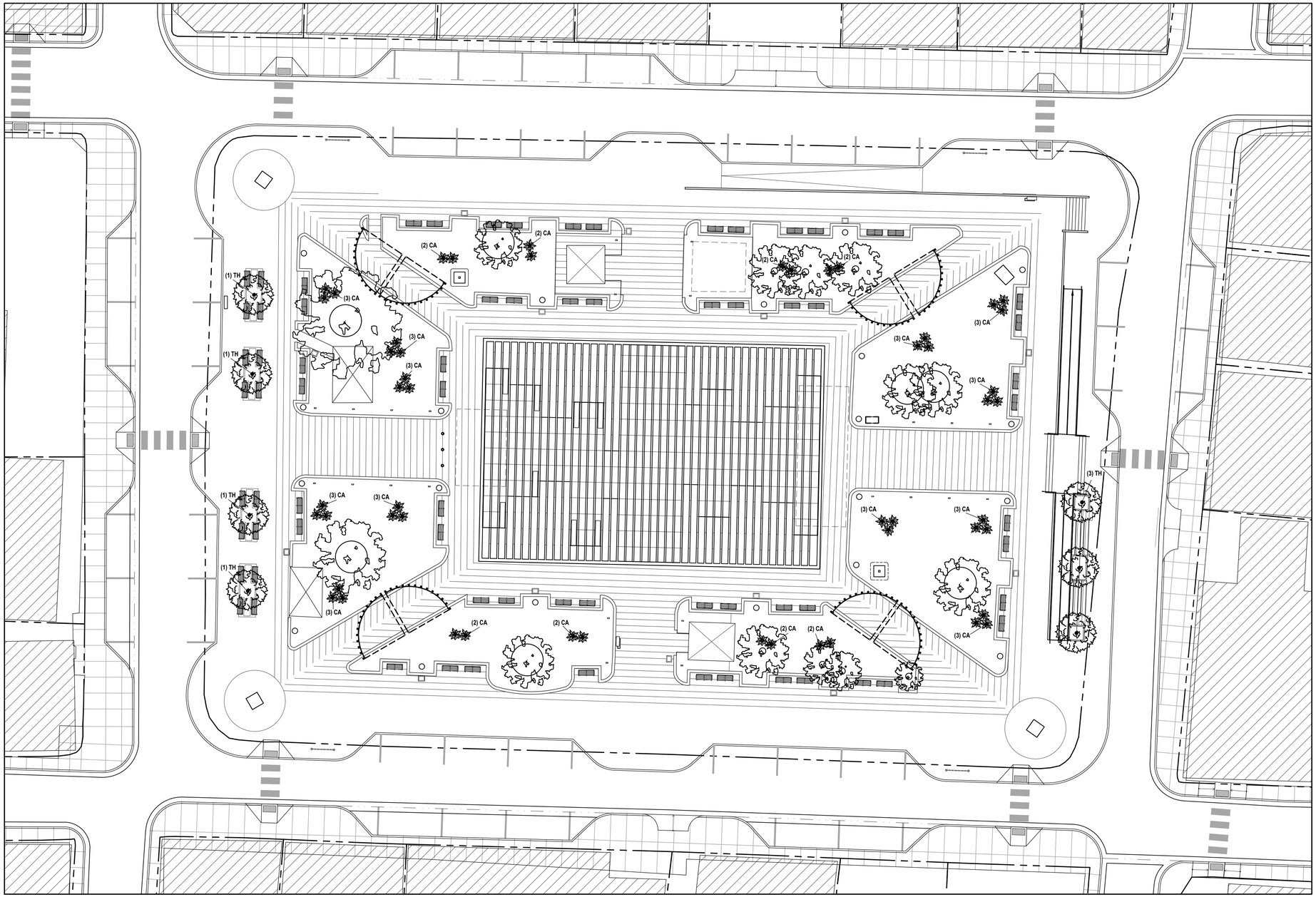
SHEET TITLE

LANDSCAPE KEY PLAN

SHEET ID

L-100

CONSTRUCTION DOCUMENTS



A1 TREES AND SHRUBS PLANTING PLAN

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

GENERAL SHEET NOTES

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LEGEND & SHEET NOTES

- Purple Heart / Tradescantia pallida
- Zoysia / Zoysia spp.
- Dianellas / Dianella tasmanica
- Crinum / Crinum asiaticum
- Roble nativo / Tabebuia heterophylla

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PROJECT INFORMATION

REHABILITATION OF GURABO PUBLIC PLAZA
GURABO, PUERTO RICO

REVISIONS

NO.	DESCRIPTION	DATE
	90% Revised	2024-01-25

DATE ISSUED:	01.18.2024
REVIEWED BY:	TMDV
DRAWN BY:	FR
DESIGNED BY:	FR
PROJECT NUMBER:	22024

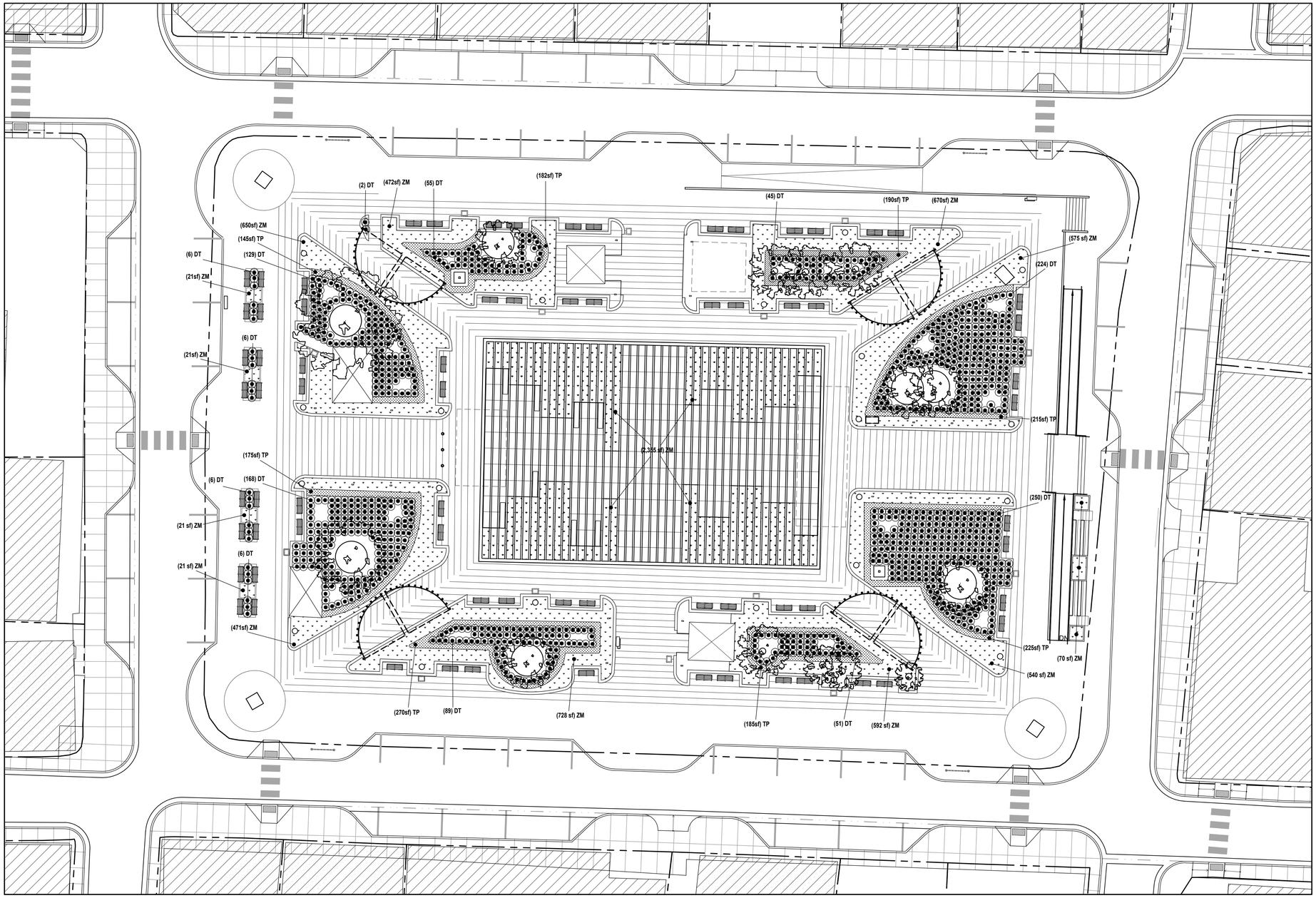
SHEET TITLE

TREES AND SHRUBS PLANTING PLAN

SHEET ID

L-101

CONSTRUCTION DOCUMENTS



GENERAL SHEET NOTES

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SEAL

YO, TERESITA M. DEL VALLE BERTRÁN, LIC. 116, CERTIFICO QUE SOY EL PROFESIONAL QUE CONFECCIONÓ Y/O DISEÑÓ Y/O PREPARÓ ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIÉN CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE 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 NÚM. 14 DEL 8 DE ENERO DE 2004, SEGÚN ENMENDADA, CONOCIDA COMO LEY PARA LA INVERSIÓN POR LA INDUSTRIA PUERTORRIQUEÑA Y CON LA LEY NÚM. 319 DEL 15 MAYO DE 1938 , SEGÚN ENMENDADA; LEY NÚM. 96 DEL 6 DE JULIO DE 1978, SEGÚN ENMENDADA. SEGÚN APLIQUE, RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIONES DE LOS HECHOS QUE SE HAYA PRODUCIDO POR DESCONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MÍ, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR LA OGPE.

PROJECT INFORMATION

REHABILITATION OF GURABO PUBLIC PLAZA GURABO, PUERTO RICO

REVISIONS

NO.	DESCRIPTION	DATE
	90% Revised	2024-01-25

DATE ISSUED:	01.18.2024
REVIEWED BY:	TMDV
DRAWN BY:	FR
DESIGNED BY:	FR
PROJECT NUMBER:	22024

SHEET TITLE

GROUNDCOVER PLANTING PLAN

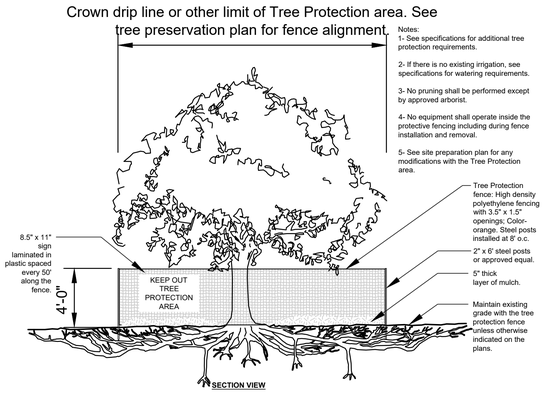
SHEET ID

L-102

A1 GROUNDCOVER PLANTING PLAN

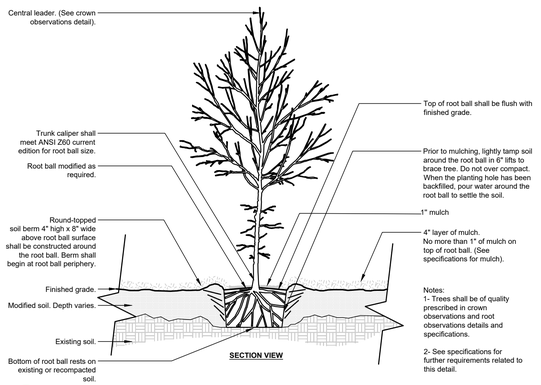
SCALE: 1/16"=1'-0"

CONSTRUCTION DOCUMENTS



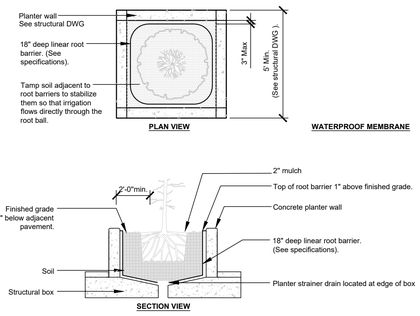
A TREE PROTECTION

1/4" = 1'-0"



1 TREE w/ BERM (EXISTING SOIL MODIFIED) PLANTING DETAIL

1/2" = 1'-0"

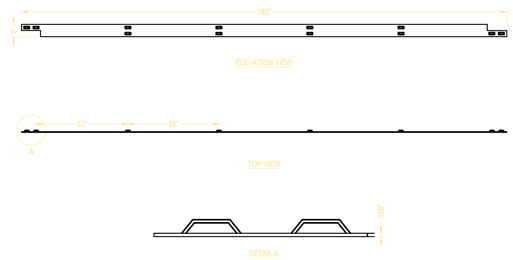


Notes:
1- Root barriers shall be installed per manufacturer's specifications and recommendations.

2- Root barriers shall be installed when root ball is located within 8' of pavement.

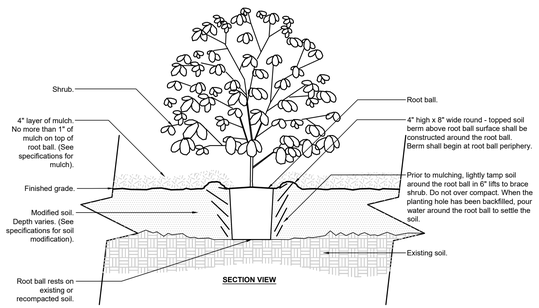
2 ROOT BARRIERS - SHRUB / TREE IN PLANTER DETAIL

3/8" = 1'-0"



3 BORCON CUSTOM EDGING DETAIL

STEEL EDGING FOR LANDSCAPING, . 188" X 18" X 16"

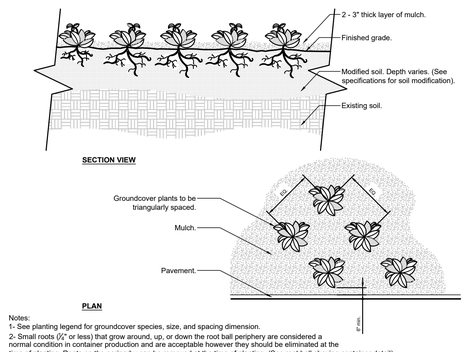


Notes:
1- Shrubs shall be of quality prescribed in the root observations detail and specifications.

2- See specifications for further requirements related to this detail.

4 SHRUB- MODIFIED SOIL PLANTING DETAIL

3/4" = 1'-0"



Notes:
1- See planting legend for groundcover species, size, and spacing dimension.
2- Small roots (¼" or less) that grow around, up, or down the root ball periphery are considered a normal condition in container production and are acceptable however they should be eliminated at the time of planting. Roots on the periperhy can be removed at the time of planting. (See root ball shaving container detail).
3- Settle soil around root ball of each groundcover prior to mulching.

5 GROUNDCOVER PLANTING DETAIL

3/4" = 1'-0"

GENERAL SHEET NOTES

1. ALL DIMENSIONS SHOWN ARE TO FACE OF FINISH, U.O.N.
2. THE CONTRACTOR SHALL FIELD CHECK AND VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION, NOTIFY THE OWNER'S REPRESENTATIVES OF ANY DISCREPANCY IMMEDIATELY.
3. THE LOCATION OF UNDERGROUND UTILITIES AND STRUCTURES SHOWN ON THE PLANS REPRESENTS THE BEST KNOWLEDGE OF THE MUNICIPALITY AND OWNER'S. PRIOR TO PROCEEDING WITH ANY EXCAVATIONS, THE CONTRACTOR SHALL CONTACT THE CORRESPONDING AUTHORITY.

OWNER

Gurabo
CIUDAD DE LAS ESCALERAS

PROPONENT

BR&A LLC
PROJECT MANAGEMENT • ENGINEERING • DESIGN
3100 Rd. 199 SUITE 203
SAN JUAN, P.R. 00926
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(787) 707-1717
br@brapr.com

CONSULTANT

Star Point LLC
LANDSCAPE + ARCHITECTURE
P.O Box 632
Dorado PR 00646
(787)-510-4812

SEAL

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PROJECT INFORMATION

REHABILITATION OF GURABO PUBLIC PLAZA
GURABO, PUERTO RICO

REVISIONS

NO.	DESCRIPTION	DATE
	90% Revised	2024-01-25

DATE ISSUED:	**01.18.2024**
REVIEWED BY:	**TMDV**
DRAWN BY:	**FR**
DESIGNED BY:	**FR**
PROJECT NUMBER:	**22024**

SHEET TITLE

PLANTING DETAILS

SHEET ID

L-200

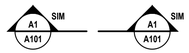
CONSTRUCTION DOCUMENTS

ARCHITECTURAL ABBREVIATIONS

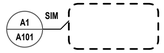
&	AND
@	AT
Ø	DIAMETER
A.B.	ANCHOR BOLT
A/C	AIR CONDITIONER
ACT	ACOUSTICAL CEILING TILE
ADJ	ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
A.F.S.	ABOVE FLOOR SLAB
AHU	AIR HANDLING UNIT
ALUM	ALUMINUM
ANOD.	ANODIZED
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APPROX.	APPROXIMATE OR APPROXIMATELY
ARCH	ARCHITECTURE, ARCHITECTURAL
AVG	AVERAGE
A.W.I.	ARCHITECTURAL WOODWORK INSTITUTE
B.H.M.I.	BUILDER'S HARDWARE MANUFACTURER'S ASSOCIATION, INC.
BIM	BUILDING INFORMATION MODELING
BLDG.	BUILDING
BM.	BEAM
B.O.	BOTTOM OF
B.U.R.	BUILT-UP ROOFING
B.O.S.	BOTTOM OF STRUCTURE
℄	CENTERLINE
℄O.T.S.	CENTERLINE OF TENANT SEPARATION
C.J.	CONTROL JOINT
CLG.	CEILING
CLR.	CLEAR
CLO.	CLOSET
CMU	CONCRETE MASONRY UNIT
COL.	COLUMN
COLS.	COLUMNS
CONC.	CONCRETE
CONT.	CONTINUOUS
D.S.	DOWNSPOUT
DIA.	DIAMETER
DR.	DOOR
DTL. OR DET.	DETAIL
DWG.	DRAWING
EA.	EACH
E.F.S.	EXTERIOR FACE OF SHEATHING
E.J.	EXPANSION JOINT
ELEC.	ELECTRIC, ELECTRICAL
ELEV.	ELEVATION
E.O.S.	EDGE OF SLAB
ENG.	ENGINEER, ENGINEERING
E.P.	ELECTRICAL PANEL
EPDM	ETHYLENE PROPYLENE DIENE MONOMER
EQ.	EQUAL
EQUIP.	EQUIPMENT
E.R.D.	EMERGENCY ROOF DRAIN
E.T.D.	ESTIMATED TRAVEL DISTANCE
E.W.C.	ELECTRIC WATER COOLER
EXIST.	EXISTING
EXP.	EXPANSION, EXPOSED
EXT.	EXTERIOR
F.D.	FIRE DAMPER, FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FDN.	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
F.F.	FINISHED FLOOR
F.F.E.	FINISHED FLOOR ELEVATION
FHC	FIRE HOSE CABINET
FIN.	FINISH, FINISHED
FLR.	FLOOR
F.O.	FACE OF
F.O.B.	FACE OF BRICK
F.O.P.	FACE OF POST
FT.	FEET
FTG.	FOOTING
F.V.	FIELD VERIFY
FRP	FIBER REINFORCED PANEL
GA.	GAUGE
GALV.	GALVANIZED
GBF	GYPSUM BOARD FURRING
GL.	GLASS
G.P.	GLOSSY PAINT
GYP.	GYPSUM
GWB	GYPSUM WALL BOARD
HB	HOSE BIBB
HDW	HARDWARE
HGT. OR HT.	HEIGHT
HKS	HOOKS
HM	HOLLOW METAL
HORIZ.	HORIZONTAL
HVAC	HEATING VENTILATION & AIR CONDITIONING
I.D.	INSIDE DIAMETER
I.F.S.	INTERIOR FACE OF STUD
i.e.	THAT IS, SUCH AS
IN.	INCH, INCHES
INSUL.	INSULATION
INT.	INTERIOR
JT.	JOINT
JAN.	JANITOR
JST.	JOIST
K.P.	KICK PLATE
LAM.	LAMINATE
LAV.	LAVATORY
LB.	POUND
LDG.	LANDING
LONG.	LONGITUDINAL
LT.	LIGHT
LTG.	LIGHTING
LRV.	LOUVER
LVT	LUXURY VINYL TILE
LVP	LUXURY VINYL PLANK
MATL.	MATERIAL
MAX.	MAXIMUM
MECH	MECHANICAL
MEP	MECHANICAL, ELECTRICAL & PLUMBING
MFGR.	MANUFACTURER
MGR.	MANAGER
MIN.	MINIMUM
MISC.	MISCELLANEOUS
M.O.	MASONRY OPENING
MOD	MODIFIED
MTL	METAL
MWP	METAL WALL PANEL
NO.	NUMBER
N/A	NOT APPLICABLE
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
N.I.C.	NOT IN CONTRACT
N.T.S.	NOT TO SCALE
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OPG	OPENING
OPP.	OPPOSITE
OSHA	OCCUPATIONAL SAFETY AND HEALTH ACT
OVHD	OVERHEAD
PDU	POWER DISTRIBUTION UNIT
P.LAM.	PLASTIC LAMINATE
PLYWD.	PLYWOOD
PNL.	PANEL
PR.	PAIR
PRE-FAB	PRE-FABRICATED
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PAINT, PRESSURE TREATED
PVC	POLYVINYL CHLORIDE
Q.T.	QUARRY TILE
R	RADIUS
R.A.F.	RAISED ACCESS FLOOR
R.A.G.	RETURN AIR GRILLE
RB	RUBBER BASE
RECEP.	RECEPTION, RECEPTIONIST
REF	REFRIGERATOR, REFER, REFERENCE
REINF	REINFORCING, REINFORCEMENT
REQ'D.	REQUIRED
REV.	REVISED, REVISION
R.D.	ROOF DRAIN
R.O.	ROUGH OPENING
SC	SEALED CONCRETE
SCHED.	SCHEDULE
SCW	SOLID CORE WOOD
SECT.	SECTION
S.F.	SQUARE FEET
SFRM	SPRAYED FIRE RESISTIVE MATERIAL
S.G.P.	SEMI-GLOSS PAINT
SQ. IN.	SQUARE INCHES
SHT.	SHEET
SHTS.	SHEETS
SIM.	SIMILAR
SPECS	SPECIFICATIONS
S.S.	SERVICE SINK
STC	SOUND TRANSMISSION CLASS
STD.	STANDARD
STL.	STEEL
STOR.	STORAGE
STRUCT	STRUCTURAL, STRUCTURE
SUSP.	SUSPENDED
SQ.	SQUARE
T&G	TONGUE & GROOVE
TEL.	TELEPHONE
TG	TEMPERED GLASS
T.O.STL.	TOP OF STEEL
T.O.B.	TOP OF BRICK, TOP OF BEAM
T.O.S.	TOP OF STEEL, TOP OF SLAB
T.O.SH.	TOP OF SHEATHING
T.O.W.	TOP OF WALL
TYP.	TYPICAL
U.L.	UNDERWRITERS LABORATORIES
U.O.N.	UNLESS OTHERWISE NOTED
VCT OR VT	VINYL COMPOSITION TILE
VB	VAPOR BARRIER
VDC	VIRTUAL DESIGN & CONSTRUCTION
VERT.	VERTICAL
VR	VIRTUAL REALITY
W/	WITH
W.C.	WATER CLOSET
WCO	WALL CLEANOUT
WMP	WIRE MESH PARTITION
WD	WOOD
WWF	WELDED WIRE FABRIC
YD.	YARD

PLAN SYMBOLS

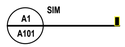
BUILDING SECTION



CALLOUT HEAD & REGION



DETAIL SECTION



DOOR TAG

ELEVATION - EXTERIOR



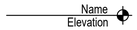
ELEVATION - INTERIOR



KEYNOTE



LEVEL HEAD



NORTH ARROW



REVISION TAG



ROOM TAG

ROOM NAME
101

ROOM TAG W/ AREA

ROOM NAME
101
150 SF

SPECIALTY EQUIPMENT TAG



VIEW REFERENCE

MATCHLINE
SEE XX/A101

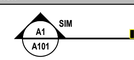
VIEW TITLE



WALL & CURTAIN WALL TAG



WALL SECTION



WINDOW & LOUVER TAG



ROOF SLOPE

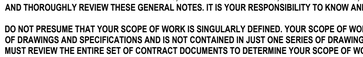


MATERIAL SYMBOLS

1-HOUR RATED WALL



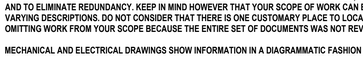
2-HOUR RATED WALL



3-HOUR RATED WALL



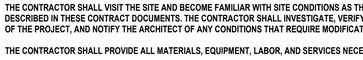
SMOKE RATED WALL



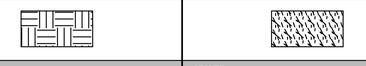
BATT INSULATION



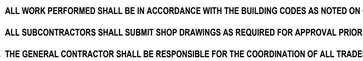
CONCRETE



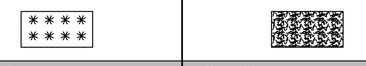
EARTH



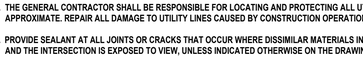
EXPOSED & FINISHED WOOD TRIM



GRASS



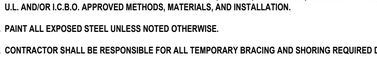
GRAVEL



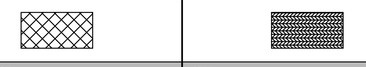
GYPSUM / PLASTER



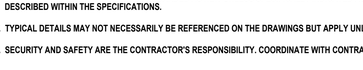
MASONRY - BRICK



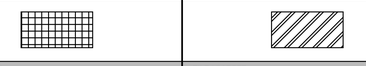
MASONRY - CONCRETE BLOCK



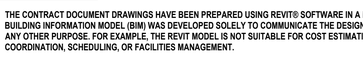
PLYWOOD



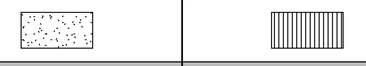
RIGID INSULATION



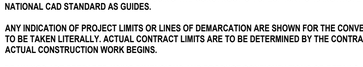
STEEL



STUCCO / E.I.F.S.



TILE / CARPET



GENERAL NOTES

1. ATTENTION ALL USERS OF THESE DRAWINGS, GENERAL CONTRACTORS, SUB CONTRACTORS, MANUFACTURERS, SUPPLIERS: CAREFULLY AND THOROUGHLY REVIEW THESE GENERAL NOTES. IT IS YOUR RESPONSIBILITY TO KNOW AND ADHERE TO THESE REQUIREMENTS.
2. DO NOT PRESUME THAT YOUR SCOPE OF WORK IS SINGULARLY DEFINED. YOUR SCOPE OF WORK IS DEFINED THROUGHOUT THE ENTIRE SET OF DRAWINGS AND SPECIFICATIONS AND IS NOT CONTAINED IN JUST ONE SERIES OF DRAWINGS OR DIVISION OF SPECIFICATIONS. YOU MUST REVIEW THE ENTIRE SET OF CONTRACT DOCUMENTS TO DETERMINE YOUR SCOPE OF WORK.
3. EVERY EFFORT HAS BEEN MADE TO MAKE THESE DOCUMENTS CONCISE AND COORDINATED, TO DEFINE WORK IN THE MOST LOGICAL PLACE AND TO ELIMINATE REDUNDANCY. KEEP IN MIND HOWEVER THAT YOUR SCOPE OF WORK CAN BE CONTAINED IN VARIOUS PLACES, WITH VARYING DESCRIPTIONS. DO NOT CONSIDER THAT THERE IS ONE CUSTOMARY PLACE TO LOCATE YOUR WORK. THERE IS A DANGER OF OMITTING WORK FROM YOUR SCOPE BECAUSE THE ENTIRE SET OF DOCUMENTS WAS NOT REVIEWED.
4. MECHANICAL AND ELECTRICAL DRAWINGS SHOW INFORMATION IN A DIAGRAMMATIC FASHION WITHOUT DIMENSIONING. THE GENERAL CONTRACTOR IS TO COORDINATE THE LOCATIONS OF ALL MECHANICAL AND ELECTRICAL EQUIPMENT WITH RESPECT TO THE ARCHITECTURAL AND STRUCTURAL DETAILING OF SHAFTS, CHASES, AND SUCH.
5. THE CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH SITE CONDITIONS AS THEY MAY AFFECT CARRYING OUT THE WORK AS DESCRIBED IN THESE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL INVESTIGATE, VERIFY, AND BE RESPONSIBLE FOR ALL CONDITIONS OF THE PROJECT, AND NOTIFY THE ARCHITECT OF ANY CONDITIONS THAT REQUIRE MODIFICATION BEFORE PROCEEDING WITH THE WORK.
6. THE CONTRACTOR SHALL PROVIDE ALL MATERIALS, EQUIPMENT, LABOR, AND SERVICES NECESSARY TO COMPLETE THE WORK.
7. ALL PERSONS DIRECTLY OR INDIRECTLY ASSOCIATED WITH THE PROJECT SHALL BE FAMILIAR WITH THE RULES AND REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ACT AND IMPLEMENT THOSE RULES AS THEY APPLY TO THIS PROJECT.
8. ALL WORK PERFORMED SHALL BE IN ACCORDANCE WITH THE BUILDING CODES AS NOTED ON CODE SHEETS.
9. ALL SUBCONTRACTORS SHALL SUBMIT SHOP DRAWINGS AS REQUIRED FOR APPROVAL PRIOR TO COMMENCING ANY WORK.
10. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF ALL TRADES AND THE PREVENTION OF CONFLICT AMONG ALL TRADES.
11. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING ALL UTILITY LINES. LOCATIONS SHOWN ARE APPROXIMATE. REPAIR ALL DAMAGE TO UTILITY LINES CAUSED BY CONSTRUCTION OPERATIONS AT NO COST TO THE OWNER.
12. PROVIDE SEALANT AT ALL JOINTS OR CRACKS THAT OCCUR WHERE DISSIMILAR MATERIALS INTERSECT PERPENDICULAR TO EACH OTHER, AND THE INTERSECTION IS EXPOSED TO VIEW, UNLESS INDICATED OTHERWISE ON THE DRAWINGS.
13. ALL PENETRATIONS AT SMOKE AND FIRE RATED WALLS, FLOORS, OR CEILINGS, SHALL BE PROTECTED, SEALED OR DAMPERED USING ONLY U.L. AND/OR I.C.B.O. APPROVED METHODS, MATERIALS, AND INSTALLATION.
14. PAINT ALL EXPOSED STEEL UNLESS NOTED OTHERWISE.
15. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY BRACING AND SHORING REQUIRED DURING CONSTRUCTION.
16. ALL WORK AND MATERIAL SHALL BE REGARDED AS NEW UNLESS SPECIFICALLY INDICATED AS"EXISTING" OR "(E)" ON THE DRAWINGS AND DESCRIBED WITHIN THE SPECIFICATIONS.
17. TYPICAL DETAILS MAY NOT NECESSARILY BE REFERENCED ON THE DRAWINGS BUT APPLY UNLESS NOTED OTHERWISE.
18. SECURITY AND SAFETY ARE THE CONTRACTOR'S RESPONSIBILITY. COORDINATE WITH CONTRACTING OFFICER'S REPRESENTATIVE.

DRAWING AND DIMENSIONS:

1. THE CONTRACT DOCUMENT DRAWINGS HAVE BEEN PREPARED USING REVIT® SOFTWARE IN A MICROSOFT WINDOWS ENVIRONMENT. A BUILDING INFORMATION MODEL (BIM) WAS DEVELOPED SOLELY TO COMMUNICATE THE DESIGN TO THE OWNER AND IS NOT SUITABLE FOR ANY OTHER PURPOSE. FOR EXAMPLE, THE REVIT MODEL IS NOT SUITABLE FOR COST ESTIMATING, SYSTEMS PERFORMANCE, COORDINATION, SCHEDULING, OR FACILITIES MANAGEMENT.
2. THESE DOCUMENTS WERE PRODUCED USING THE CONSTRUCTION SPECIFICATIONS INSTITUTE'S UNIFORM DRAWING SYSTEM AND THE NATIONAL CAD STANDARD AS GUIDES.
3. ANY INDICATION OF PROJECT LIMITS OR LINES OF DEMARCATION ARE SHOWN FOR THE CONVENIENCE OF THE CONTRACTOR AND ARE NOT TO BE TAKEN LITERALLY. ACTUAL CONTRACT LIMITS ARE TO BE DETERMINED BY THE CONTRACTOR AND APPROVED BY THE OWNER BEFORE ACTUAL CONSTRUCTION WORK BEGINS.
4. DRAWINGS ARE PREPARED USING DIMENSIONS AND PRODUCT CONFIGURATIONS OR DETAILS OF SPECIFIC MANUFACTURERS. DIMENSIONS AND DETAILS FOR SPECIFIC PRODUCTS MAY CHANGE BEFORE THEY ARE ACTUALLY INCORPORATED INTO THE WORK, AND PRODUCTS BY OTHER MANUFACTURERS ARE ALSO ACCEPTABLE. THEREFORE, ACTUAL INSTALLATION DETAILS AND DIMENSIONS MAY DIFFER FROM THOSE SHOWN. CONTRACTOR SHALL VERIFY INSTALLATION REQUIREMENTS FOR ALL PRODUCTS TO BE INCORPORATED IN THE WORK (INCLUDING THICKNESSES FOR RECESSED OR SEMI-RECESSED PRODUCTS) AND IS RESPONSIBLE FOR ACCOMMODATING AND COORDINATING CHANGES TO OTHER MATERIALS OR PRODUCTS THAT ARE NECESSARY BECAUSE OF THESE DIFFERENCES.
5. THE DRAWINGS AND SPECIFICATIONS ARE SEPARATED INTO DISCIPLINES FOR CONVENIENCE. THE SEPARATIONS USED ARE USED ONLY FOR THE PURPOSES OF REFERENCE AND IN NO WAY DO THEY DEFINE OR LIMIT THE SCOPE OR INTENT OF ANY PART OF THE DRAWINGS, OR OF THE DRAWINGS AND SPECIFICATIONS AS A WHOLE. THE FACT THAT THE DRAWINGS ARE SEPARATED IN NO WAY SUGGESTS THAT THE WORK IS NOT TO BE CONSTRUCTED AS A COMPLETE, INTEGRATED AND UNIFIED WHOLE.
6. THE DRAWINGS AND SPECIFICATIONS, INCLUDING DRAWINGS PREPARED BY SPECIFIC ENGINEERING DISCIPLINES (SUCH AS CIVIL, STRUCTURAL, MECHANICAL, ELECTRICAL, ETC.) ARE COMPLEMENTARY; ITEMS SHOWN IN ANY ONE LOCATION IN THE DRAWINGS SHALL BE CONSIDERED TO BE REQUIREMENTS OF THE CONTRACT FOR CONSTRUCTION. IN THE EVENT OF AN INCONSISTENCY BETWEEN THE DRAWINGS AND SPECIFICATIONS, OR WITHIN EITHER DOCUMENT, THE CONTRACTOR SHALL SEEK CLARIFICATION OR INTERPRETATION FROM THE ARCHITECT PRIOR TO BIDDING. WHERE INCONSISTENCIES ARE NOT CLARIFIED PRIOR TO BIDDING, AND WHERE THE ACTUAL SOLUTION OR INTENT CANNOT BE REASONABLY INFERRED, THE CONTRACTOR SHALL PROVIDE THE BETTER QUALITY OR GREATER QUANTITY OF WORK.
7. USE OF THE WORD "VERIFY" POINTS OUT A SITUATION WHICH MUST BE CONFIRMED PRIOR TO PROCEEDING WITH THE WORK, FABRICATION OF EQUIPMENT, OR ORDERING MATERIAL. NOTIFY THE ARCHITECT OF ANY DISCREPANCY DISCOVERED.
8. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE ARCHITECT IMMEDIATELY SHOULD ANY DISCREPANCIES BE FOUND IN THE DRAWINGS AND SPECIFICATIONS.
9. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CHECKING ALL FIELD CONDITIONS AND DIMENSIONS AS THEY RELATE TO THIS PROJECT. SHOULD DISCREPANCIES EXIST BETWEEN THE WORK INDICATED AND ACTUAL FIELD CONDITIONS NOTIFY THE ARCHITECT PRIOR TO PROCEEDING WITH THE WORK.
10. DO NOT SCALE THE DRAWINGS. DRAWING SCALES AS INDICATED ARE FOR REFERENCE ONLY AND ARE NOT INTENDED TO ACCURATELY DEPICT ACTUAL OR DESIGNATED CONDITIONS. WRITTEN DIMENSIONS SHALL GOVERN. WHERE DIMENSIONS CANNOT BE DETERMINED FROM THE PLANS, DETAILS, AND SPECIFICATIONS, REQUEST CLARIFICATION FROM THE ARCHITECT.
11. ALL DIMENSIONS INDICATED ARE TO FACES OF FINSH MATERIALS OR COLUMN GRID LINES UNLESS NOTED OTHERWISE. ROUGH OPENINGS SHALL ALLOW FOR SHIM SPACE.
12. THE TERM "ALIGN" REFERS TO LOCATING DIFFERENT COMPONENTS OF CONSTRUCTION TO PROVIDE A FLUSH FINISH SURFACE.
13. SHOULD DIMENSIONS BE MISSING OR CONFLICTING, NOTIFY ARCHITECT PRIOR TO PROCEEDING WITH RELATED WORK.
14. KEYNOTES AND LEGENDS ARE TYPICAL FOR ALL FLOOR PLAN SHEETS, INDIVIDUAL NOTES MAY NOT APPLY TO EACH SHEET.
15. REFERENCE STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL FOR ITEMS. COORDINATE AS REQUIRED INCLUDING NECESSARY FRAMING, BLOCKING, ETC.
16. ALL HANDRAILS SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH ALL REQUIREMENTS OF AMERICANS WITH DISABILITIES ACT GUIDELINES AND ALL CODES AND REGULATIONS HAVING JURISDICTION, THE MOST STRINGENT SHALL PREVAIL.
17. PROVIDE MINIMUM CLEARANCES AT ALL DOORS PER DETAILS.
18. SEE STRIPING/SIGNAGE PLANS FOR DETAILS AND DIMENSIONS OF PAINTED TRAFFIC MARKINGS. PAINTED TRAFFIC MARKING SHOWN FOR COORDINATION ONLY.
19. IF DISCREPANCIES EXIST ON THE DRAWINGS, IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO SUBMIT A REQUEST FOR INFORMATION FOR CLARIFICATION FROM THE ARCHITECT.
20. DETAILS ARE INTENDED TO SHOW DESIGN INTENT FOR ACCOMPLISHING WORK. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT JOB CONDITIONS AND SHALL BE INCLUDED AS PART OF THE WORK.
21. COORDINATE THE INSTALLATION OF THE VARIOUS TRADE ITEMS WITHIN THE SPACE ABOVE CEILINGS (STRUCTURAL MEMBERS, FIREPROOFING, CONDUITS, MECHANICAL DUCTS, INSULATION, SPRINKLER LINES AND DROPS, RECESSED LIGHT FIXTURES AND CEILING CONSTRUCTION THICKNESS, ETC.) TO MAINTAIN THE FINISH CEILING HEIGHT ABOVE THE FLOOR AS INDICATED IN THESE DRAWINGS FOR THE VARIOUS ROOMS AND AREAS.
22. SEPARATE APPROVALS FOR PERMITS FROM GOVERNING AGENCIES SHALL BE REQUIRED
23. CERTAIN BUILDING SYSTEMS, INCLUDING BUT NOT LIMITED TO CURTAIN WALL SYSTEMS, MECHANICALLY FASTENED STONE VENEER AND STUD SUPPORT, FIRE PROTECTION SYSTEMS, CERTAIN LIGHT-GAUGE AND COLD ROLLED METAL FRAMING SYSTEMS, MISCELLANEOUS METALS, ORNAMENTAL RAILINGS, FIRE ALARM SYSTEMS, FIRE PUMP SYSTEMS, UNDERGROUND TANKS, FUEL OIL SYSTEMS, AND SYSTEMS WHICH REQUIRE THE SUBMISSION OF ADDITIONAL ENGINEERING CALCULATIONS OR DETAIL DRAWINGS FOR AGENCY APPROVAL. THE PREPARATION OF SUCH DOCUMENTS AND OBTAINING THE AUTHORIZATIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
24. OBTAIN ALL NECESSARY PERMITS FOR WORK, INCLUDING, BUT NOT LIMITED TO, PEDESTRIAN PROTECTION, TRAFFIC CONTROL MITIGATION, TEMPORARY STREET CLOSURE, AND OFFSITE IMPROVEMENTS. PERMITS SHALL BE OBTAINED PRIOR TO STARTING THE WORK.

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SEAL

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PROJECT INFORMATION

REHABILITATION OF GURABO PUBLIC PLAZA
GURABO, PUERTO RICO

REVISIONS

NO.	DESCRIPTION	DATE
B	60% CONSTRUCTION DOCUMENTS	05.04.2023
C	90% CONSTRUCTION DOCUMENTS	09.15.2023
E	90% REVISED CDS	11.16.2023
F	100% CDS	12.08.2023
G	90% REVISED CDS	01.25.2024

DATE ISSUED:	
REVIEWED BY:	EAS, MA
DRAWN BY:	EAZ
DESIGNED BY:	EAS, MA
PROJECT NUMBER:	22030

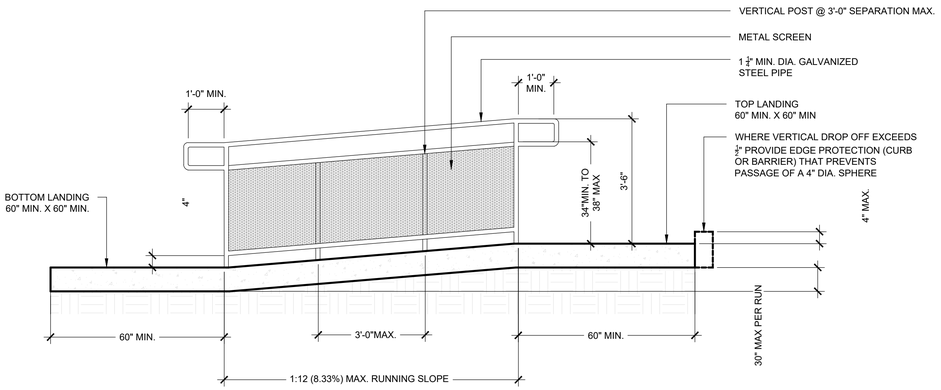
SHEET TITLE

GENERAL NOTES

SHEET ID

G003

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NOTE: GC TO VERIFY EXISTING CONDITIONS ON FIELD. RAMP DIMENSIONS TO BE PROVIDED AS PERMITTED BY EXISTING CONDITIONS.

PER THE 2018 INTERNATIONAL EXISTING BUILDING CODE, STEEPER RAMP SLOPES ARE ALLOWED IF NEEDED BY SPACE LIMITATIONS (IEBC 305.8.5)

SLOPE	MAX. RISE
1:10-1:8	0'-3"
1:12-1:10	0'-6"

RAMPS - GENERAL NOTES & DETAILS

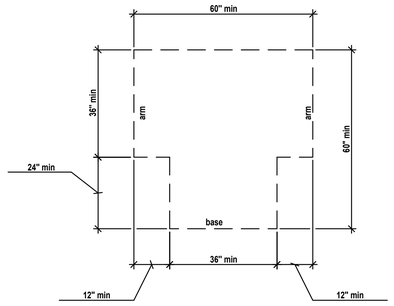
1. SLOPE: RAMP RUNS MUST HAVE A RUNNING SLOPE NOT STEEPER THAN 1:12.
2. CROSS SLOPE: CROSS SLOPE OF RAMP RUNS MUST NOT BE STEEPER THAN 1:48.
3. CLEAR WIDTH: THE CLEAR WIDTH MUST BE 36" MIN BETWEEN HANDRAILS.
4. RISE: THE RISE FOR ANY RAMP RUN MUST BE 30" MAX.
5. LANDINGS: RAMPS MUST HAVE LANDINGS AT THE TOP AND BOTTOM OF EACH RAMP RUN. LANDINGS MUST BE STABLE, FIRM, AND SLIP RESISTANT. CHANGES IN LEVEL ARE NOT PERMITTED.
   LANDING CLEAR WIDTH: AT LEAST AS WIDE AS THE WIDEST RAMP RUN LEADING TO THE LANDING.
   LANDING CLEAR LENGTH: 60" MIN.
   RAMPS THAT CHANGE DIRECTIONS BETWEEN RUNS AT LANDINGS MUST HAVE A CLEAR LANDING OF 60" MIN X 60" MIN. WHERE DOORWAYS ARE LOCATED ADJACENT TO A RAMP LANDING, MANEUVERING CLEARANCES ARE PERMITTED TO OVERLAP THE REQUIRED LANDING AREA. LANDINGS SUBJECT TO WET CONDITIONS MUST BE DESIGNED TO PREVENT THE ACCUMULATION OF WATER.
6. HANDRAILS: RAMP RUNS WITH A RISE GREATER THAN 6" MUST HAVE HANDRAILS. WHERE REQUIRED. GUARDS SHALL BE LOCATED ALONG OPEN-SIDED WALKING SURFACES, INCLUDING MEZZANINES, EQUIPMENT PLATFORMS, AISLES, STAIRS, RAMPS AND LANDINGS THAT ARE LOCATED MORE THAN 30 INCHES (762 MM) MEASURED VERTICALLY TO THE FLOOR OR GRADE BELOW AT ANY POINT WITHIN 36 INCHES (914 HORIZONTALLY TO THE EDGE OF THE OPEN SIDE. GUARDS SHALL BE ADEQUATE IN STRENGTH AND ATTACHMENT IN ACCORDANCE WITH SECTION 1607.8.
7. FLOOR OR GROUND SURFACES: FLOOR OR GROUND SURFACES OF RAMP RUNS MUST BE STABLE, FIRM, AND SLIP RESISTANT. CHANGES IN LEVEL OTHER THAN THE RUNNING SLOPE AND CROSS SLOPE ARE NOT PERMITTED ON RAMP RUNS.
8. EDGE PROTECTION: EDGE PROTECTION MUST BE PROVIDED ON EACH SIDE OF RAMP RUNS AND AT EACH SIDE OF RAMP LANDINGS. THE FLOOR OR GROUND SURFACE OF THE RAMP RUN OR LANDING MUST EXTEND 12" MIN. BEYOND THE INSIDE FACE OF A HANDRAIL. THE EXTEND SURFACE PREVENTS WHEELCHAIR CASTERS AND CRUTCH TIPS FROM SLIPPING OFF THE RAMP SURFACE. A CURB OR BARRIER MUST BE PROVIDED THAT PREVENTS THE PASSAGE OF A 4" DIAMETER SPHERE, WHERE ANY PORTION OF THE SPHERE IS WITHIN 4" OF THE FINISH FLOOR OR GROUND SURFACE.
9. DRAINAGE: EXPOSED EXTERIOR RAMPS SHALL BE CONSTRUCTED TO PREVENT ACCUMULATION OF WATER.

GENERAL NOTES

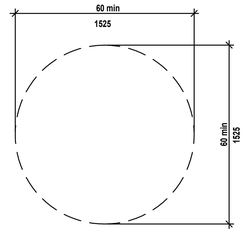
1. FOR EXISTING FACILITIES, EACH ALTERED ELEMENT SHALL COMPLY WITH CHAPTER 2 OF THE 2010 ADA. IF COMPLIANCE IS TECHNICALLY INFEASIBLE, THE ALTERATION SHALL COMPLY WITH THE REQUIREMENTS TO THE MAXIMUM EXTENT FEASIBLE.
2. PER SECTION 202.3 OF THE 2010 ADA, UNLESS ALTERATION AFFECTS A PRIMARY FUNCTION AREA, WHERE ELEMENTS OR SPACES ARE ALTERED AND THE CIRCULATION PATH TO THE ALTERED ELEMENT OR SPACE IS NOT ALTERED, AN ACCESSIBLE ROUTE IS NOT REQUIRED.

A1 TYPICAL ADA RAMP DESIGN GUIDELINES

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



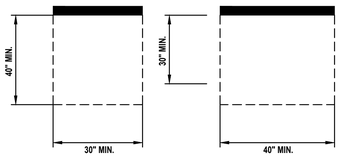
T- SHAPED



CIRCULAR

C4 ADA TURNING SPACE

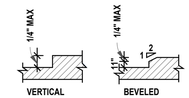
SCALE: 1/2"=1'-0"



FORWARD PARALLEL

B5 CLEAR GROUND SPACE

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



VERTICAL BEVELED

A5 ADA CHANGE LEVEL

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

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PROJECT INFORMATION

REHABILITATION OF GURABO PUBLIC PLAZA GURABO, PUERTO RICO

REVISIONS

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REVIEWED BY:	EAS, MA
DRAWN BY:	EAZ
DESIGNED BY:	EAS, MA
PROJECT NUMBER:	22030

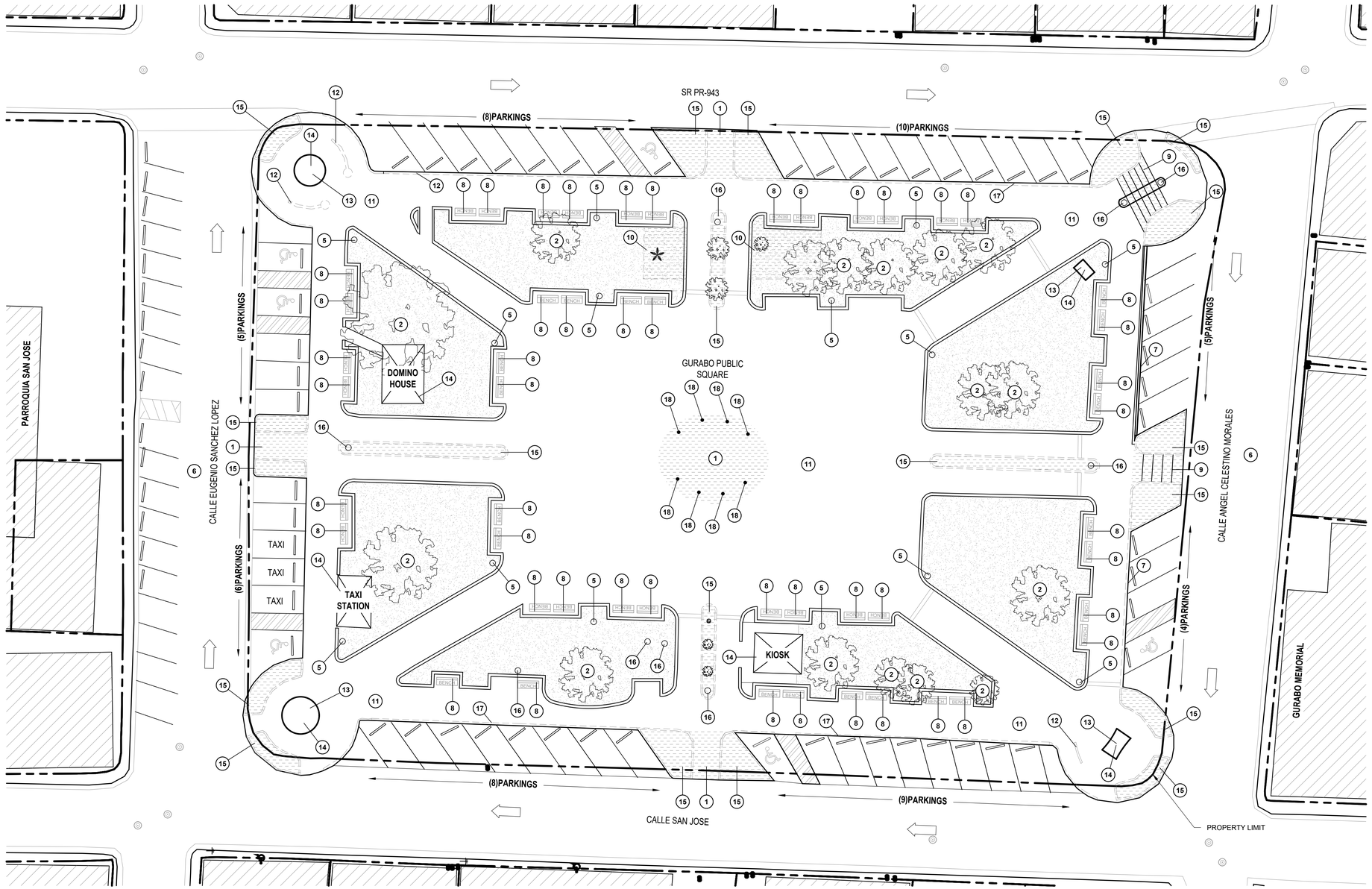
SHEET TITLE

ADA STANDARDS FOR ACCESIBILITY

SHEET ID

G004

7/9/2020 3:15:46 PM F:_Projects\22030 (Plaza de Gurabo)\02 DESIGN\02 Drawings\05 Architecture\22030-G004.dwg



A1 EXISTING CONDITIONS & SELECTIVE DEMOLITION SITE PLAN

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

16 0 16 32

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

LEGEND & SHEET NOTES

- EXISTING BUILDINGS
- EXISTING TO BE DEMOLISHED REFER TO SHEET KEYNOTES
- GREEN AREA
- EXISTING CURBS TO BE DEMOLISHED

GENERAL SHEET NOTES

1. ALL DIMENSIONS SHOWN ARE TO FACE OF FINISH, U.O.N.
2. THIS IS NOT A SURVEY PLAN.
3. THIS IS NOT A PROPERTY LIMIT STUDY.
4. CG TO VERIFY ALL EXISTING DIMENSIONS IN FIELD.
5. EXISTING BENCH PLATES TO BE DOCUMENTED AND PRESERVED.

SHEET KEYNOTES (○)

1. COMPLETELY DEMOLISH AND DISPOSE MATERIAL.
2. EXISTING TREE TO REMAIN, PROTECT DURING CONSTRUCTION.
3. EXISTING WATER METER TO REMAIN. (NOT USED).
4. EXISTING ELECTRICAL METER TO REMAIN. (NOT USED).
5. EXISTING STREET LUMINARY TO REMAIN. PROTECT DURING CONSTRUCTION.
6. EXISTING STREET TO BE PARTIALLY DEMOLISHED. REFER TO CIVIL DRAWINGS.
7. EXISTING RETAINING WALL AND RAILING TO REMAIN. REMOVE FINISH MATERIAL PATCH & REPAIR AS REQUIRED.
8. EXISTING BENCH TO BE REMOVED AND DISPOSE THE MATERIAL.
9. EXISTING STAIR TO BE DEMOLISHED AND DISPOSE THE MATERIAL.
10. EXISTING RAISED PLANTER AND TREES TO BE DEMOLISHED AS INDICATED.
11. EXISTING CONCRETE STAMP PATTERN TO BE REMOVED AND REPLACED FOR NEW FINISH.
12. EXISTING WALL TO BE COMPLETELY DEMOLISHED.
13. REMOVE & PROTECT EXISTING SCULPTURES DURING CONSTRUCTION. REFINISH EXISTING SCULPTURES AS NEEDED.
14. DEMOLISH EXISTING STRUCTURE AND DISPOSE MATERIAL AS NEEDED.
15. EXISTING PLANTER TO BE DEMOLISHED AND DISPOSE MATERIAL.
16. REMOVE STREET LUMINARY AND STORE TO BE RELOCATED. PROTECT DURING CONSTRUCTION.
17. EXISTING RAILING TO BE DEMOLISHED AND DISPOSE MATERIAL.
18. EXISTING BOLLARDS TO BE REMOVED AND DISPOSED BY GC.

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PROJECT INFORMATION

REHABILITATION OF GURABO PUBLIC PLAZA GURABO, PUERTO RICO

REVISIONS

NO.	DESCRIPTION	DATE
A	30% CONSTRUCTION DOCUMENTS	02.09.2023
B	60% CONSTRUCTION DOCUMENTS	05.04.2023
C	90% CONSTRUCTION DOCUMENTS	09.15.2023
E	90% REVISED CDS	11.16.2023
F	100% CDS	12.08.2023
G	90% REVISED CDS	01.24.2024

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REVIEWED BY:	EAS, MA
DRAWN BY:	EAZ
DESIGNED BY:	EAS, MA
PROJECT NUMBER:	22030

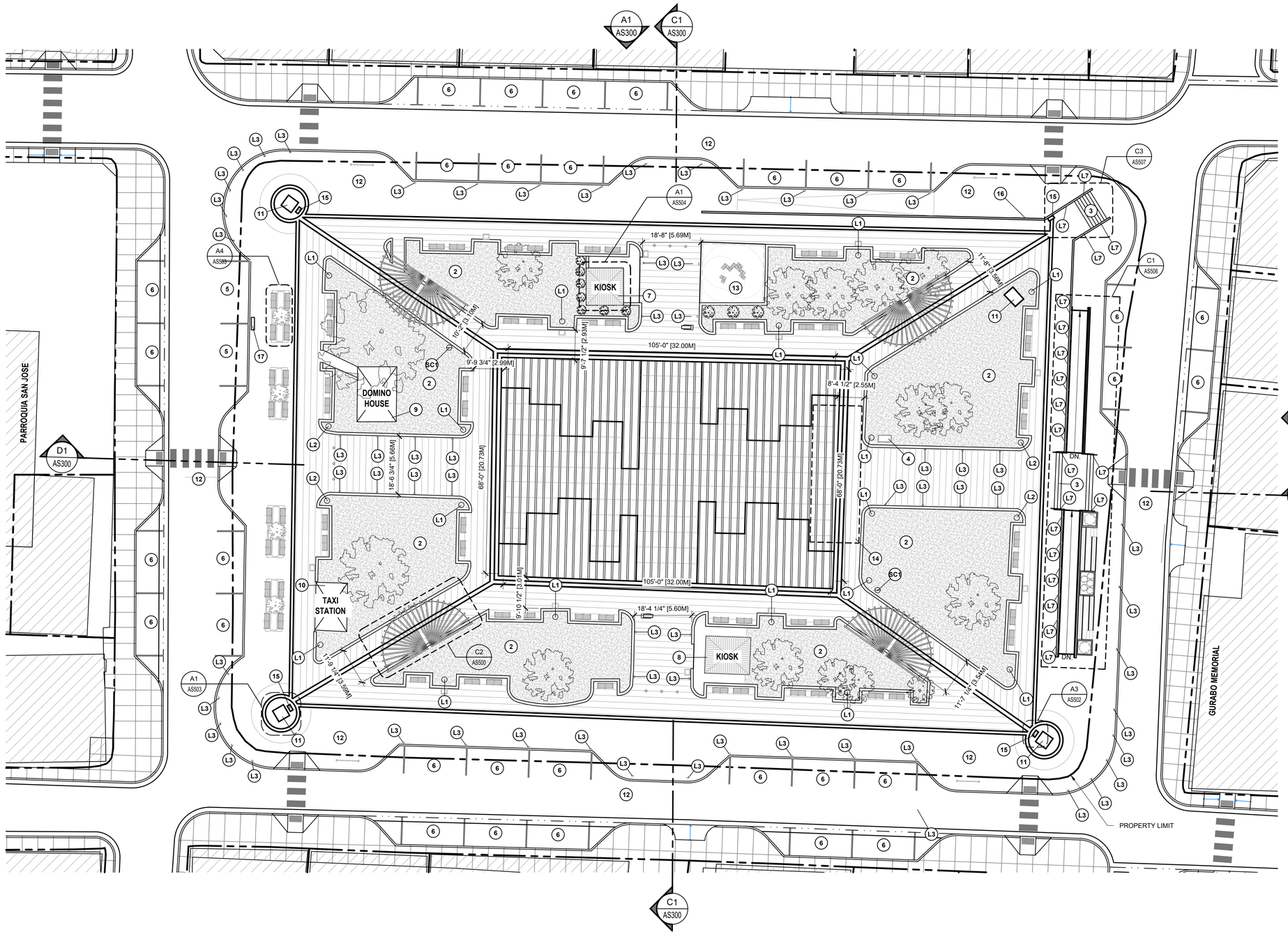
SHEET TITLE

EXISTING CONDITIONS & SELECTIVE DEMOLITION SITE PLAN

SHEET ID

ASD100

7/8/2020 3:15:46 PM F:_Projects\22030 (Plaza de Gurabo)\02 DESIGN\02 Drawings\05 Architecture\22030-ASD100.dwg



A1 ARCHITECTURAL SITE PLAN - TOP VIEW (ROOF PLAN)

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

16 0 16 32

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

LEGEND & SHEET NOTES

PARTITION LEGEND

GENERAL SHEET NOTES

1. ALL DIMENSIONS SHOWN ARE TO FACE OF FINISH, U.O.N.
2. THE CONTRACTOR SHALL FIELD CHECK AND VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION, NOTIFY THE OWNER'S REPRESENTATIVES OF ANY DISCREPANCY IMMEDIATELY.
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4. DO NOT SCALE DRAWINGS.

SHEET KEYNOTES (⬡)

1. NOT USED
2. GREEN AREA
3. STAIRS
4. ELECTRIC PROVISION FOR FUTURE STAGE
5. PROPOSED EV CHARGER STATION PARKING
6. PARALLEL PARKING. REFER TO CIVIL DWG FOR ADA COMPLIANT PARKINGS.
7. NEW KIOSK STRUCTURE WITH WATER CONNECTION TO EXISTING SYSTEM
8. EXISTING KIOSK TO REMAIN
9. EXISTING DOMINO HOUSE TO REMAIN
10. EXISTING TAXI STATION TO REMAIN
11. EXISTING REFURBISHED SCULPTURE
12. REFER TO CIVIL DRAWING FOR SIDEWALK, CROSSWALK AND PARKING DESIGN
13. CONCRETE PAD FOR FUTURE PLAYGROUND AND COLORED BLOCKS LOCATION
14. AREA FOR TEMPORARY STAGES
15. BRAILLE PEDESTAL
16. PLAZA-SIGNAGE
17. EV CHARGING STATION

L1. EXISTING LAMP POSTS
L2. EXISTING LAMP POSTS (DOUBLE)
L3. BOLLARD
L7. RECESSED WALL LUMINAIRE
SC1. SECURITY CAMERA (SUPPLIED BY GENERAL CONTRACTOR)

REFER TO LIGHTING SCHEDULE AT AS600 FOR MORE DETAILS

SQUARE FOOTAGE TABLE

OWNER

Gurabo
CIUDAD DE LAS ESCALERAS

PROPONENT

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PROJECT MANAGEMENT • ENGINEERING • DESIGN
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SEAL

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PROJECT INFORMATION

REHABILITATION OF GURABO PUBLIC PLAZA GURABO, PUERTO RICO

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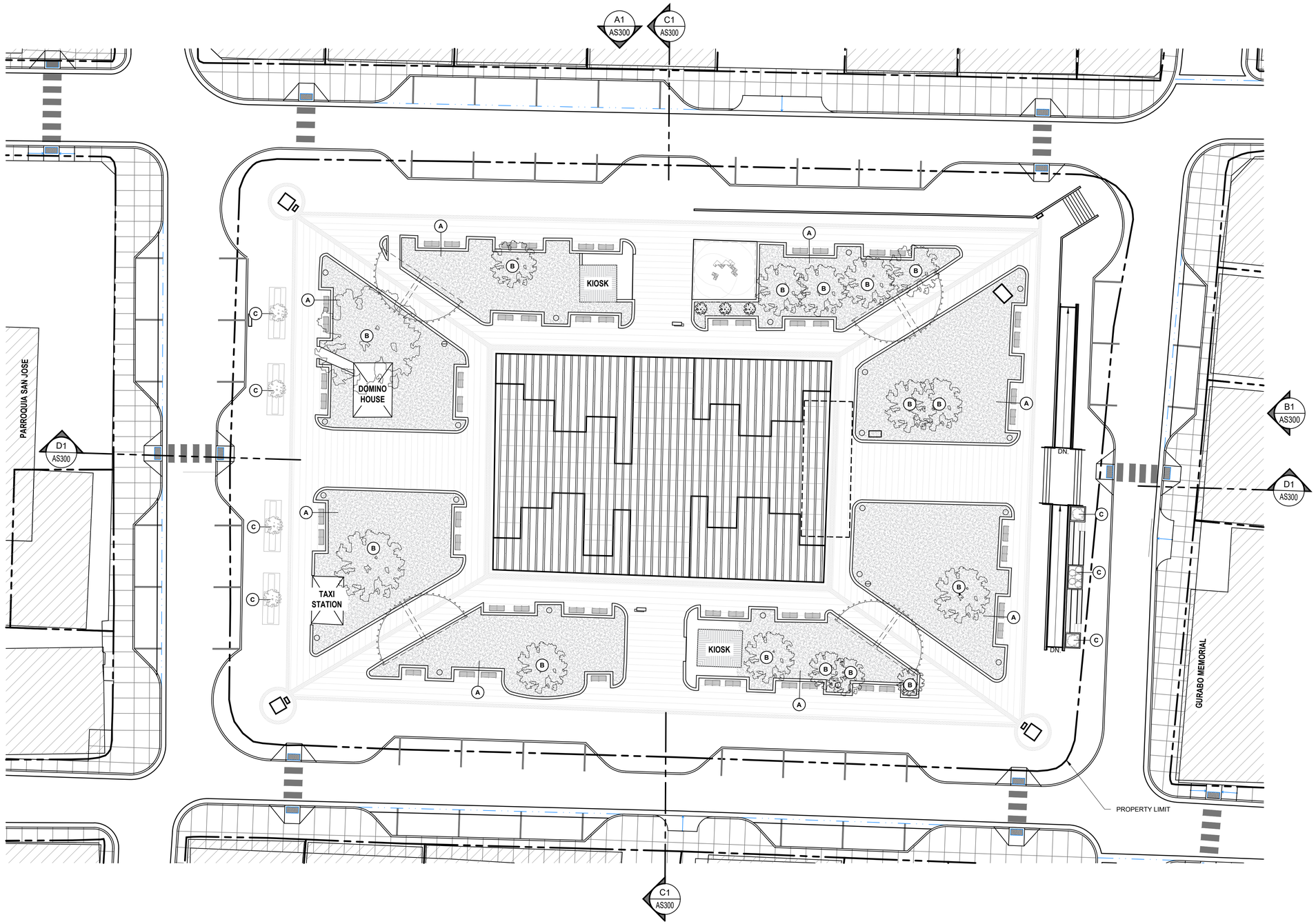
SHEET TITLE

ARCHITECURAL SITE PLAN - TOP VIEW (ROOF PLAN)

SHEET ID

AS100

7/9/2020 3:15:46 PM F:_Projects\22030 (Plaza de Gurabo)\02 DESIGN\02 Drawings\05 Architecture\22030-AS100.dwg



LEGEND & SHEET NOTES

PARTITION LEGEND

GENERAL SHEET NOTES

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SHEET KEYNOTES (⬡)

A. EXISTING RAISED PLANTERS
B. EXISTING TREE
C. NEW RAISED PLANTERS

REFER TO LANDSCAPE AND GREEN AREA SCHEDULE AT AS600 FOR MORE DETAILS

SQUARE FOOTAGE TABLE

OWNER

Gurabo
CIUDAD DE LAS ESCALERAS

PROPONENT

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PROJECT INFORMATION

REHABILITATION OF GURABO PUBLIC PLAZA
GURABO, PUERTO RICO

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DATE ISSUED:	
REVIEWED BY:	EAS, MA
DRAWN BY:	EAZ
DESIGNED BY:	EAS, MA
PROJECT NUMBER:	22030

SHEET TITLE

OVERALL ARCHITECTURAL SITE PLAN - LANDSCAPE & GREEN AREAS

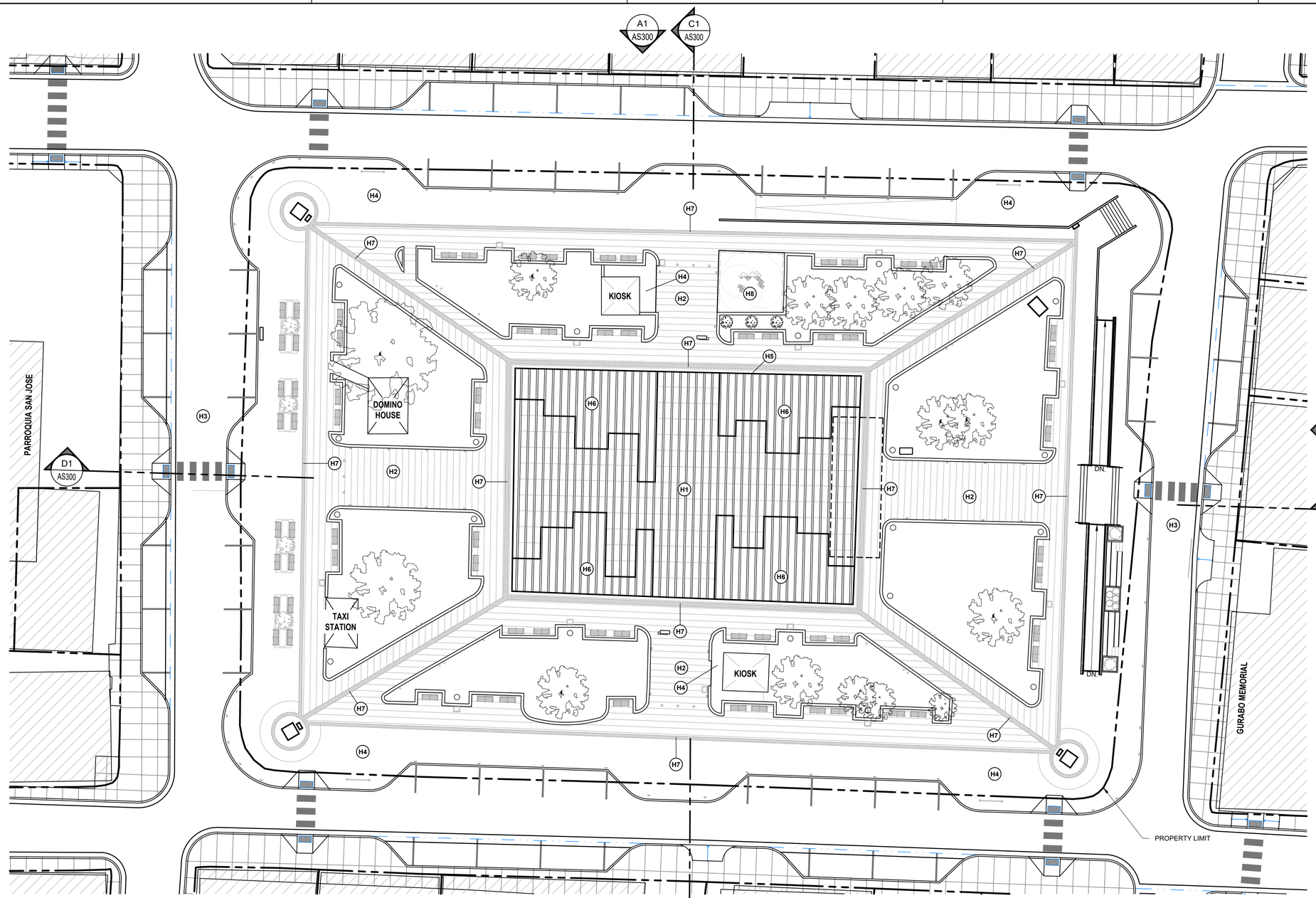
SHEET ID

AS101

A1 **OVERALL ARCHITECTURAL SITE PLAN - LANDSCAPE & GREEN AREA**
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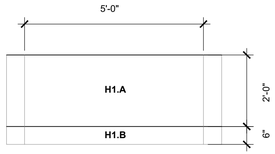
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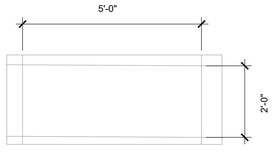
B1 OVERALL ARCHITECTURAL SITE PLAN - HARDSCAPE FLOOR FINISHES

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



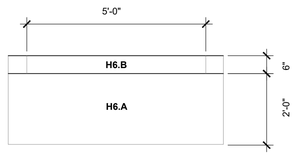
A1 HARDSCAPE FLOOR FINISH DETAIL - H1

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



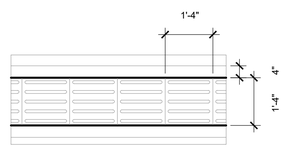
A2 HARDSCAPE FLOOR FINISH DETAIL - H2

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



A3 HARDSCAPE FLOOR FINISH DETAIL - H6

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



A4 HARDSCAPE FLOOR FINISH DETAIL - H7

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

16 0 16 32

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

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PARTITION LEGEND

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4. DO NOT SCALE DRAWINGS.

SHEET KEYNOTES (⬡)

H1. CONCRETE PAVING TEXTURE. REFER TO STRUCTURAL DWG FOR NEW SLAB STRUCTURAL DETAILS.
H2. BROOM FINISH PAVING TEXTURE
H3. ROAD PAVING TEXTURE
H4. CONCRETE UNIT PAVING
H5. STAMPED CONCRETE
H6. STAMPED CONCRETE
H7. BRAILLE PAVING TEXTURE
H8. RUBBER TILES

REFER TO HARDSCAPES FLOOR FINISHES SCHEDULE AT AS600 FOR MORE DETAILS

SQUARE FOOTAGE TABLE

OWNER

Gurabo
CIUDAD DE LAS ESCALERAS

PROPONENT

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REHABILITATION OF GURABO PUBLIC PLAZA GURABO, PUERTO RICO

REVISIONS

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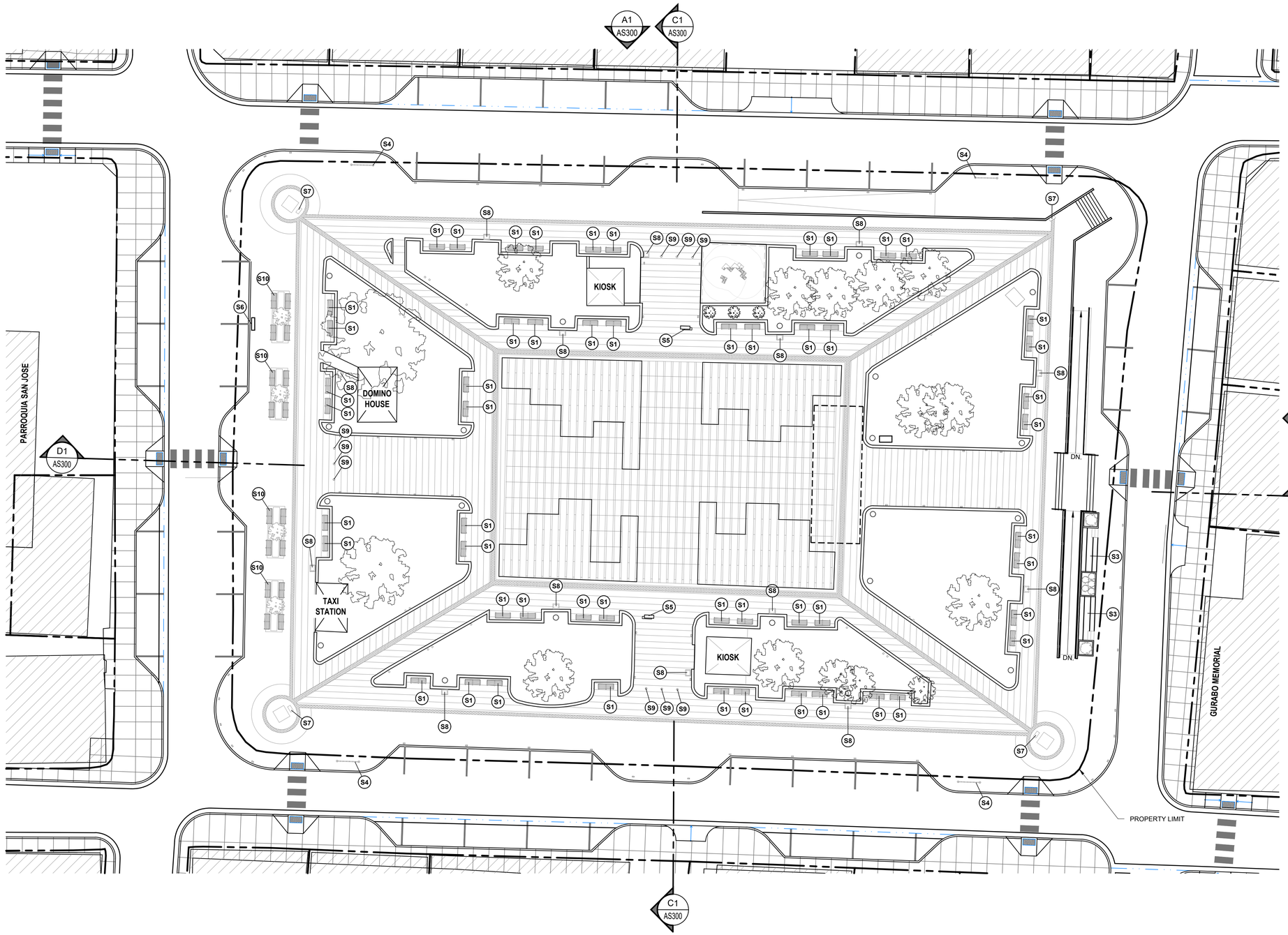
SHEET TITLE

OVERALL ARCHITECTURAL SITE PLAN - HARDSCAPE FLOOR FINISHES

SHEET ID

AS102

7/8/2020 3:15:46 PM F:_Projects\22030 (Plaza de Gurabo)\02 DESIGN\02 Drawings\05 Architecture\22030-AS102.dwg



A1 ARCHITECTURAL SITE PLAN- SITE FURNISHINGS

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

16 0 16 32

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

LEGEND & SHEET NOTES

PARTITION LEGEND

GENERAL SHEET NOTES

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SHEET KEYNOTES (⬡)

S1. BENCH
S2. NOT USED
S3. BLEACHERS
S4. BIKE RACK
S5. WAYFINDING MONUMENT SIGN
S6. EV CHARGING STATION
S7. BRAILLE PEDESTAL
S8. TRASH BINS
S9. REMOVABLE BOLLARD
S10. BENCH CLUSTER

REFER TO SITE FURNISHINGS SCHEDULE AT AS600 FOR MORE DETAILS

SQUARE FOOTAGE TABLE

OWNER

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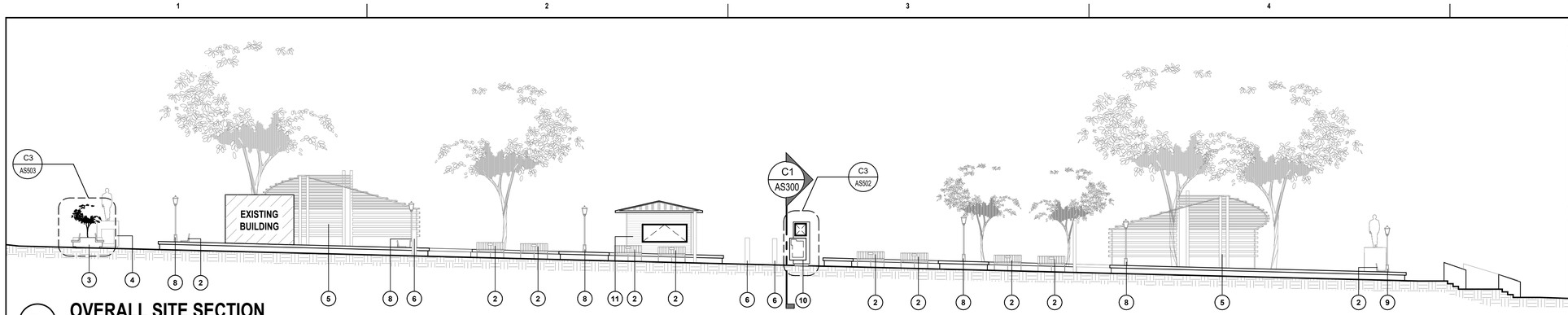
SHEET TITLE

ARCHITECTURAL SITE PLAN - SITE FURNISHINGS

SHEET ID

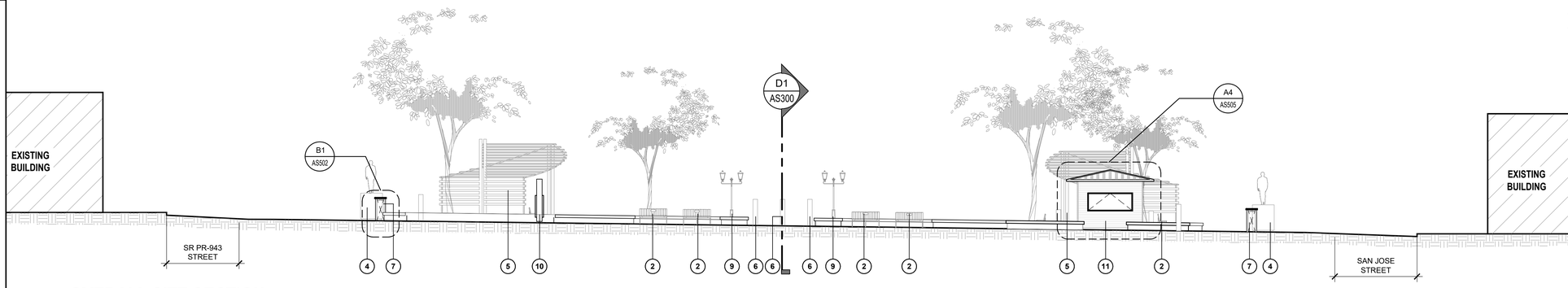
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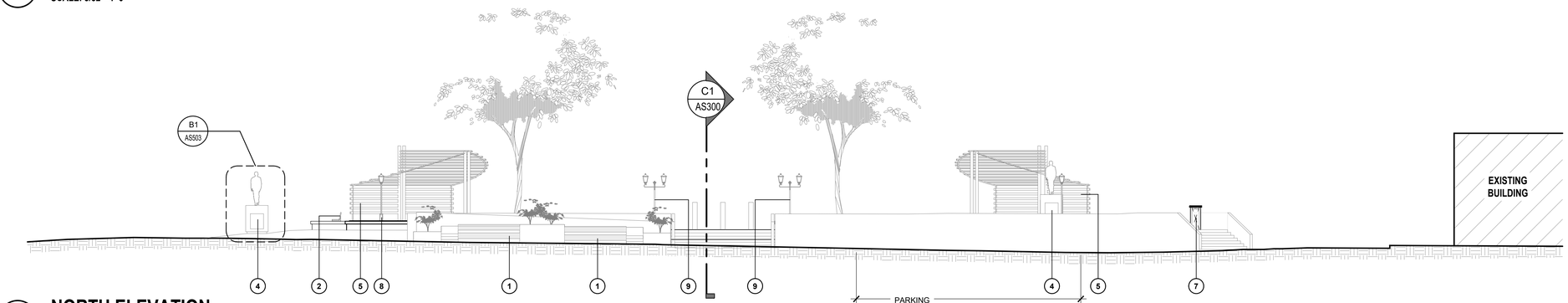
D1 OVERALL SITE SECTION

SCALE: 3/32"=1'-0"



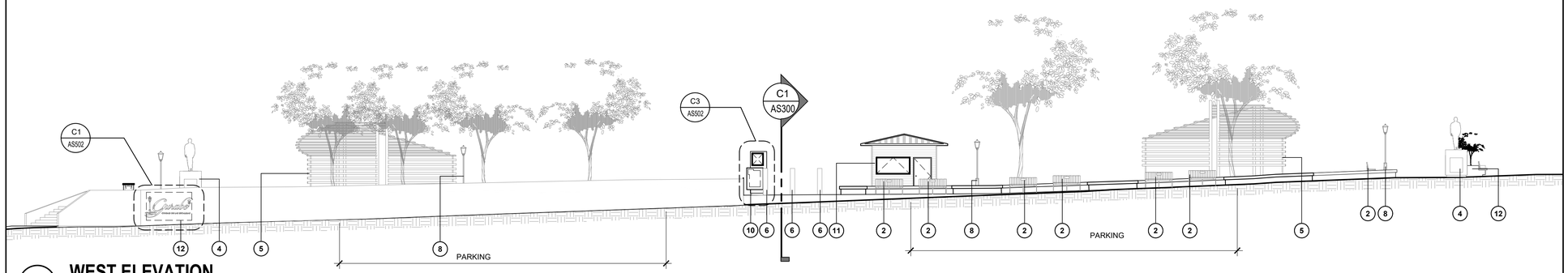
C1 OVERALL SITE SECTION

SCALE: 3/32"=1'-0"



B1 NORTH ELEVATION

SCALE: 3/32"=1'-0"



A1 WEST ELEVATION

SCALE: 3/32"=1'-0"

LEGEND & SHEET NOTES

PARTITION LEGEND

GENERAL SHEET NOTES

1. - ALL DIMENSIONS SHOWN ARE TO FACE OF FINISH, U.O.N.
2. SECTIONS 7 ELEVATIONS SHOWN ARE FOR CONTEXT ILLUSTRATION. SEE AS100 FOR SPOT LEVEL HEIGHTS.

SHEET KEYNOTES (⎔)

1. BLEACHERS
2. BENCHES
3. BENCH CLUSTERS
4. STATUE
5. TRELLIS GAZEBO
6. REMOVABLE BOLLARDS
7. BRAILLE WAYFINDING
8. LAMP POST (SINGLE)
9. LAMP POST (DOUBLE)
10. WAYFINDING SIGN
11. NEW KIOSK
12. MONUMENT SIGN

SQUARE FOOTAGE TABLE

OWNER

Gurabo
CIUDAD DE LAS ESCALERAS

PROPONENT

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PROJECT MANAGEMENT • ENGINEERING • DESIGN

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SEAL

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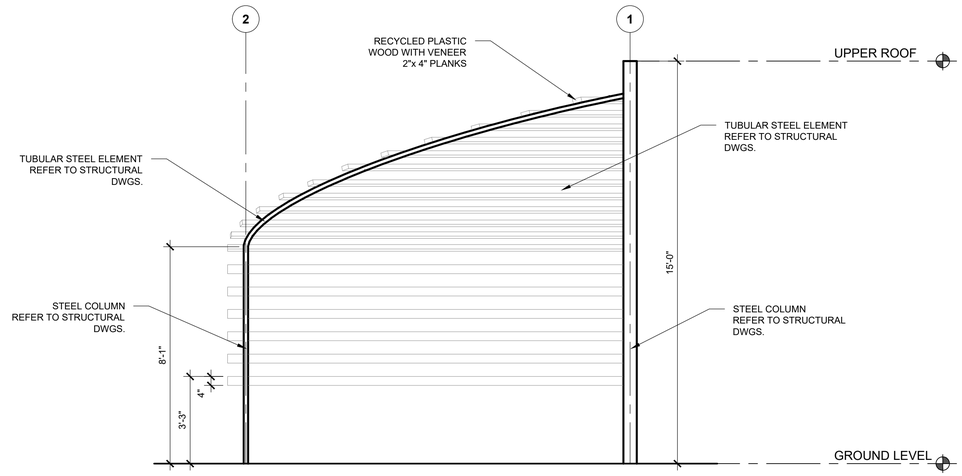
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SITE SECTIONS & ELEVATIONS

SHEET ID

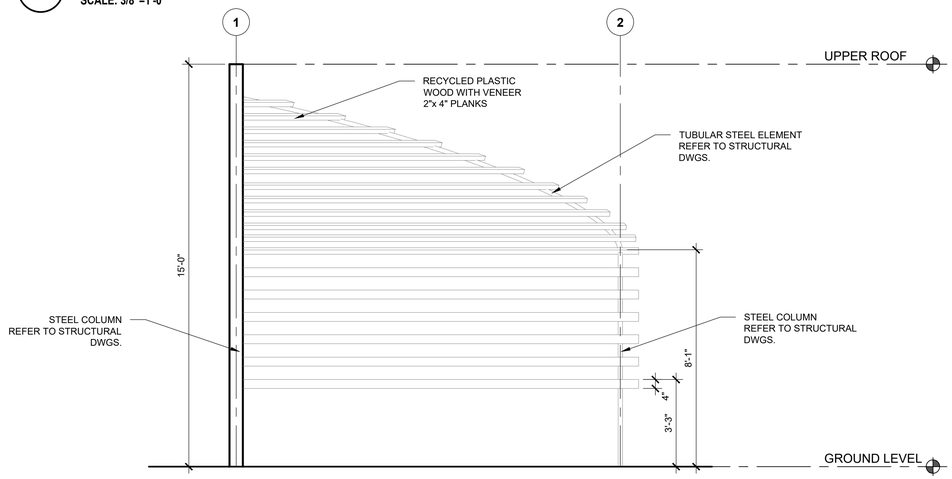
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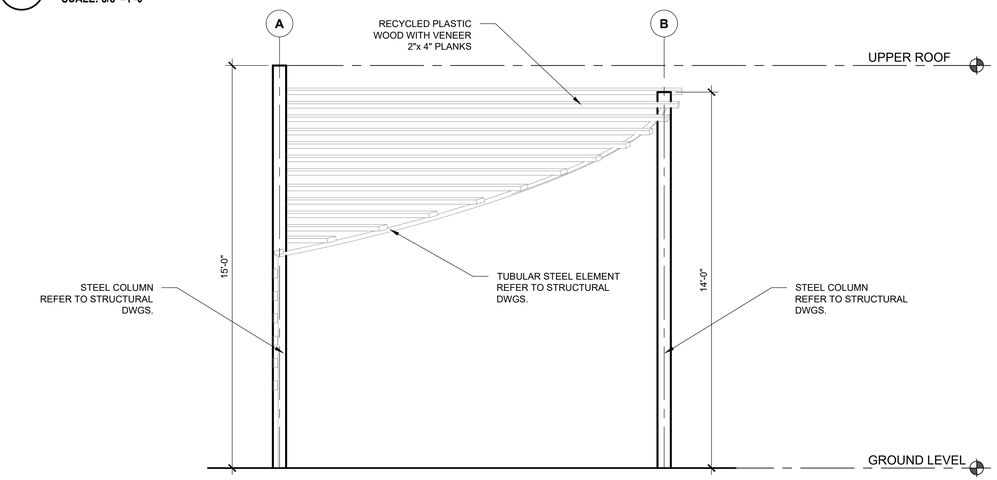
C1 REAR VIEW- TRELLIS GAZEBO

SCALE: 3/8"=1'-0"



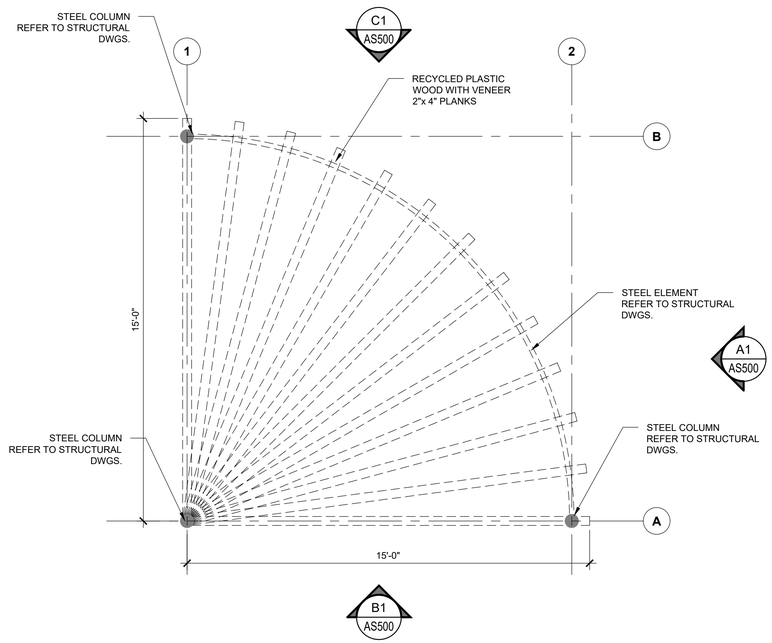
B1 FRONT VIEW- TRELLIS GAZEBO

SCALE: 3/8"=1'-0"



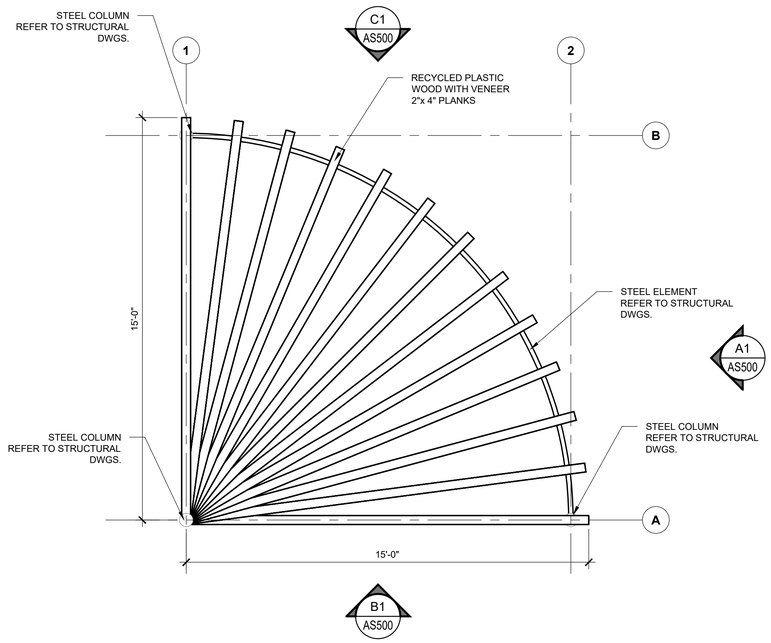
A1 SIDE VIEW- TRELLIS GAZEBO

SCALE: 3/8"=1'-0"



C4 FLOOR PLAN- TRELLIS GAZEBO

SCALE: 3/8"=1'-0"



A4 TOP VIEW- TRELLIS GAZEBO

SCALE: 3/8"=1'-0"

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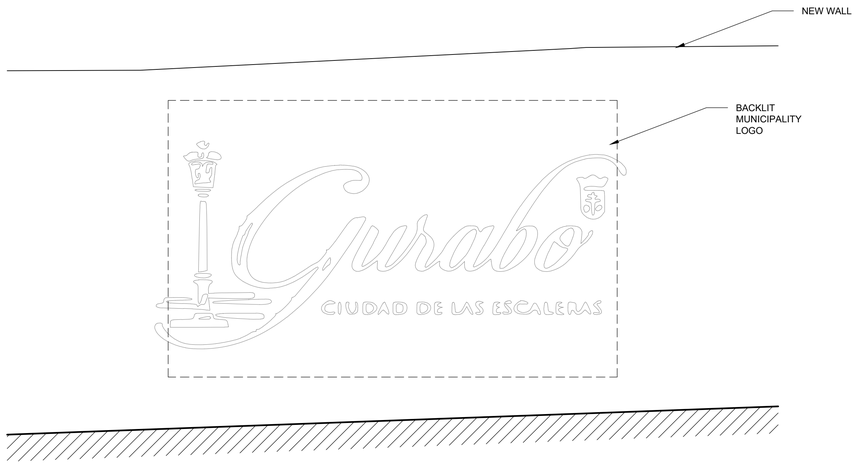
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ARCHITECTURAL
SITE ELEMENTS
AND OUTDOOR
DETAILS

SHEET ID

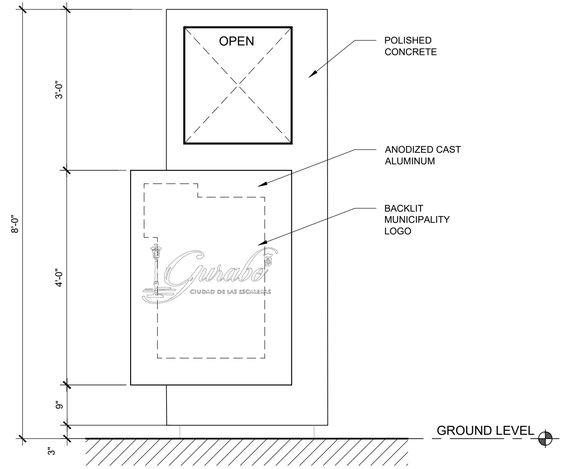
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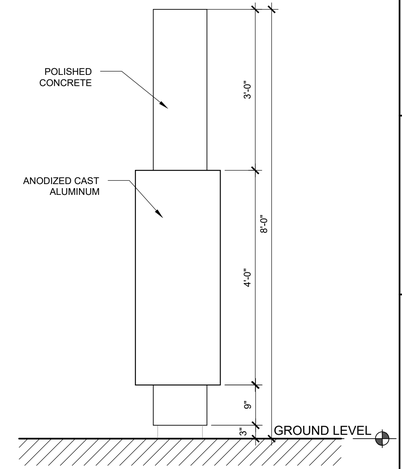
C1 GURABO MONUMENT SIGN- ELEVATION

SCALE: 1"=1'-0"



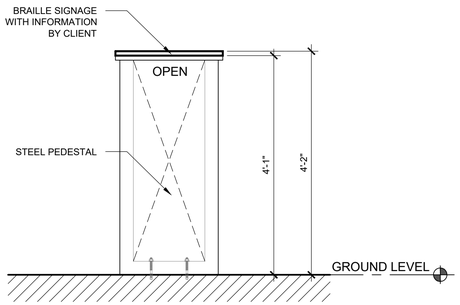
C3 WAYFINDING SIGN FRONT ELEVATION

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



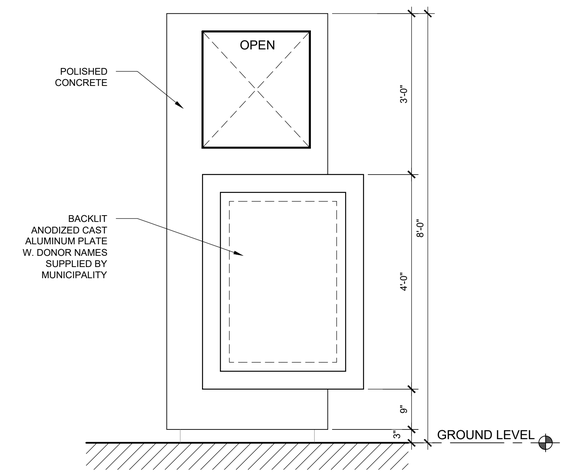
C5 WAYFINDING SIGN SIDE ELEVATION

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



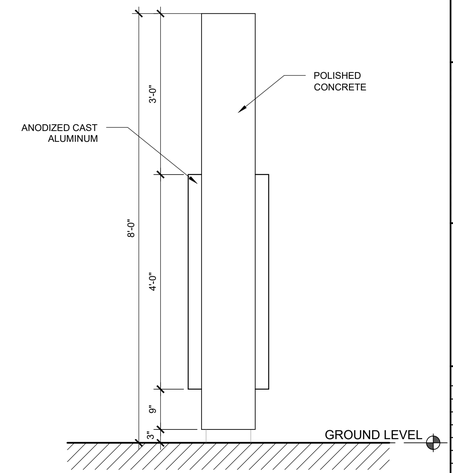
B1 BRAILLE WAYFINDING ELEVATION

SCALE: 1"=1'-0"



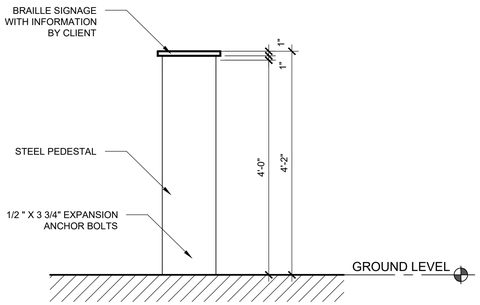
B3 WAYFINDING SIGN BACK ELEVATION

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



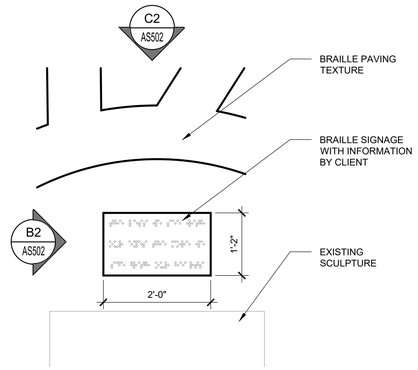
B5 WAYFINDING SIGN SIDE ELEVATION

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



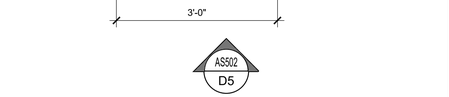
A1 BRAILLE WAYFINDING ELEVATION

SCALE: 1"=1'-0"



A2 BRAILLE WAYFINDING TOP VIEW

SCALE: 1"=1'-0"



A5 FLOOR PLAN - WAYFINDING SIGN

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

OWNER

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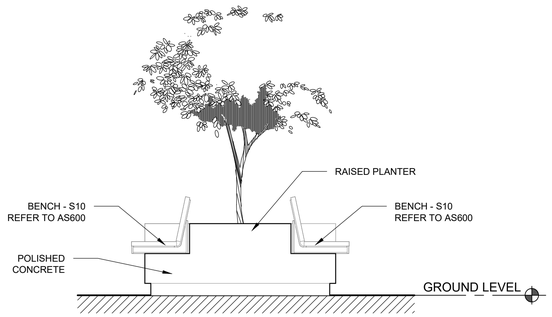
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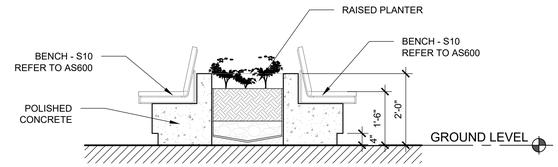
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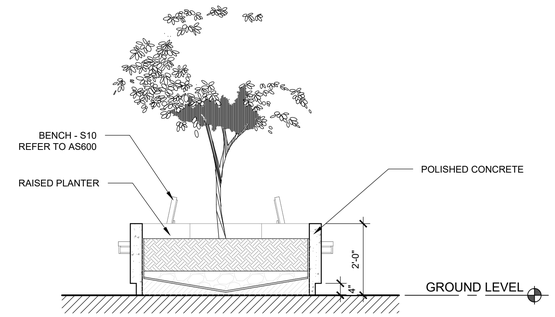
C2 SIDE ELEVATION- BENCH CLUSTER

SCALE: 3/8"=1'-0"



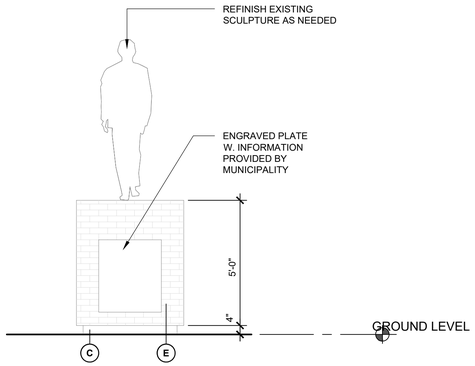
C3 SECTION- BENCH CLUSTER

SCALE: 3/8"=1'-0"



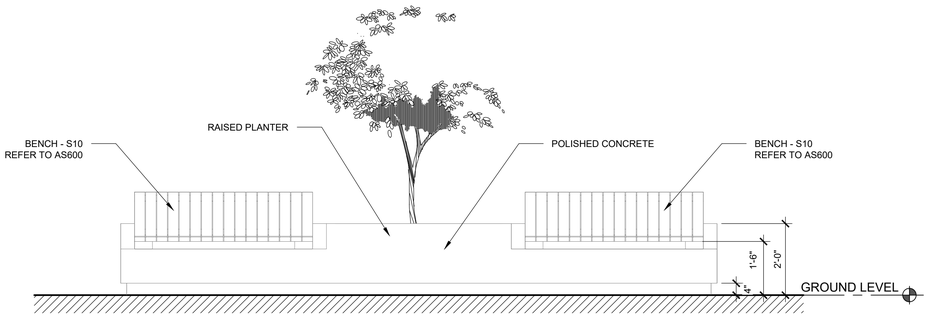
C4 SECTION- BENCH CLUSTER

SCALE: 3/8"=1'-0"



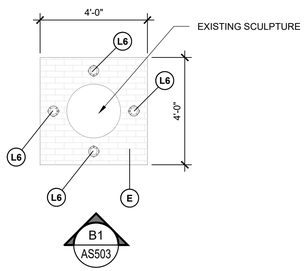
B1 FRONT VIEW- SCULPTURE

SCALE: 3/8"=1'-0"



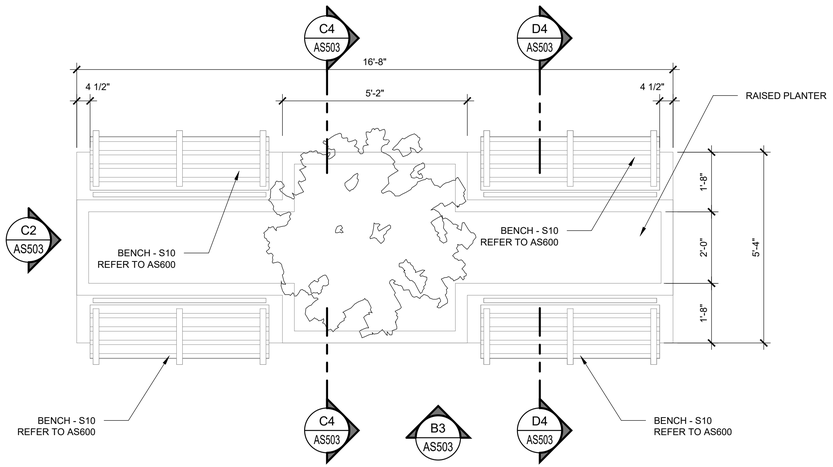
B3 FRONT ELEVATION- BENCH CLUSTER

SCALE: 3/8"=1'-0"



A1 TOP VIEW- SCULPTURE

SCALE: 3/8"=1'-0"



A3 TOP VIEW - BENCH CLUSTER

SCALE: 3/8"=1'-0"

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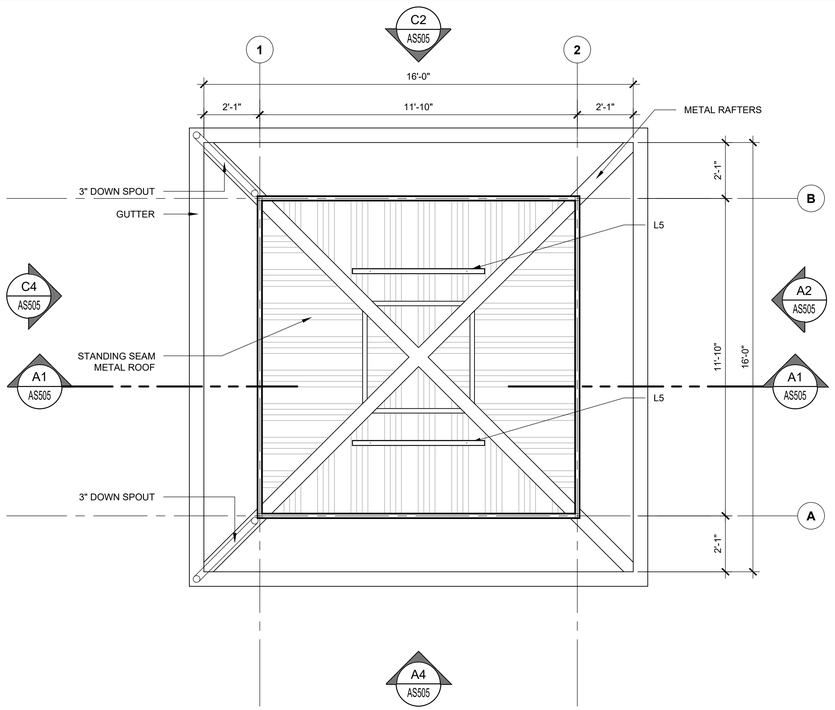
SHEET TITLE

ARCHITECTURAL
SITE ELEMENTS
AND OUTDOOR
DETAILS

SHEET ID

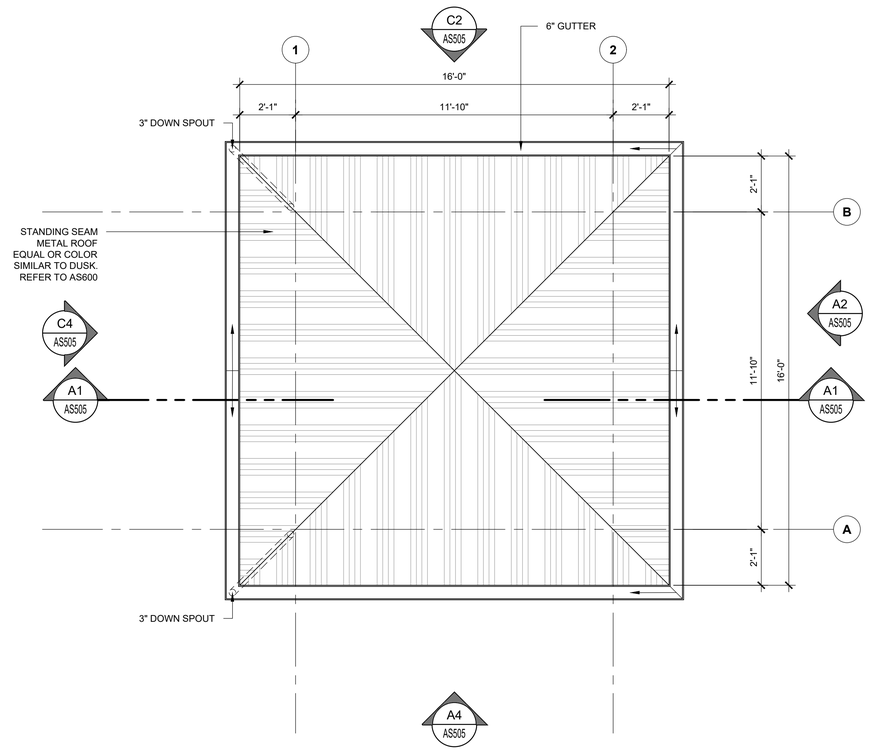
AS503

7/8/2020 3:15:46 PM F:_Projects\22030 (Plaza de Gurabo)\02 DESIGN\02 Drawings\05 Architecture\22030-AS503.dwg



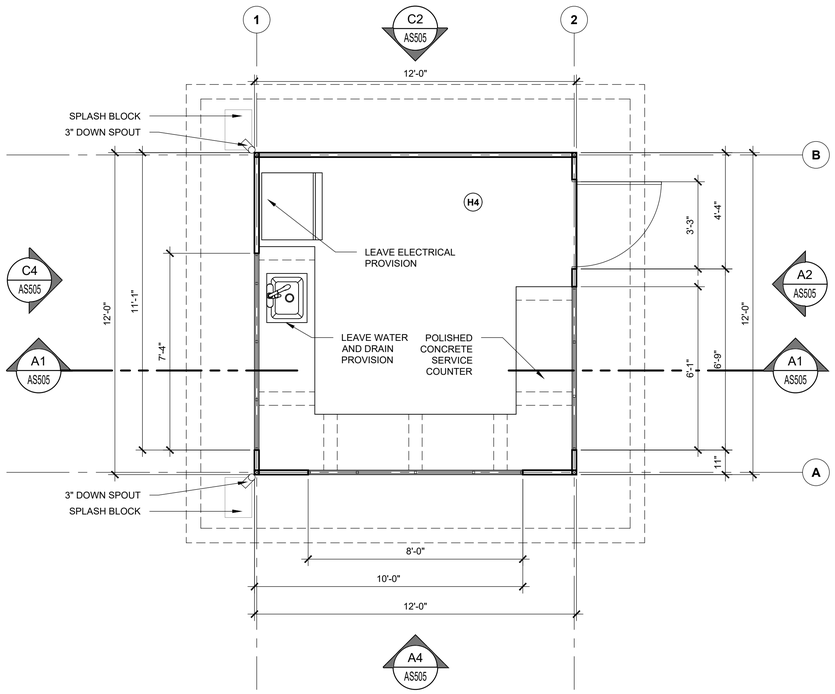
C4 REFLECTED CEILING PLAN - NEW KIOSK

SCALE: 3/8"=1'-0"



A1 ROOF PLAN - NEW KIOSK

SCALE: 3/8"=1'-0"



A4 FLOOR PLAN - NEW KIOSK

SCALE: 3/8"=1'-0"

OWNER

Gurabo
CIUDAD DE LAS ESCALERAS

PROPONENT

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SEAL

YO, MONIQUE LUGO LOPEZ, LIC. 16182, CERTIFICO QUE SOY EL PROFESIONAL QUE CONFECCIONÓ Y/O DISEÑÓ Y/O PREPARÓ ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIÉN CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE 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 NÚM. 14 DEL 8 DE ENERO DE 2004, SEGÚN ENMENDADA, CONOCIDA COMO LEY PARA LA INVERSIÓN POR LA INDUSTRIA PUERTORRIQUEÑA Y CON LA LEY NÚM. 319 DEL 15 MAYO DE 1938 , SEGÚN ENMENDADA; LEY NÚM. 96 DEL 6 DE JULIO DE 1978, SEGÚN ENMENDADA; SEGÚN APLIQUE). RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIONES DE LOS HECHOS QUE SE HAYA PRODUCIDO POR DESCONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MÍ, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR LA OGPE.

PROJECT INFORMATION

REHABILITATION OF GURABO PUBLIC PLAZA
GURABO, PUERTO RICO

REVISIONS

NO.	DESCRIPTION	DATE
B	60% CONSTRUCTION DOCUMENTS	05.04.2023
C	90% CONSTRUCTION DOCUMENTS	09.15.2023
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F	100% CDS	12.08.2023
G	90% REVISED CDS	01.24.2024

DATE ISSUED:	
REVIEWED BY:	EAS, MA
DRAWN BY:	EAZ
DESIGNED BY:	EAS, MA
PROJECT NUMBER:	22030

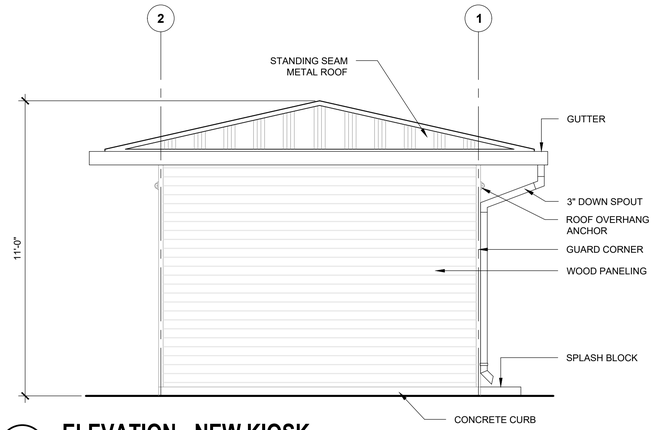
SHEET TITLE

ARCHITECTURAL SITE ELEMENTS AND OUTDOOR DETAILS

SHEET ID

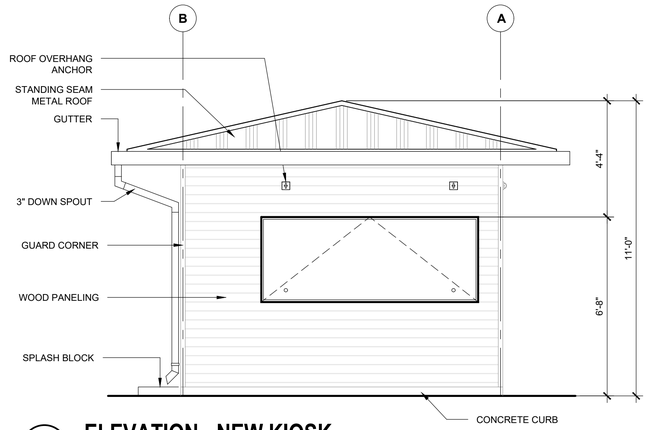
AS504

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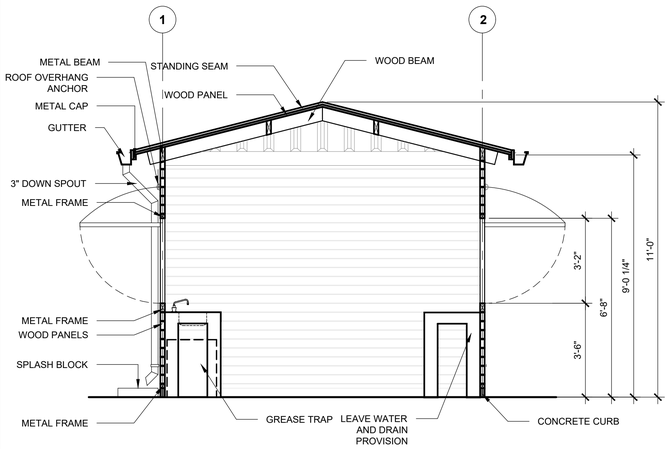
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SCALE: 3/8"=1'-0"



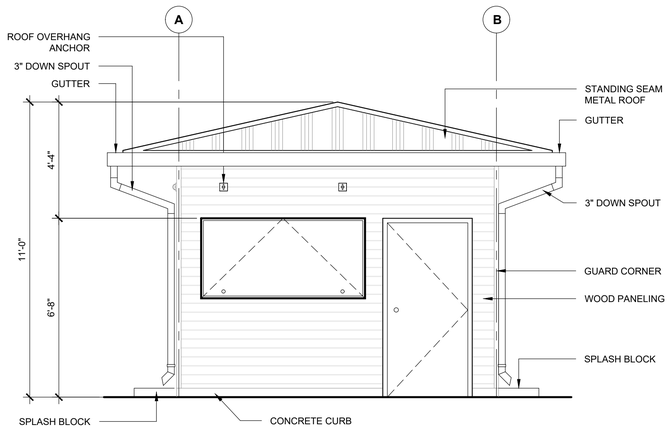
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SCALE: 3/8"=1'-0"



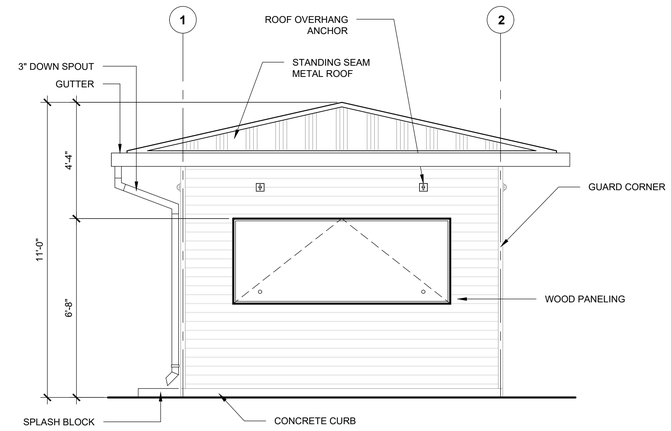
A1 SECTION - NEW KIOSK

SCALE: 3/8"=1'-0"



A2 ELEVATION - NEW KIOSK

SCALE: 3/8"=1'-0"



A4 ELEVATION - NEW KIOSK

SCALE: 3/8"=1'-0"

OWNER

Gurabo
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SEAL

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PROJECT INFORMATION

REHABILITATION OF GURABO PUBLIC PLAZA GURABO, PUERTO RICO

REVISIONS

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DATE ISSUED:	
REVIEWED BY:	EAS, MA
DRAWN BY:	EAZ
DESIGNED BY:	EAS, MA
PROJECT NUMBER:	22030

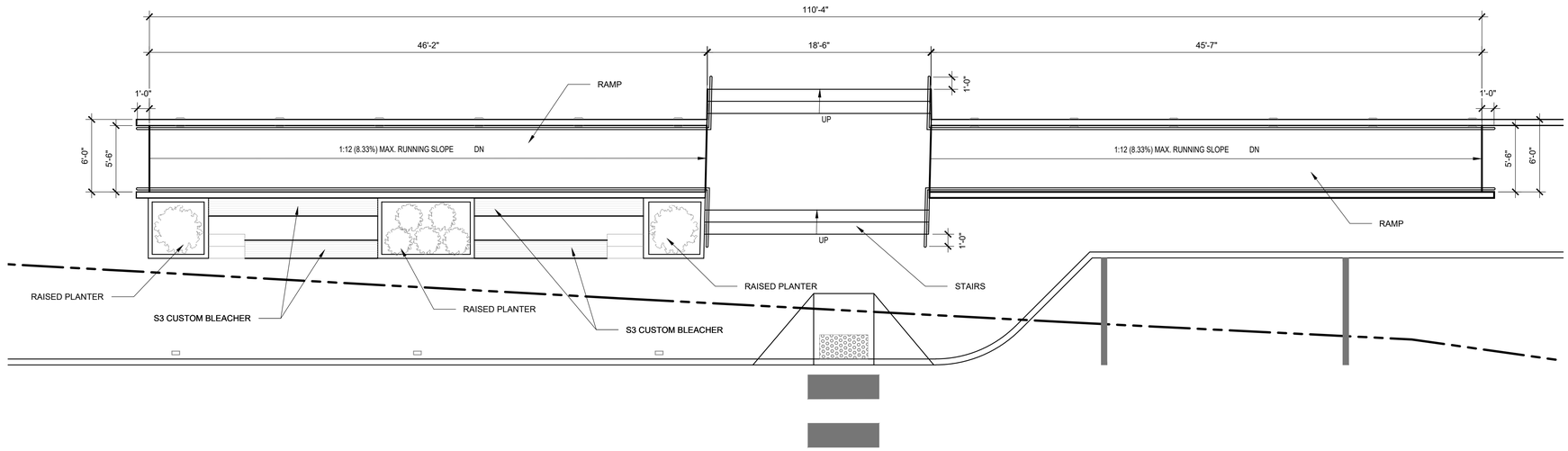
SHEET TITLE

ARCHITECTURAL SITE ELEMENTS AND OUTDOOR DETAILS

SHEET ID

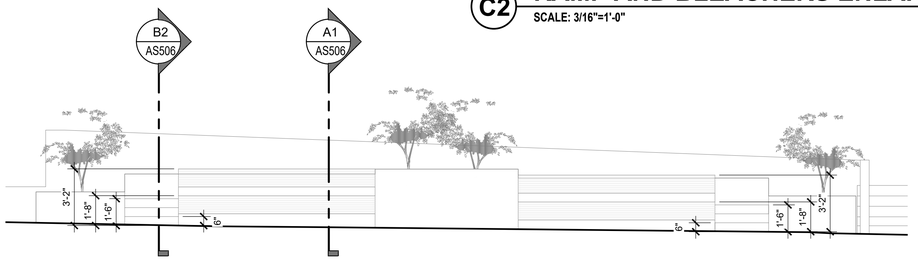
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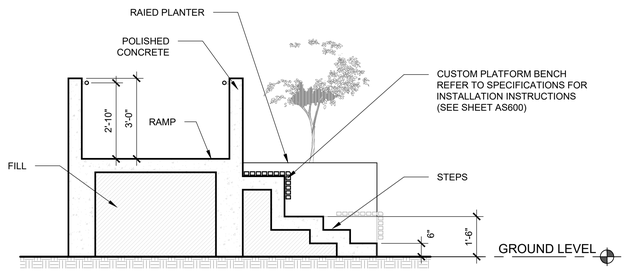
C2 RAMP AND BLEACHERS ENLARGED PLAN

SCALE: 3/16"=1'-0"



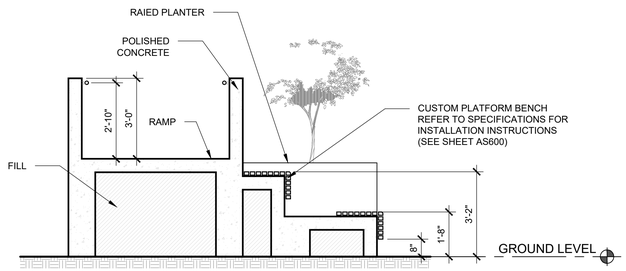
C1 BLEACHERS ELEVATION

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



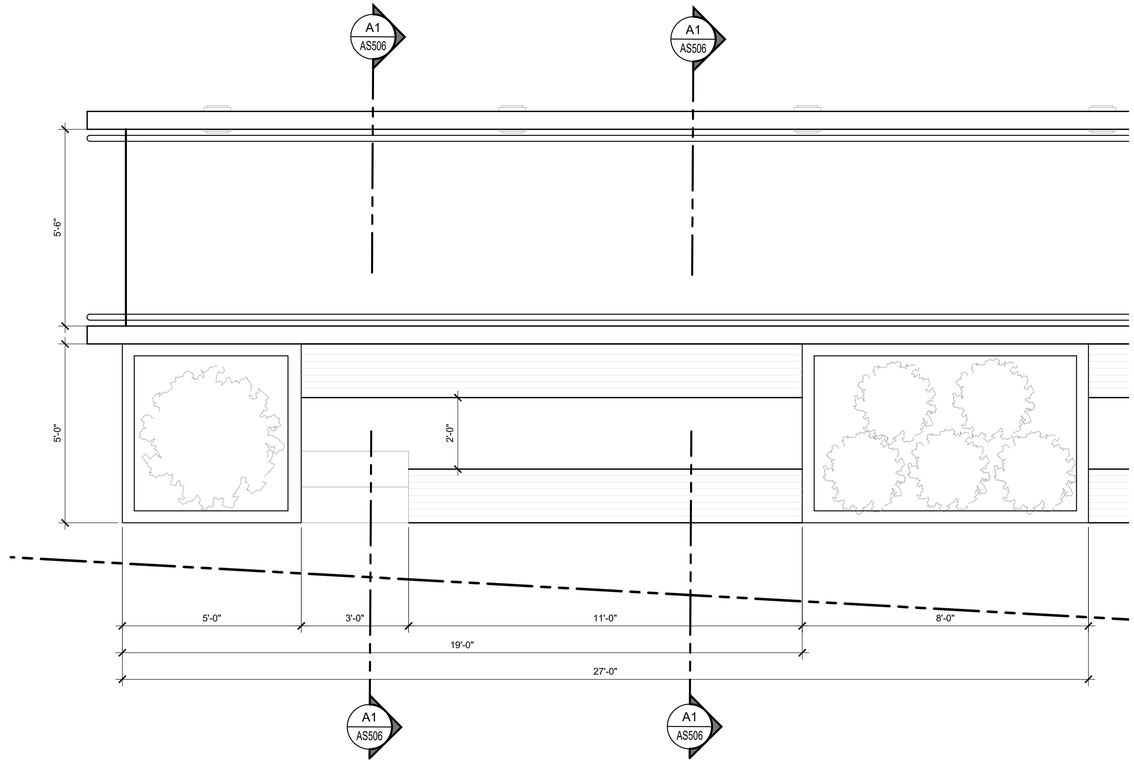
B1 BLEACHERS SECTION

SCALE: 3/8"=1'-0"



A1 BLEACHERS SECTION

SCALE: 3/8"=1'-0"



A3 BLEACHERS BLOW UP

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

OWNER

Gurabo
CIUDAD DE LAS ESCALERAS

PROPONENT

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SEAL

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REVIEWED BY:	EAS, MA
DRAWN BY:	EAZ
DESIGNED BY:	EAS, MA
PROJECT NUMBER:	22030

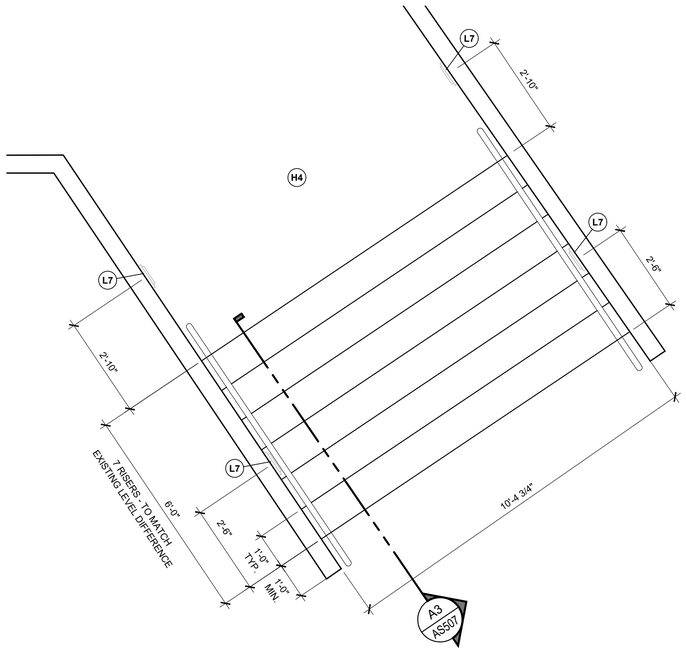
SHEET TITLE

ARCHITECTURAL SITE ELEMENTS AND OUTDOOR DETAILS

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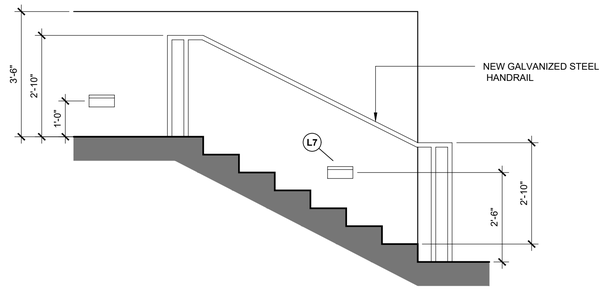
AS506

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C3 STAIR ENLARGED PLAN

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



A3 STAIR SECTION

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

OWNER

Gurabo
CIUDAD DE LAS ESCALERAS

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GURABO, PUERTO RICO

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DRAWN BY:	EAZ
DESIGNED BY:	EAS, MA
PROJECT NUMBER:	22030

SHEET TITLE

ARCHITECTURAL SITE ELEMENTS AND OUTDOOR DETAILS

SHEET ID

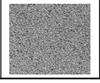
AS507

7/8/2020 3:15:46 PM F:_Projects\22030 (Plaza de Gurabo)\02 DESIGN\02 Drawings\05 Architecture\22030-AS507.dwg

EXTERIOR ELEMENTS - LANDSCAPE & GREEN AREAS

MARK	COMPONENTS	DESCRIPTION	MANUFACTURER	MODEL	COLOR/FINISH	REMARKS
A		RAISED PLANTERS	EXISTING	N/A	GRAY / WHITE MATTE	CONSERVE DURING CONSTRUCTION PATCH AND REPAIR
B		EXISTING TREE	N/A	N/A	N/A	CONSERVE DURING CONSTRUCTION

EXTERIOR ELEMENTS - HARDSCAPE FLOOR FINISHES

MARK	COMPONENTS	DESCRIPTION	MANUFACTURER	MODEL	COLOR/FINISH	REMARKS
H1		STAMPED CONCRETE PAVING TEXTURE H1.A: 2'-0" X 5'-0" H1.B: 6" X 5'-0" REFER TO A1/AS102	GC	TBD	H1.A: LIGHT GRAY CONCRETE H1.B: DARK GRAY CONCRETE	EQUAL OR SIMILAR
H2		BROOM FINISH PAVING TEXTURE DIMENSIONS: 2'-0" X 5'-0" REFER TO A2/AS102	GC	N/A	LIGHT GRAY CONCRETE	EQUAL OR SIMILAR
H4		CONCRETE UNIT PAVING	GC	N/A	LIGHT GRAY CONCRETE	EQUAL OR SIMILAR
H5		STAMPED CONCRETE DIMENSIONS: 1'-0" X 1'-0"	GC	TBD	MATERIAL: DARK GRAY STAMPED CONCRETE (TILES)	EQUAL OR SIMILAR
H6		STAMPED CONCRETE PAVING TEXTURE REFER TO A1/AS102	GC	N/A	H6.A: DARK GRAY CONCRETE H6.B: LIGHT GRAY CONCRETE	EQUAL OR SIMILAR
H7		VISUALLY IMPAIRED PAVING TEXTURE DIMENSIONS: 16" X 16" REFER TO A4/AS102	GC	TBD	MATERIAL: DARK GRAY CONCRETE (TILES)	EQUAL OR SIMILAR
H8		PLAYGROUND RUBBER TILES 20" X 20" X 2" THICK PROVIDE BORDER TILES ALL AROUND	GC	TBD	COLOR: DARK GRAY	EQUAL OR SIMILAR

EXTERIOR ELEMENTS - LIGHTING

MARK	COMPONENTS	DESCRIPTION	MANUFACTURER	MODEL	COLOR/FINISH	REMARKS
L1		EXISTING LAMP POSTS	EXISTING	EXISTING	EXISTING	CONSERVE DURING CONSTRUCTION
L2		EXISTING LAMP POSTS (DOUBLE)	EXISTING	EXISTING	EXISTING	CONSERVE DURING CONSTRUCTION
L3		BOLLARD	BEGA	77589	TEXTURED POLYESTER POWDER COAT MATTE BLACK	EQUAL OR SIMILAR
L5		SURFACE MOUNTED LINEAR DOWNLIGHT	BEGA	24311	BLACK DIE-CAST MARINE GRADE, COPPER FREE (≤ 0.3% COPPER CONTENT) A360.0 ALUMINUM ALLOY CLEAR SAFETY GLASS	EQUAL OR SIMILAR
L6		IN-GRADE LUMINAIRE	BEGA	77028	ONE PIECE-CAST STAINLESS STEEL MARINE GRADE, COPPER FREE (S0.3% COPPER CONTENT) A360.0 ALUMINUM ALLOY CLEAR SAFETY GLASS	EQUAL OR SIMILAR
L7		RECESSED WALL LUMINAIRE	BEGA	33059	TEXTURED POLYESTER POWDER COAT MATTE BLACK	EQUAL OR SIMILAR

EXTERIOR ELEMENTS - SITE FURNISHINGS

MARK	COMPONENTS	DESCRIPTION	MANUFACTURER	MODEL	COLOR/FINISH	REMARKS
S1		BENCH	LANDSCAPE FORMS	GENERATION 50 TRADITIONAL BACKED	IPE (P) WOOD ACCENT & POWDERCOATED METAL PANGARD II DESIGNER PALETTE ARCHITECTURAL SERIES (LOW SHEEN) COLOR: DUSK	EQUAL OR SIMILAR
S2		PLAYGROUND BLOCKS	PLAYWORLD	CLIMBING SQUARES CLUSTER #2, CLUSTER #8 AND CLUSTER #9	ASSORTED COLORS	EQUAL OR SIMILAR
S3		BLEACHERS	GC AND LANDSCAPE FORM	GENERATION 50 TOP OF WALL BACKLESS	IPE (P) WOOD ACCENT & POWDERCOATED METAL PANGARD II DESIGNER PALETTE ARCHITECTURAL SERIES (LOW SHEEN) COLOR: DUSK	EQUAL OR SIMILAR
S4		BIKE RACK	LANDSCAPE FORMS	EMERSON BIKE RACK	POWDERCOATED METAL PANGARD II DESIGNER PALETTE ARCHITECTURAL SERIES (LOW SHEEN) COLOR: DUSK	EQUAL OR SIMILAR
S5		WAYFINDING MONUMENT SIGN	CUSTOM	CUSTOM	LIGHT GRAY POLISHED CONCRETE AND BLACK PREFINISHED ANODIZED CAST ALUMINUM COLOR: DUSK	EQUAL OR SIMILAR
S6		EV CHARGING STATION	-	-	-	REFER TO ELECTRICAL PLANS
S7		BRAILLE PEDESTAL	CUSTOM	CUSTOM	BLACK PREFINISHED ANODIZED CAST ALUMINUM	EQUAL OR SIMILAR
S8		TRASH BINS	LANDSCAPE FORMS	GENERATION 50 SIDE OPEN	IPE (P) WOOD ACCENT & POWDERCOATED METAL PANGARD II DESIGNER PALETTE ARCHITECTURAL SERIES (LOW SHEEN) COLOR: DUSK	EQUAL OR SIMILAR
S9		PERMANENT BOLLLARD	BEGA	84623	BLACK MARINE GRADE UNDERCOAT POLYESTER POWDER COAT B96085 71 890- DIRECT BURIAL ANCHORAGE	EQUAL OR SIMILAR
S10		BENCH CLUSTER	GC AND LANDSCAPE FORM	GENERATION 50 TOP OF WALL BACKED	IPE (P) WOOD ACCENT & POWDERCOATED METAL PANGARD II DESIGNER PALETTE ARCHITECTURAL SERIES (LOW SHEEN) COLOR: DUSK	EQUAL OR SIMILAR
S11		REMOVABLE BOLLLARD	BEGA	84623	BLACK MARINE GRADE UNDERCOAT POLYESTER POWDER COAT B96085 71 890- DIRECT BURIAL ANCHORAGE	EQUAL OR SIMILAR

FINISHES

A		LANDSCAPE FORM DUSK FOR COLOR REFERENCE ONLY
B		LANDSCAPE FORM IPE FOR COLOR REFERENCE ONLY
C		CONCRETE LIGHT GRAY FOR COLOR REFERENCE ONLY
D		CONCRETE DARK GRAY FOR COLOR REFERENCE ONLY
E		STONE SLATE TILE 2"X4" FOR COLOR REFERENCE ONLY

GC= GENERAL CONTRACTOR

EXTERIOR ELEMENTS - SECURITY

MARK	COMPONENTS	DESCRIPTION	MANUFACTURER	MODEL	COLOR/FINISH	REMARKS
SC1		POST WITH SECURITY CAMERA	SUPPLIED BY GENERAL CONTRACTOR	SUPPLIED BY GENERAL CONTRACTOR	POWDERCOATED METAL PANGARD II DESIGNER PALETTE ARCHITECTURAL SERIES (LOW SHEEN) COLOR: DUSK	EQUAL OR SIMILAR

OWNER

Gurabo
CIUDAD DE LAS ESCALERAS

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SEAL

YO, MONIQUE LUGO LOPEZ, LIC. 16182, CERTIFICO QUE SOY EL PROFESIONAL QUE CONFECCIONÓ Y/O DISEÑÓ Y/O PREPARÓ ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIÉN CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE 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 NUM. 14 DEL 8 DE ENERO DE 2004, SEGÚN ENMENDADA, CONOCIDA COMO LEY PARA LA INVERSIÓN POR LA INDUSTRIA PUERTORRIQUEÑA Y CON LA LEY NUM. 319 DEL 15 MAYO DE 1938 , SEGÚN ENMENDADA; LEY NÚM. 96 DEL 6 DE JULIO DE 1978, SEGÚN ENMENDADA; SEGÚN APLIQUE). RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIONES DE LOS HECHOS QUE SE HAYA PRODUCIDO POR DESCONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MÍ, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR LA OGPE.

PROJECT INFORMATION

REHABILITATION OF GURABO PUBLIC PLAZA
GURABO, PUERTO RICO

REVISIONS

NO.	DESCRIPTION	DATE
B	60% CONSTRUCTION DOCUMENTS	05.04.2023
C	90% CONSTRUCTION DOCUMENTS	09.15.2023
D	90% CONSTRUCTION DOCUMENTS	11.14.2023
E	90% REVISED CDS	11.16.2023
F	100% CDS	12.08.2023
G	90% REVISED CDS	01.24.2024

DATE ISSUED:	
REVIEWED BY:	EAS, MA
DRAWN BY:	EAZ
DESIGNED BY:	EAS, MA
PROJECT NUMBER:	22030

SHEET TITLE

SCHEDULES

SHEET ID

AS600

7/8/2020 3:15:46 PM F:_Projects\22030 (Plaza de Gurabo)\02 DESIGN\02 Drawings\05 Architecture\22030-AS600.dwg

GENERAL NOTES:

1 - THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO STARTING CONSTRUCTION. THE ARCHITECT/ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCONSISTENCIES.

2 - DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALES SHOWN ON DRAWINGS.

3 - NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS.

4 - SEE ARCHITECTURAL DRAWINGS FOR THE FOLLOWING: SIZE AND LOCATION OF ALL DOOR AND WINDOW OPENING, EXCEPT AS NOTED. SIZE AND LOCATION OF ALL INTERIOR AND EXTERIOR NON-BEARING PARTITIONS. SIZE AND LOCATION OF ALL CONCRETE CURBS, FLOOR DRAINS, SLOPES, DEPRESSED AREAS, CHANGES IN LEVEL, CHAMFERS, GROOVES, INSERTS, ETC. SIZE AND LOCATION OF ALL FLOOR AND ROOF OPENINGS EXCEPT AS SHOWN. FLOOR AND ROOF FINISHES. STAIR FRAMING AND DETAILS (EXCEPT AS SHOWN). DIMENSIONS NOT SHOWN ON STRUCTURAL DRAWINGS.

5 - SEE MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR THE FOLLOWING: PIPE RUNS, SLEEVE, HANGERS, TRENCHES, WALL AND SLAB OPENINGS, ETC. EXCEPT AS SHOWN OR NOTED. ELECTRICAL CONDUIT RUNS, BOXES, OUTLETS IN WALLS AND SLABS. CONCRETE INSETS FOR ELECTRICAL, MECHANICAL OR PLUMBING FIXTURES. SIZE AND LOCATION OF MACHINE OR EQUIPMENT BASES, ANCHOR BOLTS FOR MOTOR MOUNTS.

6 - THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL PRECAUTIONS AND MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH PRECAUTIONS SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING, SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC. OBSERVATION VISITS TO THE SITE BY THE STRUCTURAL ENGINEER SHALL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS.

7 - OPENINGS POCKETS, ETC. LARGER THAN 6 INCHES SHALL NOT BE PLACED IN CONCRETE SLABS, DECKS, BEAMS, JOISTS, COLUMNS, WALLS, ETC. UNLESS SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS. NOTIFY THE STRUCTURAL ENGINEER WHEN DRAWINGS BY OTHER SHOW OPENINGS, POCKETS, ETC. FOR OPENINGS LARGER THAN 6 INCHES NOT SHOWN ON THE STRUCTURAL DRAWINGS, BUT WHICH ARE LOCATED IN STRUCTURAL MEMBERS.

8 - ASTM SPECIFICATIONS NOTED ON THE DRAWINGS SHALL BE OF THE LATEST REVISION.

9 - CONTRACTOR SHALL INVESTIGATE SITE DURING CLEARING AND EARTHWORK OPERATIONS FOR FILLED EXCAVATIONS OR BURIED STRUCTURES SUCH AS CESSPOOLS, CISTERNS, FOUNDATIONS, ETC. IF ANY SUCH STRUCTURE HAS NOT ATTENDED DESIGN STRENGTH.

10 - CONSTRUCTION MATERIALS SHALL BE SPREAD OUT IF PLACED ON FLOORS OR ROOF. LOAD SHALL NOT EXCEED THE DESIGN LIVE LOAD PER SQUARE FOOT.PROVIDE ADEQUATE SHORING AND/OR BRACING WHERE STRUCTURES ARE FOUND, STRUCTURAL ENGINEER SHALL BE NOTIFIED IMMEDIATELY.

11 DESIGN LIVE LOADS:

ROOF	40 PSF
FLOORS	40 PSF

WIND AND EARTHQUAKE FORCES AS PER PUERTO RICO BUILDING CODE AND OTHER APPLICABLE SPECIFICATIONS AND CODES:

A. PUERTO RICO BUILDING CODE
B. AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE) .
C. AMERICAN CONCRETE INSTITUTE (ACI)
D. AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) AND METAL BUILDING CATEGORY CERTIFIED.
E. AMERICAN WELDING SOCIETY (AWS)
F. STEEL DECK INSTITUTE (SDI)
G. AMERICAN SOCIETY FOR TESTING MATERIALS (ASTM)
H. AMERICAN IRON AND STEEL INSTITUTE

FOUNDATIONS STRUCTURAL NOTES

1- DESIGN AND CONSTRUCTION SHALL CONFORM TO THE ACI 318 BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE.

2- REINFORCING BARS SHALL BE DEFORMED BARS CONFORMING TO THE ASTM SPECIFICATIONS A-615 DEFORMED AND PLAIN BILLET BARS FOR CONCRETE REINFORCEMENT, GRADE 60.

ABBREVIATIONS:

ADD ..... ADDITIONAL
B ..... BOTTOM
E.W. ..... EACH WAYS
C.C. ..... CENTER TO CENTER
CL ..... CLEAR
COL ..... COLUMN
CONST ..... CONSTRUCTION
CONT. ..... CONTINUOUS
DTL ..... DETAIL
DWG ..... DRAWING
EA ..... EACH
E.E. ..... EACH END
ELEV. ..... ELEVATION
F.B.E. ..... FOOTING BOTTOM ELEVATION
F.F.E. ..... FINISH FLOOR ELEVATION
FT ..... FEET
GALV ..... GALVANIZED
L.L. ..... LOWER LAYER
MAX ..... MAXIMUM
MECH ..... MECHANICAL
MIN ..... MINIMUM
REINF ..... REINFORCEMENT
SPECS ..... SPECIFICATIONS
STD ..... STANDARD
STL ..... STEEL
SUP ..... SUPPLEMENTARY
T ..... TOP
TYP ..... TYPICAL
U.O.N. ..... UNLESS OTHERWISE NOTES

CONCRETE:

1 - ALL PHASES OF WORK PERTAINING TO THE CONCRETE CONSTRUCTION SHALL CONFORM TO THE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI-318 LATEST APPROVED EDITION) WITH MODIFICATIONS AS NOTED IN THE DRAWINGS OR SPECIFICATIONS.

2 - REINFORCED CONCRETE DESIGN IS BY THE "ULTIMATE STRENGTH DESIGN METHOD".

3 - CONCRETE MIXES SHALL BE DESIGNED BY A QUALIFIED TESTING LABORATORY AND APPROVED BY THE STRUCTURAL ENGINEER.

4 - STRUCTURAL CONCRETE 28-DAYS STRENGTHS : 4000 psi

5 - PORTLAND CEMENT SHALL CONFORM TO ASTM C-150 WITH W/C RATIO NOT GREATER THAN 0.52

6 - AGGREGATE FOR HARD ROCK CONCRETE SHALL CONFORM TO ALL REQUIREMENTS AND TEST OF ASTM C-33 AND PROJECT SPECIFICATIONS.

7 - DRY PACK UNDER BASE PLATES, SILL PLATES, ETC., SEE SPECIFICATIONS.

8 - CONCRETE MIXING OPERATION, ETC., SHALL CONFORM TO ASTM C-94.

9 - PLACEMENT OF CONCRETE SHALL CONFORM TO ACI STANDARD 304 AND PROJECT SPECIFICATIONS.

10 - CLEAR COVERAGE OF CONCRETE OVER OUTER REINFORCING BARS SHALL BE AS FOLLOWS:

- CONCRETE POURED DIRECTLY AGAINST EARTH, 3 IN. CLEAR TO REINFORCING.
- STRUCTURAL SLABS 3/4 IN. CLEAR (TOP AND BOTTOM) FORMED CONCRETE WITH EARTH BACKFILL 2 IN. CLEAR. BEAMS, 2 IN. CLEAR TO FACE OF MAIN REINFORCING EXCEPT AS NOTED.
- COLUMNS, 2 IN. CLEAR TO FACE OF VERTICAL REINFORCING, EXCEPT AS NOTED.

11 - ALL REINFORCING BARS, ANCHOR BOLTS AND OTHER CONCRETE INSERTS SHALL BE WELL SECURED IN POSITION PRIOR TO PLACING CONCRETE.

12 - PROVIDE SLEEVES FOR PLUMBING AND ELECTRICAL OPENINGS IN CONCRETE BEFORE PLACING. DO NOT CUT ANY REINFORCING WHICH MAY CONFLICT. CORING IN CONCRETE IS NOT PERMITTED EXCEPT AS SHOWN. NOTIFY THE STRUCTURAL ENGINEER IN ADVANCE OF CONDITIONS NOT SHOWN ON THE DRAWINGS.

13 - CONDUIT OF PIPE SIZE (O.D.) SHALL NOT EXCEED 30 PERCENT OF TOTAL SLAB THICKNESS AND SHALL BE PLACED BETWEEN THE TOP AND BOTTOM REINFORCING, UNLESS SPECIFICALLY DETAILED OTHERWISE CONCENTRATIONS OF CONDUITS OR PIPES SHALL BE AVOIDED EXCEPT WHERE DETAILED OPENINGS ARE PROVIDED.

14 - THE CONTRACTOR SHALL PROVIDE, SET AND VERIFY DIMENSIONS AND LOCATIONS OF ALL ANCHORS, INSERTS, BOLTS, SLEEVES, PIPES AND CONDUITS SHOWN OR NOTED ON DRAWINGS OR SPECIFICATIONS BEFORE THE CONCRETE IS POURED.

15 - PROJECTING CORNERS OF WALLS ETC., SHALL BE FORMED WITH A 3/4 IN. CHAMFER, UNLESS OTHERWISE NOTED ON ARCHITECTURAL DRAWINGS.

16 - CURING COMPOUNDS USED ON CONCRETE THAT IS TO RECEIVE A RESILIENT TILE FINISH SHALL BE APPROVED BY THE TILE MANUFACTURER BEFORE USE.

17 - CONTRACTOR SHALL SUBMIT CONCRETE POURING SCHEME AND SCHEDULE PRIOR TO CONSTRUCTION.

18 - CONTRACTOR SHALL SUBMIT SHORING AND BRACING METHODS PRIOR TO CONSTRUCTION.

19 - TEMPERATURE REINFORCEMENT FOR SLAB THICKNESS:

t = 4" #3 @ 12"
t = 5" #3 @ 12"
t = 6" #3 @ 10"
t = 7" #3 @ 8"
t = 8" #3 @ 6"
t = 9" #4 @ 12"
t = 10" #4 @ 10"
t = 11" #4 @ 10"

REINFORCING STEEL:

(FOR CONCRETE AND MASONRY)

1 - ALL REINFORCING STEEL SHALL BE DETAILED AND PLACED IN CONFORMANCE WITH THE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI 318 LATEST APPROVED EDITION), AND THE "MANUAL OF STANDARD PRACTICE FOR REINFORCED CONCRETE CONSTRUCTION" (LATEST APPROVED EDITION) BY THE C.R.S.I. AND THE W.C.R.S.I., AS MODIFIED BY THE PROJECT DRAWINGS AND SPECIFICATIONS.

2 - REINFORCING BARS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-615 GRADE 60.

3 - WELDING OF REINFORCEMENT SHALL BE WITH LOW HYDROGEN ELECTRODES IN CONFORMANCE WITH –"RECOMMENDED PRACTICES FOR WELDING REINFORCING STEEL ETC", AMERICAN WELDING SOCIETY, - AWS-D1.4. SEE SPECIFICATIONS.

4 - ALL REINFORCING BAR BENDS SHALL BE MADE COLD.

5 - WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185, GRADE 60.

6 - MINIMUM LAP OF WELDED WIRE FABRIC SHALL BE 6 INCHES OR ONE FULL MESH, WHICHEVER IS GREATER.

7 - REINFORCING SPLICES SHALL BE MADE ONLY WHERE INDICATED ON THE DRAWINGS.

8 - DOWELS BETWEEN FOOTINGS AND WALLS OR COLUMNS SHALL BE THE SAME GRADE, SIZE, SPACING AND/OR NUMBER AS THE VERTICAL REINFORCING, RESPECTIVELY.

9 - CONTRACTOR SHALL SUBMIT, PRIOR TO INSTALLATION, ALL REINFORCING STEEL SHOP DRAWING SHOP DRAWINGS SHALL BE SEALED AND STAMPED BY A PROFESSIONAL STRUCTURAL ENGINEERS, LICENSED IN PUERTO RICO.

FOUNDATION EXCAVATION AND CONSTRUCTION

1 - FOUNDATION DESIGN BASED ON ASSUMED 2,000 psf

2 - CONTRACTOR SHALL PROVIDE FOR DE-WATERING OF EXCAVATIONS FROM EITHER SURFACE WATER, GROUND WATER OR SEEPAGE.

3 - CONTRACTOR SHALL PROVIDE FOR DESIGN AND INSTALLATION OF ALL CRIBBING, SHEATHING AND SHORING REQUIRED TO SAFELY RETAIN THE EARTH BANKS.

4 - EXCAVATION FOR FOOTINGS SHALL BE APPROVED BY THE DESIGN ENGINEER PRIOR TO PLACING THE CONCRETE AND REINFORCING. CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER WHEN INSPECTION OF EXCAVATION IS READY.

5 - ALL EXCAVATIONS SHALL BE PROPERLY BACKFILLED. DO NOT PLACE BACKFILL BEHIND RETAINING WALLS BEFORE CONCRETE HAS ATTAINED FULL DESIGN STRENGTH. CONTRACTOR SHALL BRACE AND PROTECT ALL BUILDING'S PIT WALLS BELOW GRADE FROM LATERAL LOADS UNTIL ATTACHED FLOORS ARE COMPLETELY IN PLACE AND HAVE ATTAINED FULL STRENGTH. CONTRACTOR SHALL PROVIDE FOR DESIGN, PERMITS AND INSTALLATION OF SUCH BRACING.

6 - FOOTINGS SHALL BE PLACED AND ESTIMATED ACCORDING TO DEPTHS SHOWN ON DRAWINGS. SHOULD SOIL ENCOUNTERED AT DEPTH SHOWN NOT BE SUITABLE FOR BEARING, DEPTH SHALL BE INCREASED PER SOILS REPORT RECOMMENDATION, SEE NOTE NO. 1.

7 - FOOTINGS BACKFILL AND UTILITY TRENCH BACKFILL WITHIN BUILDING AREA SHALL BE MECHANICALLY COMPACTED IN LAYERS NOT OVER 8" IN. THICKNESS WITH THE APPROVAL OF THE DESIGN ENGINEER. FLOODING WILL NOT BE PERMITTED.

8 - ALL ABANDONED FOOTINGS, UTILITIES, ETC. THAT INTERFERE WITH NEW CONSTRUCTION SHALL BE REMOVED. NEW FOOTINGS MUST EXTEND INTO UNDISTURBED SOILS OR AS SHOWN ON DRAWINGS.

9 - ALL FOUNDATIONS MUST BE PLACED ON GOOD AND/OR UNDISTURBED SOIL UNLESS NOTED OTHERWISE. UNSATISFACTORY SOIL MUST BE REMOVED AND REPLACED WITH SELECTED FILL MATERIAL AS PER SOIL REPORT RECOMMENDATIONS, SEE NOTE NO.1, 2 & 3.

10 - A PROFESSIONAL GEOTECHNICAL ENGINEER LICENSED IN PUERTO RICO SHALL OBSERVE COMPLIANCE WITH SOIL REPORT. THE GEOTECHNICAL ENGINEER SHALL DETERMINE WHETHER THE SOIL IN WHICH THE FOUNDATIONS SHALL BE POURED IS AN ADEQUATE SOIL IN THE EVENT THAT SUBSURFACE CONDITIONS DIFFER FROM THOSE ANTICIPATED PRIOR TO START OF CONSTRUCTION. IF SOIL IS NOT ADEQUATE, THE CONTRACTOR SHALL CONTINUE TO EXCAVATE UNTIL THE ADEQUATE ALLUVIUM SOIL HAS BEEN REACHED.

11 - THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO ACTUAL CONSTRUCTION. ANY CONFLICT WITH DETAILS OR NOTES SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGN ENGINEER FOR CLARIFICATION.

12 - ALL CONSTRUCTION, EXCAVATION AND/OR DEMOLITION SHALL BE MADE IN SUCH A WAY AS NOT TO IMPAIR THE STRENGTH, STABILITY OR USE OF ANY EXISTING STRUCTURE TO REMAIN.

13 - FILL MATERIAL SHALL BE SELECTED FILL MATERIAL AND COMPACTED TO A MINIMUM OF 95% MODIFIED PROCTOR TEST, IN LIFTS OF 8" OR LESS, SEE NOTE NO. 1.

MASONRY (CONCRETE BLOCK)

1 CONCRETE BLOCK SHALL BE HOLLOW LOAD-BEARING CONCRETE MASONRY UNITS CONFORMING TO ASTM C90. USE OPEN END UNITS FOR STACKED BOND PATTERN AND BOND BEAM UNITS AT HORIZONTAL REINFORCING. SEE DWG. SN-2

2 CEMENT SHALL BE AS SPECIFIED FOR CONCRETE.

3 REINFORCING BARS - SEE NOTES UNDER "REINFORCING STEEL" FOR REQUIREMENTS 60, EXCEPT AS NOTED. ASTM 615 GRADE

4 MORTAR MIX SHALL CONFORM TO REQUIREMENTS FOR P.R. BUILDING CODE TABLE IV-F-2.3a TYPE S, AND PROJECT SPECIFICATIONS. MORTAR SHALL ATTAIN A COMPRESSIVE STRENGTH OF 1800 PSI AT 28 DAYS. ADMIXTURE SHALL BE APPROVED BY STRUCTURAL ENGINEER.

5 GROUT SHALL CONFORM TO REQUIREMENTS OF SECTION IV-F-4.0 OF P.R. BUILDING CODE FOR COARSE GROUT. COARSE GROUT SHALL HAVE A MINIMUM OF ONE PART OF PEA GRAVEL FOR ESSENTIAL BUILDINGS. USE SUFFICIENT WATER FOR GROUT TO FLOW INTO ALL JOINTS OF THE MASONRY WITHOUT SEGREGATION. ADD GROUT AID WITH A COMPRESSIVE STRENGTH OF 2000 PSI AT 28 DAYS.

6 PROVIDE A MINIMUM OF 1/2 IN. GROUT BETWEEN MAIN REINFORCING AND MASONRY

7 LOW LIFT CONSTRUCTION, MAXIMUM GROUT POUR HEIGHT IS 4 FT.

8 REINFORCED CELLS IN CONCRETE BLOCKS SHALL BE FILLED SOLID WITH GROUT, EXCEPT AS NOTED IN THE DRAWINGS OR SPECIFICATIONS. UNITS.

9 CELLS SHALL BE IN VERTICAL ALIGNMENT. DOWELS IN FOOTING OR SLAB SHALL BE WITH CORES CONTAINING REINFORCING STEEL. SET TO ALIGN

10 REFER TO ARCHITECTURAL DRAWINGS FOR SURFACE AND HEIGHT OF UNITS, LAYING JOINT TYPE. PATTERN AND

11 DESIGN COMPRESSIVE STRENGTH OF CONCRETE MASONRY CONSTRUCTION SHALL BE 1,350 PSI.

STEEL NOTES

1 - STEEL WORK SHALL COMPLY WITH AISC SPECIFICATIONS FOR STRUCTURAL STEEL BUILDING AND THE CODES OF STANDARD PRACTICE FOR STEEL BUILDING.

2 - ALL STRUCTURAL STEEL EXPOSED TO THE WEATHER SHALL BE HOT DIP GALVANIZED AFTER FABRICATION, UNLESS OTHERWISE NOTED (U.O.N.) GALVANIZING AT FIELD WELDS SHALL BE REPAIRED WITH A GALVANIZING REPAIR PAINT ACCORDING TO ASTM A780.

3 - MATERIALS SHALL COMPLY WITH ALL AISC REQUIREMENTS AS FOLLOWS:

A - STRUCTURAL STEEL: ASTM A992 FOR ALL W SHAPES AND A500 GR. 46 FOR ALL HSS MEMBERS.

B - MISCELLANEOUS STEEL: ALL PLATES, ANGLES AND CHANNELS SHALL BE ASTM A36.

C - ALL STRUCTURAL BOLTS ASTM A325, UNLESS OTHERWISE NOTED. NUTS SHALL CONFORM TO ASTM A563 AND WASHERS TO ASTM F436. ALL BOLTS, NUTS, AND WASHERS SHALL BE GALVANIZED.

D - ALL TIE RODS SHALL BE GALVANIZED, ASTM A307 GRADE A, UNLESS OTHERWISE NOTED.

E - ALL ANCHOR BOLTS SHALL BE GALVANIZED, ASTM F1554 GR. 36 , UNLESS OTHERWISE NOTED.

F - SUBMIT THREE (3) SETS OF SHOP DRAWINGS FOR REVIEW BY ENGINEER OF RECORD PRIOR TO FABRICATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DIMENSIONS, ACCURACY, AND FIT OF WORK. SHOW PROFILES, SIZES, SPACING AND LOCATIONS OF STRUCTURAL MEMBERS, CONNECTIONS, ATTACHMENTS AND FASTENERS. ALSO SHOW:

F.1. PLANS SHOWING ERECTION MARKS AND INDEX SHEETS.

F.2. DETAIL DRAWINGS WITH OVERALL AND DEFINITIVE DIMENSIONS AND ELEVATIONS.

F.3. DETAILS OF BEAM AND BRACE CONNECTIONS INCLUDING BOLTS, WELDS, AND COPIES OF OTHER REQUIRED DETAILS INCLUDING BEARING PLATES, SPECIAL CONNECTIONS, MILLING AND PAINTING INSTRUCTIONS.

F.4. WELDED CONNECTIONS, BOTH SHOP AND FIELD, USING STANDARD A.W.S. WELD SYMBOLS (REFERENCE A.W.S. MANUAL). INDICATE NET WELD LENGTHS.

4 - WELDING ELECTRODES SHALL BE E70XX. ALL WELDING SHALL CONFORM TO A.W.S. STRUCTURAL WELDING CODE, LATEST EDITION. ALL WELDS TO BE FILLET WELDS UNLESS OTHERWISE NOTED. ALL WELDS SHALL BE MADE IN SHOP FABRICATION AND NOT PERMITTED IN THE BUILDING.

5 - HOLES OR CUTS NOT SHOWN ON THE DRAWINGS, SHALL NOT BE MADE IN STEEL MEMBERS, WITHOUT PRIOR APPROVAL FROM THE ENGINEER OF RECORD.

6 - THE FIELD USE OF A GAS CUTTING TORCH TO CORRECT FABRICATION ERROR SHALL NOT BE PERMITTED EXCEPT WHEN APPROVED BY ENGINEER OF RECORD.

7 - THE CONTRACTOR SHALL VISIT THE JOB SITE AND FAMILIARIZE HIMSELF/HERSELF WITH ALL CONDITIONS AFFECTING THE PROPOSED WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF/HERSELF WITH ALL CONTRACT DOCUMENTS AND FIELD CONDITIONS AND DIMENSIONS CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED AS SHOWN PRIOR TO SUBMITTING BID. ANY DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER.

8 - STRUCTURAL STEEL CONTRACTOR SHALL PROVIDE ALL NECESSARY TEMPORARY GUYING AND BRACING, AS REQUIRED AND AS PER LOCAL GOVERNING CODES, TO ERECT STEEL.

9 - CONTRACTOR SHALL FURNISH ALL SCAFFOLDING, HOISTING EQUIPMENT AND ANY OTHER EQUIPMENT THAT MAY BE REQUIRED TO PERFORM THE WORK INDICATED IN A SAFE ORDERLY MANNER.

OWNER

Gurabo
CIUDAD DE LAS ESCALERAS

PROPONENT

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SEAL

YO, JAIME R. ROBERT, LIC. 19981, CERTIFICO QUE SOY EL PROFESIONAL QUE CONFECCIONÓ Y/O DISEÑÓ Y/O PREPARÓ ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIÉN CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE 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 NÚM. 14 DEL 8 DE ENERO DE 2004, SEGÚN ENMENDADA, CONOCIDA COMO LEY PARA LA INVERSIÓN POR LA INDUSTRIA PUERTORRIQUEÑA Y CON LA LEY NÚM. 319 DEL 15 MAYO DE 1938 , SEGÚN ENMENDADA; LEY NÚM. 96 DEL 6 DE JULIO DE 1978, SEGÚN ENMENDADA; SEGÚN APLIQUE). RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIONES DE LOS HECHOS QUE SE HAYA PRODUCIDO POR DESCONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MI, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR LA OOPE.

PROJECT INFORMATION

REHABILITATION OF GURABO PUBLIC PLAZA GURABO, PUERTO RICO

REVISIONS

NO.	DESCRIPTION	DATE
A	90% CONSTRUCTION DOCUMENTS	11.27.2023
B	100% CONSTRUCTION DOCUMENTS	01.24.2024

DATE ISSUED:	01.24.2023
REVIEWED BY:	JRR
DRAWN BY:	JRR
DESIGNED BY:	JRR
PROJECT NUMBER:	22030

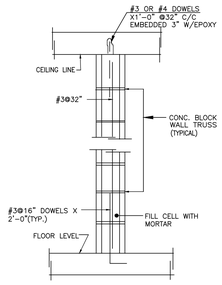
SHEET TITLE

STRUCTURAL NOTES

SHEET ID

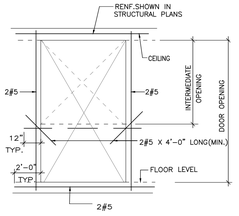
SN100

7/8/2020 3:15:46 PM /Volumes/AE-SSD/Dropbox/AE Design/07- Jaime Robert/091-BRA-Plaza de Gurabo/Structural Plan.dwg



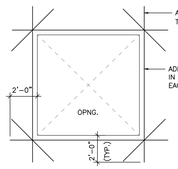
CONC. BLOCK WALL REINFORCEMENT DETAIL

NOT TO SCALE

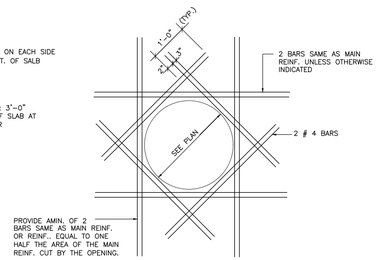


CONCRETE WALL OPENING REINFORCEMENT

NOT TO SCALE



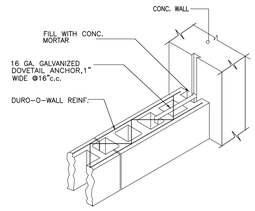
FOR OPENING LESS THAN 1'-0" SQUARE OMIT ADDED REINF. & BEND SLAB STEEL AROUND.



PROVIDE ,MIN. OF ,2 BARS SAME AS MAIN REINF. OR REINF., EQUAL TO ONE HALF THE AREA OF THE MAIN REINF. CUT BY THE OPENING.

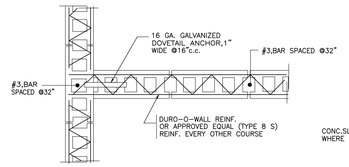
TYPICAL DETAIL OF ADDED REINF. AT CONC. SLAB OPNG.

NOT TO SCALE



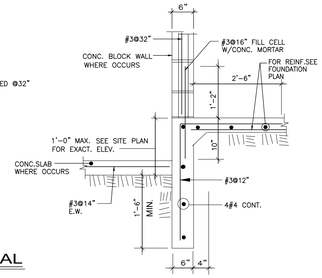
BLOCK WALL TO CONC. WALL ANCHORANGE DETAIL

NOT TO SCALE



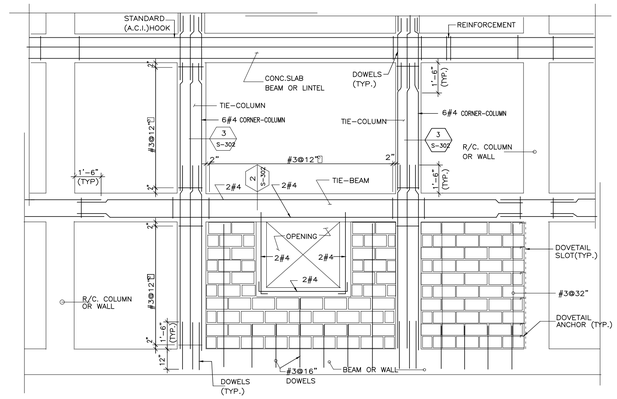
MASONRY WALL HORIZONTAL REINFORCEMENT DETAIL

NOT TO SCALE



SECTION MK'D. 1 S-301

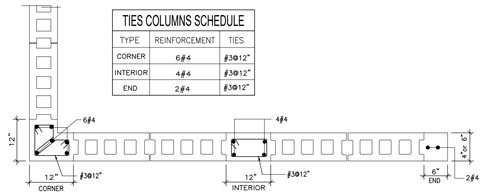
SCALE: 3/4"=1'-0"



TYPICAL BLOCK WALL REINFORCEMENT

NOT TO SCALE

TIES COLUMNS SCHEDULE		
TYPE	REINFORCEMENT	TIES
CORNER	6#4	#3@12"
INTERIOR	4#4	#3@12"
END	2#4	#3@12"

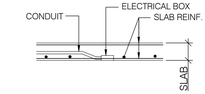


TIE-COLUMNS FOR BLOCK WALLS

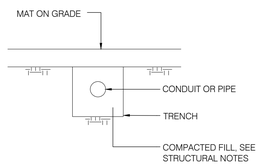
NOT TO SCALE

NOTES:

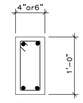
1–SEE NOTE B–7 ON THIS SHEET. (DUR–O–WALL REINF. SPECIFICATION)
2–USE STANDARD 90 DEGREE HOOKS AT ALL BLOCK WALL PANELS RESTING ON SLABS.
3–THE CONTRACTOR SHALL FOLLOW THE INTALLATION RECOMENDATIONS OF THE MANUFACTURERS OF THE VARIOUS ACCESORIES.
4–CONTROL JOINTS SHALL BE PROVIDED AT A MAX. SPACING OF 30 FEET.
5–THE TIE–COLUMNS SPACING SHALL NOT EXCEED 14'–0"
6–THE TIE–BEAMS SPACING SHALL NOT EXCEED 10'–0"



SLAB–ELECTRICAL CONDUIT AND BOX INSTALLATION DETAIL

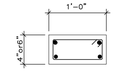


MAT ON GRADE PIPE OR CONDUIT GREATER THAN 1"ø INSTALLATION DETAIL



SECTION MK'D. 2 S-301

SCALE:1"=1'-0"



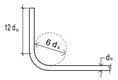
SECTION MK'D. 3 S-301

SCALE:1"=1'-0"

STANDARD HOOK DIMENSIONS

THE TERM STANDARD HOOK SHALL MEAN ONE OF THE FOLLOWING:

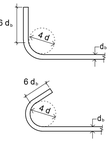
(a) 90° HOOK — A 90° BEND PLUS MINIMUM A 12d EXTENSION AT FREE END OF BAR



(b) 180° HOOK — A 180° BEND PLUS MINIMUM A 4d EXTENSION AT FREE END OF BAR



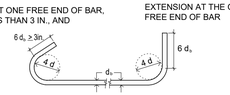
(c) FOR STIRRUP AND TIE HOOKS — A 90° BEND PLUS MINIMUM A 6d EXTENSION AT FREE END OF BAR, OR; A 135° BEND PLUS MINIMUM A 6d EXTENSION AT FREE END OF BAR



(d) FOR HOOPS (CONFINEMENT STIRRUPS AND TIES) IN SEISMIC ZONES — A 135° BEND PLUS MINIMUM A 6d EXTENSION AT FREE END OF BAR, BUT NOT LESS THAN 3 IN.

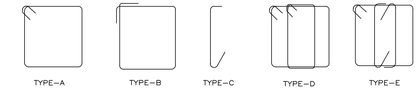


(e) FOR CROSSTIES IN SEISMIC ZONES — A 135° BEND PLUS MINIMUM A 6d EXTENSION AT ONE FREE END OF BAR, BUT NOT LESS THAN 3 IN., AND A 90° BEND PLUS MINIMUM A 6d EXTENSION AT THE OTHER FREE END OF BAR



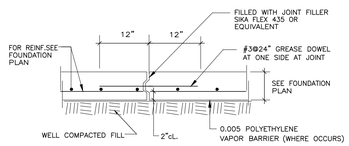
SCHEDULE "A" TENSION DEVELOPMENT LENGTH (in) Ld						
BAR SIZE	f'c= 3,000 P.S.I.		f'c= 4,000 P.S.I.		f'c= 5,000 P.S.I.	
	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS
# 3	22	17	18	14	17	13
# 4	29	22	25	19	22	17
# 5	36	28	31	24	27	21
# 6	43	33	38	29	34	26
# 7	62	48	53	41	48	37
# 8	72	55	61	47	55	42
# 9	81	62	69	53	61	47
# 10	91	70	78	60	69	53
# 11	101	78	86	66	77	59

SCHEDULE "B" TYPE "B" TENSION LAP SPLICE LENGTH (in)						
BAR SIZE	f'c= 3,000 P.S.I.		f'c= 4,000 P.S.I.		f'c= 5,000 P.S.I.	
	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS
# 3	29	22	23	18	22	17
# 4	38	29	33	25	29	22
# 5	47	36	40	31	35	27
# 6	56	43	49	38	44	34
# 7	81	62	69	53	62	48
# 8	94	72	79	61	72	55
# 9	105	81	90	69	79	61
# 10	118	91	101	78	90	69
# 11	131	101	112	86	100	77



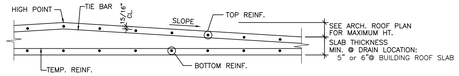
TRANSVERSE REINFORCEMENT DETAIL,S

1) TYPE A HOOKS SHALL BE USED WHEN THE DESIGNATION LETTER IS OMITED IN BEAM DETAILS.
2) EXCEPT WHERE OTHERWISE INDICATED THE FIRST HOOK AT EACH END SHALL BE PLACED AT 2" FROM THE FACE OF SUPPORT.



TYPICAL CONSTRUCTION JOINT DETAIL

NOT TO SCALE

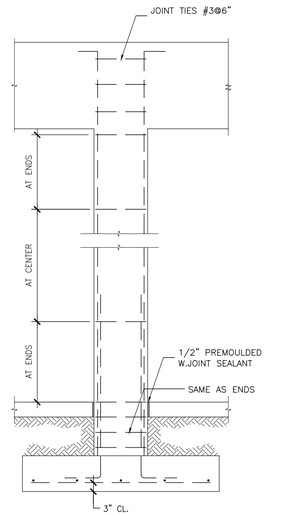


REINF. PLACING DETAIL ON ROOF SLAB

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

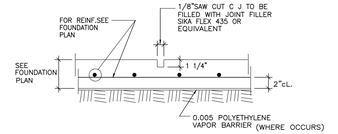
NOTES:

1. TOP BARS SHALL BE RAISED PARALLEL TO SLOPE SURFACE TO PROVIDE A MINIMUM 3/4" CONC. COVER TO TOP REINF.
2. SEE NOTE FOR TEMP. REINF PERPENDICULAR TO MAIN REINF.
3. 30 GAL./C.Y. MAXIMUM WATER CONTENT IN CONC. MIX.



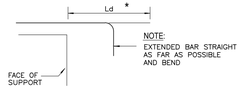
TYPICAL COLUMN ELEVATION

SCALE 1/2"=1'-0"



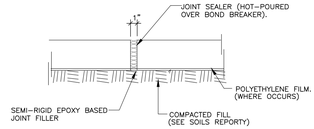
TYPICAL CONTROL JOINT

NOT TO SCALE



SEE SCHEDULE "A"

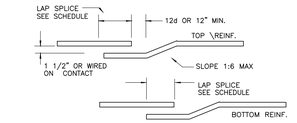
NOT TO SCALE



ISOLATION JOINT DETAIL

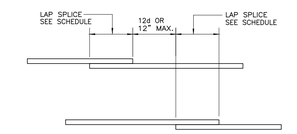
NOT TO SCALE

NOTE:
REINF. IS NOT SHOWN. IT SHALL NOT BE CARRIED ACROSS THE JOINT.



BEAM SPLICE DETAIL

NOT TO SCALE



WALL OR SLAB SPLICE DETAIL

NOT TO SCALE

OWNER

Gurabo
CIUDAD DE LAS ESCALERAS

PROPONENT

BR&A LLC
PROJECT MANAGEMENT • ENGINEERING • DESIGN

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SEAL

YO, JAIME R. ROBERT, LIC. 19881, CERTIFICO QUE SOY EL PROFESIONAL QUE CONFECCIONÓ Y/O DISEÑÓ Y/O PREPARÓ ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIEN 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, ADEMAS, QUE EN LA PREPARACIÓN DE ESTOS PLANOS Y ESPECIFICACIONES SE HA CUMPLIDO CABALMENTE CON LO DISPUESTO EN LA LEY NUM. 14 DEL 8 DE ENERO DE 2004, SEGÚN ENMENDADA, CONOCIDA COMO LEY PARA LA INVERSIÓN POR LA INDUSTRIA PUERTORRIQUEÑA Y CON LA LEY NUM. 319 DEL 15 MAYO DE 1938 , SEGÚN ENMENDADA (LEY NUM. 96 DEL 6 DE JULIO DE 1978, SEGÚN ENMENDADA; SEGÚN APLIQUE). RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIONES DE LOS HECHOS QUE SE HAYA PRODUCIDO POR DESCONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MI, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR LA DOPE.

PROJECT INFORMATION

REHABILITATION OF GURABO PUBLIC PLAZA GURABO, PUERTO RICO

REVISIONS

NO.	DESCRIPTION	DATE
A	90% CONSTRUCTION DOCUMENTS	11.27.2023
B	100% CONSTRUCTION DOCUMENTS	01.24.2024

DATE ISSUED:	01.24.2023
REVIEWED BY:	JRR
DRAWN BY:	JRR
DESIGNED BY:	JRR
PROJECT NUMBER:	22030

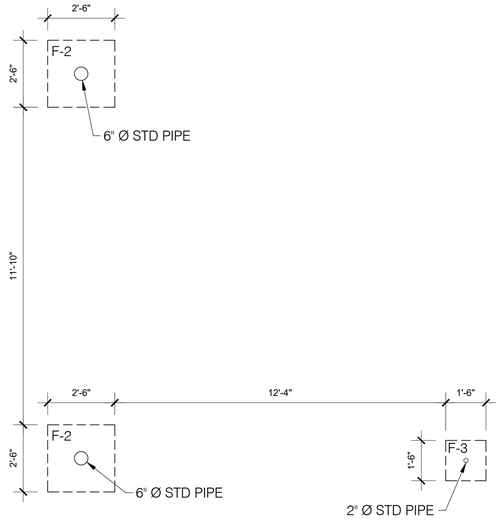
SHEET TITLE

STRUCTURAL DETAILS

SHEET ID

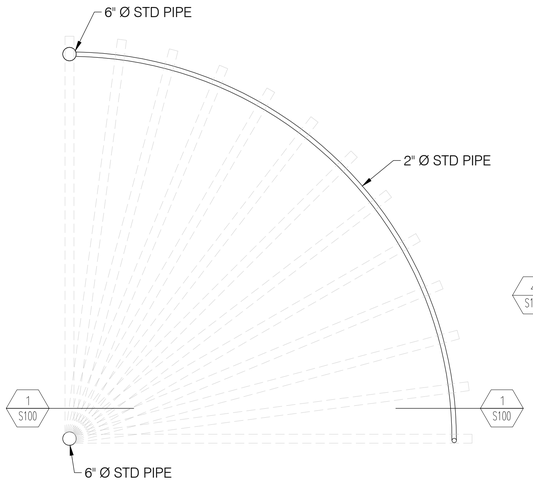
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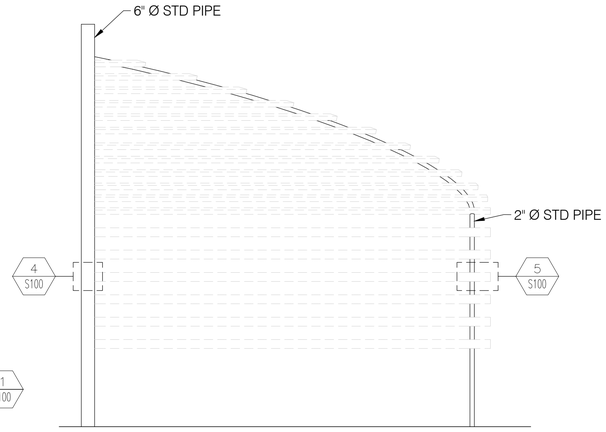
TRELLIS FOUNDATION PLAN

SCALE: 3/8" = 1'-0"



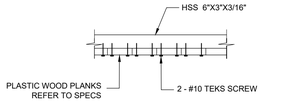
TRELLIS STRUCTURAL ROOF PLAN

SCALE: 3/8" = 1'-0"



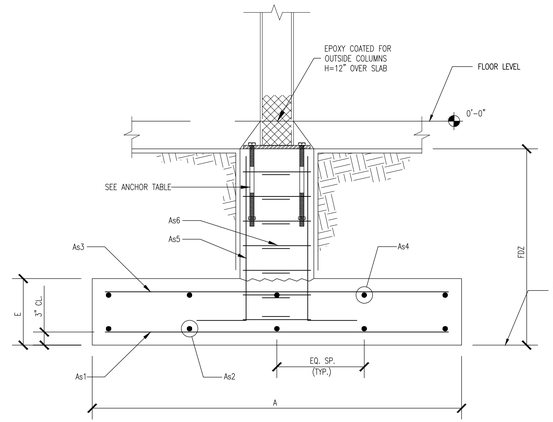
SECTION MK'D. 1 / S100

SCALE: 3/8"=1'-0"



TYPICAL PLANKS CONNECTION

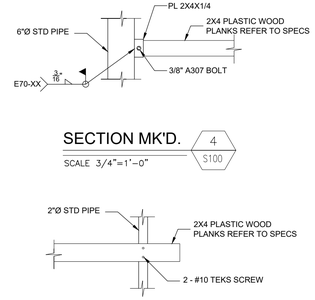
SCALE 3/4"=1'-0"



TYPICAL FOUNDATION ELEVATION

2 / S100

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

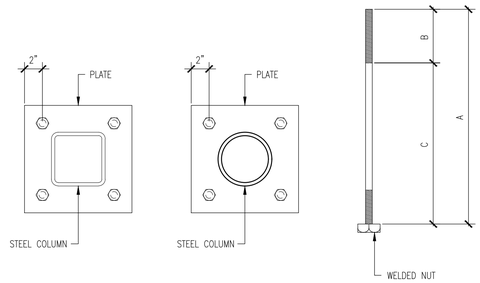


SECTION MK'D. 4 / S100

SCALE 3/4"=1'-0"

SECTION MK'D. 5 / S100

SCALE 3/4"=1'-0"



STL. PLATE DETAIL & ANCHOR WITH BOLT

3 / S100

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

ANCHOR BOLT TABLE									
ID	BOLT	STEEL COLUMN	A	B	C	NUTS	WASHER	ANCHOR BOLT MATERIAL	PLATE (IN)
P1	3/4"	6"ø STD	16"	4"	12"	A563A HEX	F436	F1554 GRADE 55	12"X12"X1/2"
P2	3/4"	2"ø STD	14"	4"	10"	A563A HEX	F436	F1554 GRADE 55	8"X8"X1/2"

FOOTINGTABLE														
MARK	SIZE				REINFORCEMENT									
	L	A	E	FDZ (MINIMUM)	BOTTOM		TOP		PEDESTAL					
					As1	As2	As3	As4	MARK	C	D	As5	As6
F-1	2'-6"	2-6"	1'-0"	3'-0"	#4@6"	#4@6"	#4@8"	#4@8"	P1	14"	14"	(6)#4	#3@6"
F-2	1'-6"	1-6"	1'-0"	3'-0"	#4@8"	#4@8"	#4@8"	#4@8"	P2	11"	11"	(8)#4	#3@6"

OWNER

Gurabo
CIUDAD DE LAS ESCALERAS

PROPONENT

BR&A LLC
PROJECT MANAGEMENT • ENGINEERING • DESIGN

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PROJECT INFORMATION

REHABILITATION OF
GURABO PUBLIC PLAZA
GURABO, PUERTO RICO

REVISIONS

NO.	DESCRIPTION	DATE
A	90% CONSTRUCTION DOCUMENTS	11.27.2023
B	100% CONSTRUCTION DOCUMENTS	01.24.2024

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DESIGNED BY:	JRR
PROJECT NUMBER:	22030

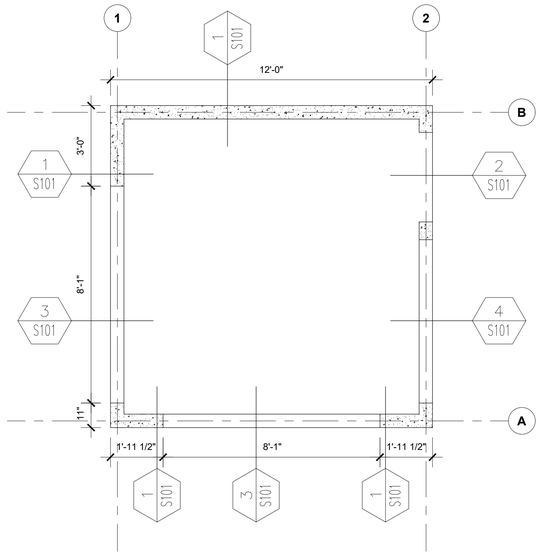
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STRUCTURAL PLANS & DETAILS - TRELLIS

SHEET ID

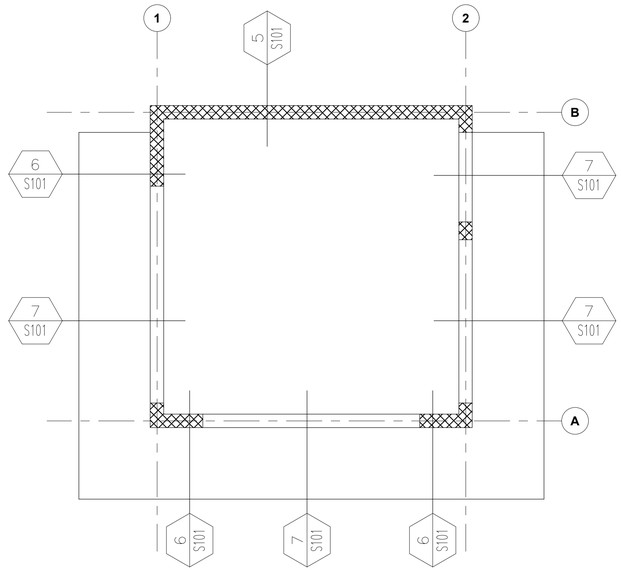
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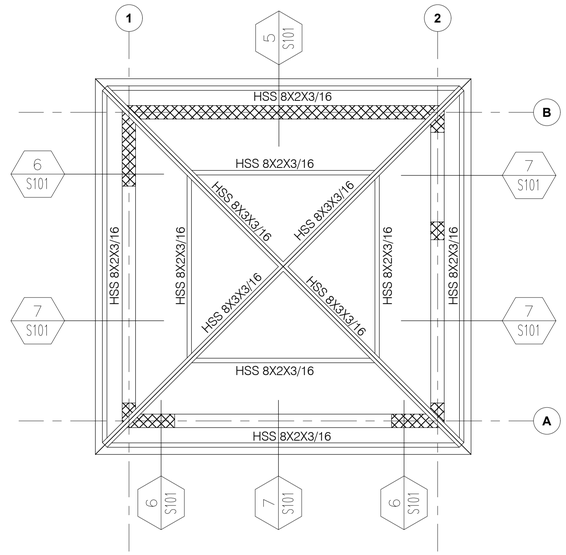
FOUNDATION PLAN - KIOSK

SCALE: 3/8" = 1'-0"



STRUCTURAL TRELLIS PLAN - KIOSK

SCALE: 3/8" = 1'-0"



STRUCTURAL ROOF FRAME PLAN - KIOSK

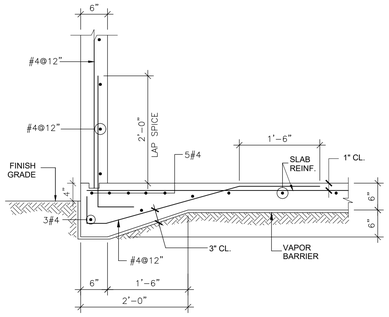
SCALE: 3/8" = 1'-0"

LEGEND:

———	DENOTES TOP BARS REINFORCEMENT
— — —	DENOTES BOTTOM BARS REINFORCEMENT
	DENOTES WALL BELOW ONLY
	DENOTES WALL ABOVE ONLY
	DENOTES WALL BELOW AND ABOVE ONLY
B	BOTTOM REINFORCEMENT
T=	DENOTES THICKNESS SLAB
E.W.	EACH WAY

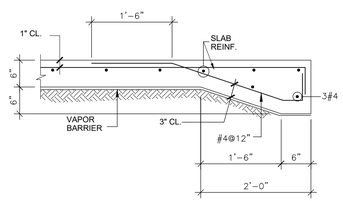
SPECIAL NOTES:

1. DO NOT RUN PIPES OR CONDUITS W/ DIA. GREATER THAN 1" THRU SLAB.
2. SAID PIPES OR CONDUITS TO BE SET BELOW SLAB ON A GRADE TRENCH.
3. SEE TYPICAL DETAIL ON DRAWING S-1.3
4. RUN 1"Ø PIPES OR CONDUITS THRU CENTER OF SLAB SECTION.



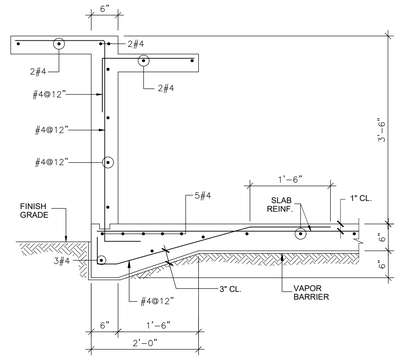
SECTION MK'D. 1 S101

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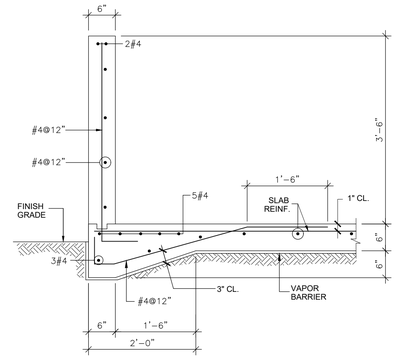
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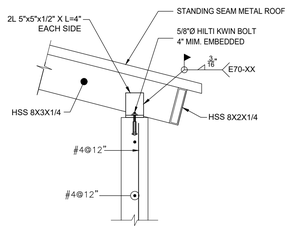
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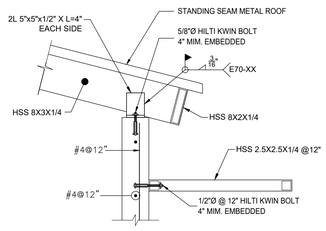
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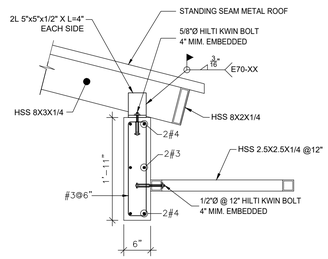
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SCALE: 3/4"=1'-0"



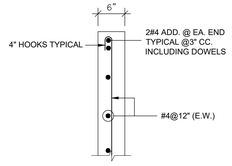
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SCALE: 3/4"=1'-0"



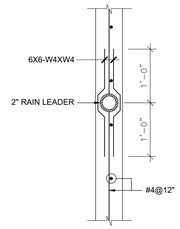
SECTION MK'D. 7 S101

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



WALL REINF. PLANS

SCALE 3/4"=1'-0"



WALL REINF. AT RAIN LEADER (TYP.)

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

NOTE

-DECK FASTENER PATTERN 36/9 (36 in METAL DECK - 9 FASTENER)

-DECK SIDELAP FASTENING @ 6" MIN.

-#8 TEKS SCREW

STRUCTURAL STEEL NOTE

1 - ALL STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH STRUCTURAL STEELWORK SPECIFICATION.
2 - ALL WELDING STEEL SHALL BE IN ACCORDANCE WITH STRUCTURAL STEELWORK SPECIFICATION.
3 - ALL STRUCTURAL STEEL SHALL BE GALVANIZED AND COLD GALVANIZED PAINTED.
4 - THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL STRUCTURAL STEEL TO ENGINEER FOR AUTHORIZATION PRIOR TO THE START THE FABRICATION AND/OR ERECTION.

OWNER

Gurabo
CIUDAD DE LAS ESCALERAS

PROPONENT

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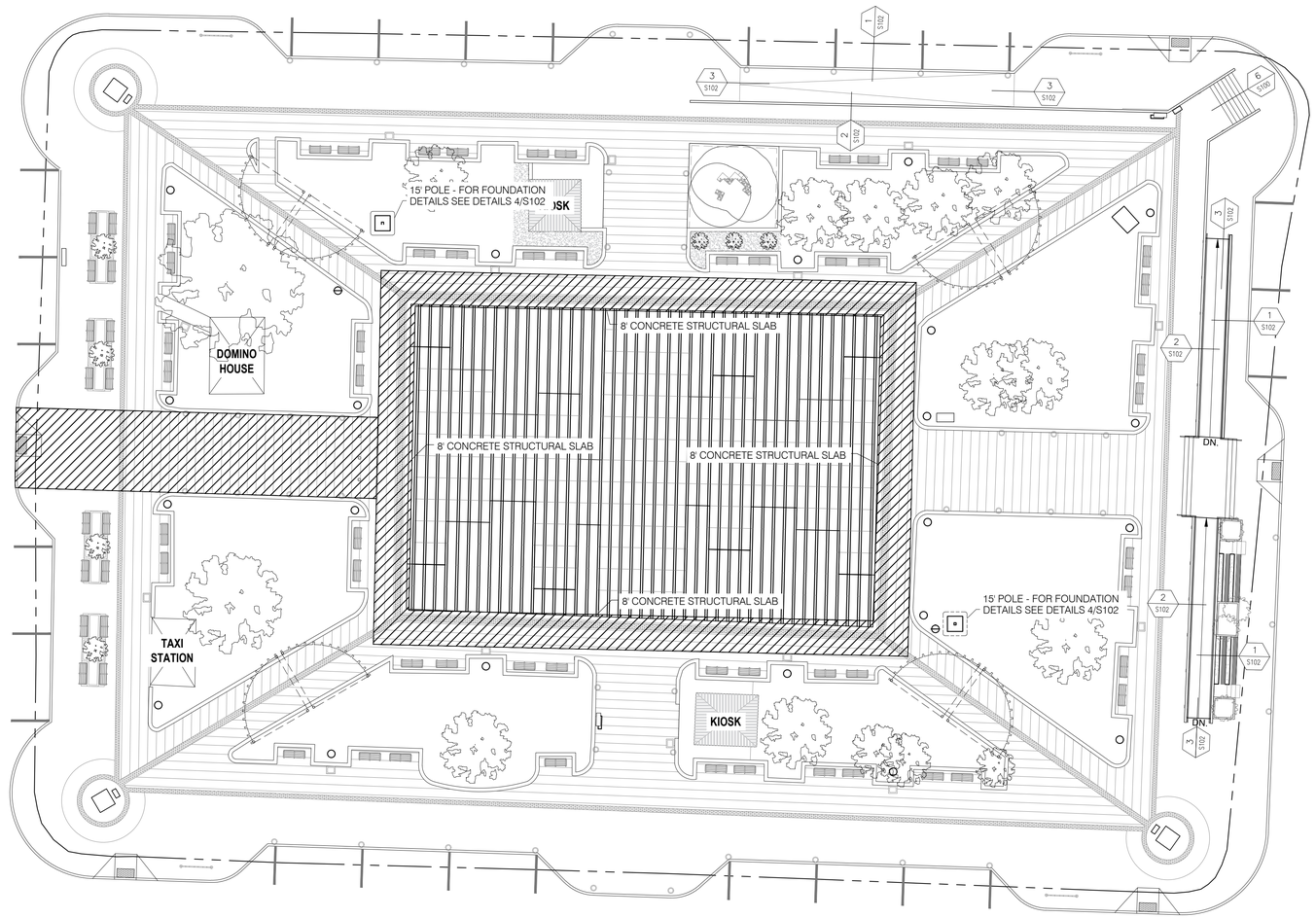
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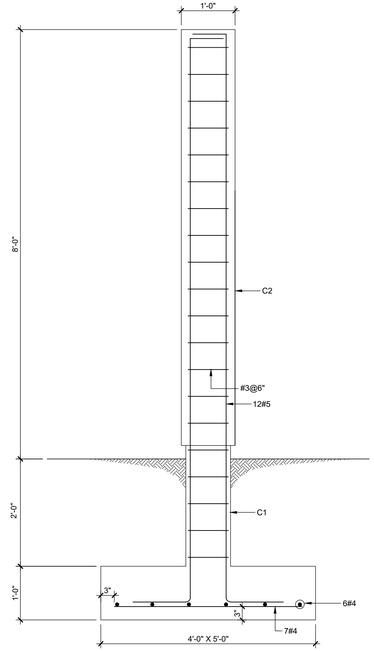
STRUCTURAL PLANS & DETAILS - KIOSK

SHEET ID

S101

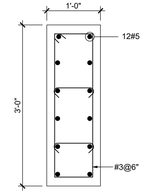
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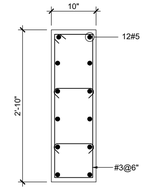
WAYFINDING DETAILS

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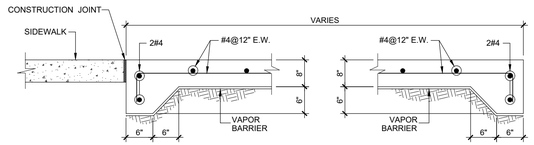
COLUMN C2

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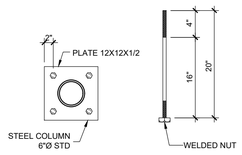
COLUMN C1

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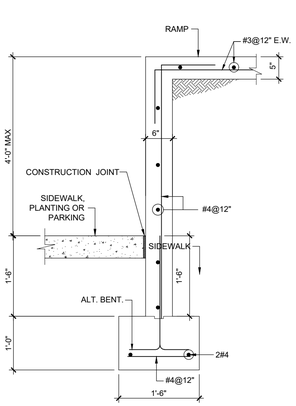
STRUCTURAL SLAB DETAILS

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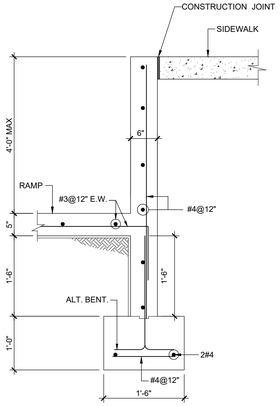
STL. PLATE DETAIL & ANCHOR WITH BOLT

SCALE 3/4"=1'-0"



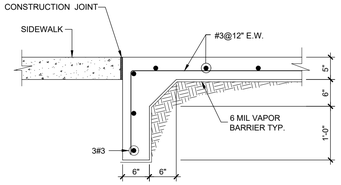
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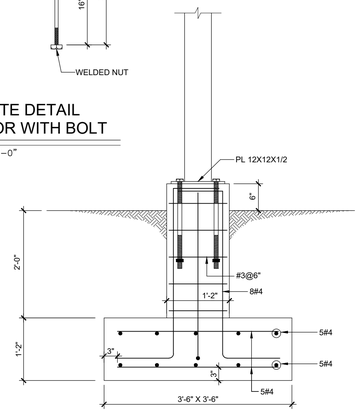
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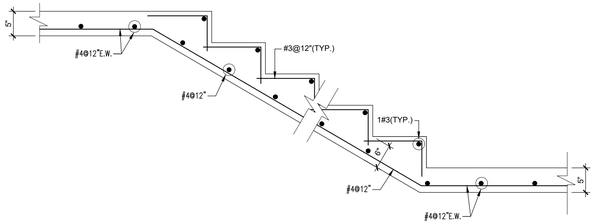
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SCALE 3/4"=1'-0"



SECTION MK'D. F-2 4 / S102

SCALE 3/4"=1'-0"



TYPICAL STAIR DETAILS 5 / S102

SCALE 3/4"=1'-0"

OWNER

Gurabo
CIUDAD DE LAS ESCALERAS

PROPONENT

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SHEET TITLE

STRUCTURAL SITE PLAN & DETAILS

SHEET ID

S102

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MECHANICAL EQUIPMENT DESIGNATIONS

AC	AIR CONDITIONING UNIT	FCU	FAN COIL UNIT
AD	AIR DRYER	FZ	FREEZER
AG	AGITATOR/DRIVE	HE	HEAT EXCHANGER
BO	BOILER	PP	PRIMARY PUMP
BT	BLOWDOWN TANK	PU	PUMP
CE	CENTRIFUGE	RO	REVERSE OSMOSIS UNIT
CF	CARBON FILTER	RT	RECEIVER TANK
CH	CHILLER	RX	REACTOR/MIX TANKS
CL	COOLER	SC	SCRUBBER
CM	COMPRESSOR	SH	SOLID HOPPERS, BINS, SILOS, CHUTES
CON	CONDENSER	SL	STILL, DISTILLATION COLUMMNS
CRU	CONDENSATE RETURN UNIT	SP	SECONDARY PUMP
CT	COOLING TOWER	SM	SINGLE MEDIA PACKAGE SYSTEMS-PROCESS
DA	DEALKALIZER	TA	ALL NON-AGITATED TANKS-DROP TANKS, RECEIVERS, STORAGE TANK, WASH TANKS, FLASH TANKS.
DC	DUST COLLECTOR		
DE	DEAERATOR	UH	UNIT HEADER
DI	DEIONIZER	VF	VARIABLE FREQUENCY CONTROLLER
DR	DRYER-PROCESS	VP	VACUUM PUMP
DX	DIRECT EXPANSION CONDENSER	WH	WATER HEATER
EC	ECONOMIZER	WS	WATER SOFTENER
EWH	ELECTRIC WATER HEATER	XE	HOIST
FL	FILTER-UTILITIES/PROCESS		

PLUMBING SYMBOLS

- VENT PIPE
- PLUG
- PIPE CAP
- BLIND FLANGE
- HORIZONTAL CLEAN OUT
- 90° ELBOW DOWN
- 90° ELBOW UP
- FLOOR CLEANOUT
- TEE UP
- TEE DOWN
- PIPE OFFSET DOWN AT 45°
- PIPE OFFSET UP AT 45°
- ORIFICE FLANGE
- LATERAL
- TRICLOVER FITTING
- PIPE FLANGES
- PIPE UNION
- DIELECTRIC PIPE UNION
- LINE BLIND
- PIPE GUIDE
- PIPE HANGER
- ECCENTRIC REDUCER
- CONCENTRIC REDUCER
- DIRECTION OF FLOW ARROW
- STRAINER
- STRAINER W/BLOWDOWN VALVE
- GATE VALVE
- OUTSIDE SCREW AND YOKE VALVE (6" & LARGER)
- GLOBE VALVE
- CHECK VALVE
- BALL VALVE
- PLUG VALVE
- P-T PLUG
- ANGLE VALVE
- RELIEF VALVE OR SAFETY VALVE
- UNDERGROUND PIPE
- SOLENOID VALVE
- METER
- BACKFLOW PREVENTER DOUBLE CHECK VALVE (SOFT SEATED)
- FLOW MEASURING VENTURI
- FLEXIBLE CONNECTION
- SAFETY SHOWER
- EMERGENCY EYE WASH
- COMBINATION SAFETY SHOWER / EYE WASH
- ROOF DRAIN
- FLOOR DRAIN W/P TRAP
- HUB DRAIN
- RUNNING TRAP (ELEV)
- RUNNING TRAP (PLAN)
- MANHOLE
- DRAIN
- AUTOMATIC AIR VENT
- MANUAL AIR VENT
- CONNECTION TO EXISTING
- DEMOLITION WORK LIMIT
- FLOAT-OPERATED VALVE

JOINT SYMBOLS

- FLANGED JOINT
- SCREWED OR SOCKET WELDED JOINT
- BUTT-WELDED JOINT
- TRI-CLAMPED JOINT
- GROOVED JOINT
- BELL & SPIGOT OR MECHANICAL JOINT

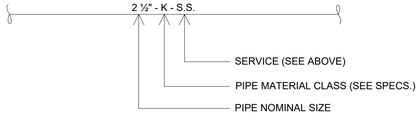
GENERAL NOTES

1. CONTRACTOR SHALL ADJUST LOCATIONS AND ELEVATION OF NEWPLUMBING WORK TO PREVENT INTERFERENCES WITH EXISTING WORK.
2. CONTRACTOR SHALL RECORD ALL CHANGES TO MECHANICAL WORK ON "AS BUILT" DRAWINGS.
3. ALL PIPING, UNLESS NOTED, SHALL BE SUPPORTED FROM BEAMS OR JOISTS IF APPLICABLE WITHIN 3" OF THE PANEL POINTS. CONNECTIONS SHALL BE MADE IN SUCH MANNER THAT NO HOLES BE MADE IN THE BOTTOM CHORD OF JOINTS AND AS DETAILED ON DWG'S.
4. CONTRACTOR SHALL DETERMINE EXACT LOCATION OF SERVICE LINES AND CHANGE PLUMBING / PIPING ACCORDINGLY AFTER APPROVAL OF THE ARCHITECT / ENGINEER.
5. ALL PLUMBING DESIGN IS PROVIDED WITHOUT EQUIPMENT CERTIFIED SHOP DRAWINGS. MECHANICAL CONTRACTOR MUST MAKE ALL NECESSARY ADJUSTMENTS TO THE PLUMBING ACCORDING TO SHOP DRAWING AT SITE AFTER APPROVAL OF OWNER FIELD REPRESENTATIVE WITHOUT ANY ADDITIONAL COST TO THE OWNER.
6. CONTRACTOR SHALL READ CAREFULLY ALL NOTES, SPECIFICATIONS AND SHOP DRAWINGS BEFORE PROCEEDING WITH THIS WORK.
7. MECHANICAL CONTRACTOR SHALL PROVIDE TO BR&A SUBMITTALS WITH SHOP DRAWINGS OF ALL EQUIPMENTS, VALVES AND SPECIALTIES WHENEVER DEVIATIONS FROM SPECIFICATIONS ARE SUBMITTED.
8. ALL DIMENSIONS AND COORDINATES OF PIPING ON THESE DRAWINGS ARE GIVEN FOR REFERENCE TO THE MECHANICAL CONTRACTOR. IT IS THE MECHANICAL CONTRACTOR'S RESPONSIBILITY TO CONFIRM THIS INFORMATION AT SITE AND MAKEANY NECESSARY ADJUSTMENTS AFTER OWNER FIELD REPRESENTATIVE APPROVAL.
9. FOR CONCRETE PADS AND STRUCTURAL SUPORTS FOR EQUIPMENTS SEE STRUCTURAL DRAWINGS.
10. CONTRACTOR WILL REVIEW THE FINAL EQUIPMENT SHOP DRAWINGS AGAINST CONCRETE PADS, PIPING CONNECTIONS AND STRUCTURAL SUPPORTS DRAWINGS BEFORE COMPLETING THAT WORK. ANY DISCREPANCY WILL BE BROUGHT TO THE ATTENTION OF THE ENGINNERS BEFORE PERFORMING ANY WORK. THE DESING IS BASED ON EQUIPMENT DATA AVAILABLE AT THE DATE OF DRAWINGS ISSUE, WHICH MAY CHANGE.
11. WORK RELATED WITH OTHER DISCIPLINES SHALL BE COORDINATED WITH CONSTRUCTION MANAGER, TO PREVENT FUTURE CONFLICTS.
12. ALL PLUMBING WORK SHALL BE IN STRICT ACCORDANCE WITH THE DEPARTMENT OF HEALTH OF P.R., UNIFORM BUILDING CODE, AND THE INTERNATIONAL PLUMBING CODE (2000).
13. SIZES SHOWN IN FIXTURES SCHEDULE ARE MINIMUN AND SHALL BE INCREASED AS NECESSARY TO COMPLY WITH CODE REQUIREMENTS.
14. MINIMUN SLOPE FOR DRAINAGE PIPES SIZE 2" AND SMALLER SHALL BE 1/4" PER FOOT. FOR PIPES 3" AND LARGER SLOPE SHALL BE 1/8" PER FOOT.
15. CLEANOUTS SHALL BE OF THE SAME NOMINAL SIZE AS PIPE UP TO 4" DIA. NOT LESS THAN 4" FOR LARGER PIPES.
16. THE PLUMBING CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF THE PIPING TO AVOID ANY INTERFERENCE WITH PIPING AND/OR EQUIPMENT BEING INSTALLED BY OTHER CONTRACTORS.
17. VENTS THROUGH ROOF SHALL TERMINATE 6" ABOVE ROOF LINE.
18. CLEANOUTS SHALL BE SPACED AS FOLLOWS:
    A. CLEANOUTS FOR PIPES SIZES UP TO AND INCLUDING 4", 50 FT.
    B. CLEANOUTS FOR PIPES LARGER THAN 4", 100 FT.
19. ALL ABOVE GROUND AHU'S DRAINS SHALL BE INSULATED WITH - 1/2" CERTAINTEED ONE-PIECE FIBERGLASS COVERING WITH FIRE-RESISTANT JACKET WITH SELF-SEALING LAP, OR EQUAL OWENS-CORNING OR AMSTRONG.
20. SUMP IS BY OTHERS. EXACT LOCATIONS TO BE DETERMINED. INVERT ELEVATION IS BASED ON LOCATION SHOWN, CONTRACTOR TO ADJUST AS NECESSARY.
21. CONTRACTOR TO ADJUST LOCATION OF FLOOR DRAINS AND TRENCHES AS PER FINAL EQUIPMENT ARRANGEMENT.

SERVICE DESIGNATIONS

CW	CITY WATER	SW	SOFT WATER
PV	PROCESS VENT	VTR	VENT TO ROOF
PW	POTABLE WATER	WFI	WATER FOR INJECTION
SS	SANITARY SEWER	WW	WELL WATER
STS	STORM DRAIN		

PLUMBING DESIGNATION LEGEND



PLUMBING ABBREVIATIONS

AAV	AUTOMATIC AIR VENT
ACFM	ACTUAL CUBIC FEET PER MINUTE
AFF	ABOVE FINISHED FLOOR
AP	ACCESS PANEL
AST	ANTI-SIPHON TRAP
AV	AIR VENT
BAV	BALL VALVE
BD	BLOWDOWN
BF	BLIND FLANGE
BFF	BELOW FINISHED FLOOR
BLDG	BUILDING
BOC	BOTTOM OF CASING
BOP	BOTTOM OF PIPE
BOS	BOTTOM OF STEEL
BWV	BACKWATER VALVE
℄	CENTER LINE
C/C	CENTER TO CENTER
CI	CAST IRON
CLG	CEILING
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONT	CONTINUATION
CONTR	CONTRACT (OR)
CPVC	CHLORINATED POLYVINYL CHLORIDE
CS	CARBON STEEL
CV	CHECK VALVE
D	DRAIN
DI	DUCTILE IRON
DIA	DIAMETER
DN	DOWN
DS	DOWNSPOUT
DV	DRAIN VALVE
DWG	DRAWING
EA	EACH
ECC	ECCENTRIC
EJ	EXPANSION JOINT
EL	ELEVATION
EQUIP	EQUIPMENT
ETA	EXHAUST TO ATMOSPHERE
EVAP	EVAPORATOR
EWT	ENTERING WATER TEMPERATURE
EXP VL	EXPANSION VALVE
EXIST	EXISTING
FF	FINISHED FLOOR
FFE	FINISHED FLOOR ELEVATION
FIN	FINISH
FL	FLOOR
FLEX	FLEXIBLE
FLG	FLANGE
FLTR	FILTER
FND	FOUNDATION
FOB	FLAT ON BOTTOM
FOT	FLAT ON TOP
FT	FOOT (FEET)
FTG	FOOTING
FT HD	FEET OF HEAD (WATER)
FU	FIXTURE UNIT
FUT	FUTURE
GV	GATE VALVE
HCP	HANDICAPPED
HDR	HEADER
HGR	HANGER
HOR	HORIZONTAL
HOV	HAND OPERATED VALVE
IB	INVERTED BUCKET TRAP
ID	INSIDE DIAMETER
IEL	INVERT ELEVATION
IN	INCH (ES)
INSUL	INSULATION
IPS	IRON PIPE SIZE
JAN	JANITOR
LAB	LABORATORY
LBS/HR	POUNDS PER HOUR
LDR	LEADER (STORM DRAIN RISER)
LSV	LONG SHIELD VALVE
LR	LONG RADIUS
MAV	MANUAL AIR VENT
MAX	MAXIMUM
MECH	MECHANICAL
MIN	MINIMUM
MTL	MATERIAL
MEZZ	MEZZANINE
NC	NORMALLY CLOSED (MANUAL OPERATION)
NEC	NATIONAL ELECTRICAL CODE
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN (MANUAL OPERATION)
No.	NUMBER
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OF	OVERFLOW PIPE
OPNG	OPENING
OZ	OUNCE
Ph	PHASE
PH	PIPE HANGER
PL	PROPERTY LINE
PRESS	PRESSURE
RED	REDUCER (ING)
RT	RUNNING TRAP WITH CLEANOUT
SF	SQUARE FEET
SPEC	SPECIFICATIONS
SP GR	SPECIFIC GRAVITY
SP HT	SPECIFIC HEAT
SQ	SQUARE
SR	SHORT RADIUS
SS	STAINLESS STEEL
STD	STANDARD
STR	STRAINER
TEMP	TEMPERATURE
TOP	TOP OF PIPE
TOS	TOP OF STEEL
TYP	TYPICAL
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
V	VENT
VERT	VERTICAL
VL	VALVE
VS	VENT STACK
VTR	VENT THRU ROOF
W	WASTE
WG	WATER GAUGE (COLUMN)
WPD	WATER PRESSURE DROP
WT	WEIGHT
XHCI	EXTRA HEAVY CAST IRON

OWNER

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CIUDAD DE LAS ESCALERAS

PROPONENT

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SEAL

YO, LUIS GAUTIER SANABRIA, LIC. 18575, CERTIFICO QUE SOY EL PROFESIONAL QUE CONFECCIONÓ Y/O DISEÑÓ Y/O PREPARÓ ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIÉN CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE 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 NÚM. 14 DEL 8 DE ENERO DE 2004, SEGÚN ENMENDADA, CONOCIDA COMO LEY PARA LA INVERSIÓN POR LA INDUSTRIA PUERTORRIQUEÑA Y CON LA LEY NÚM. 319 DEL 15 MAYO DE 1938 , SEGÚN ENMENDADA; LEY NÚM. 96 DEL 6 DE JULIO DE 1978, SEGÚN ENMENDADA; SEGÚN APLIQUE). RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIONES DE LOS HECHOS QUE SE HAYA PRODUCIDO POR DESCONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MÍ, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR LA OGPE.

PROJECT INFORMATION

REHABILITATION OF GURABO PUBLIC PLAZA GURABO, PUERTO RICO

REVISIONS

NO.	DESCRIPTION	DATE
A	90% CONSTRUCTION DOCUMENTS	09.27.2023
B	90% REVISED	01.25.2024

DATE ISSUED:	01.25.2024
REVIEWED BY:	LGS
DRAWN BY:	JFR
DESIGNED BY:	LGS
PROJECT NUMBER:	22030

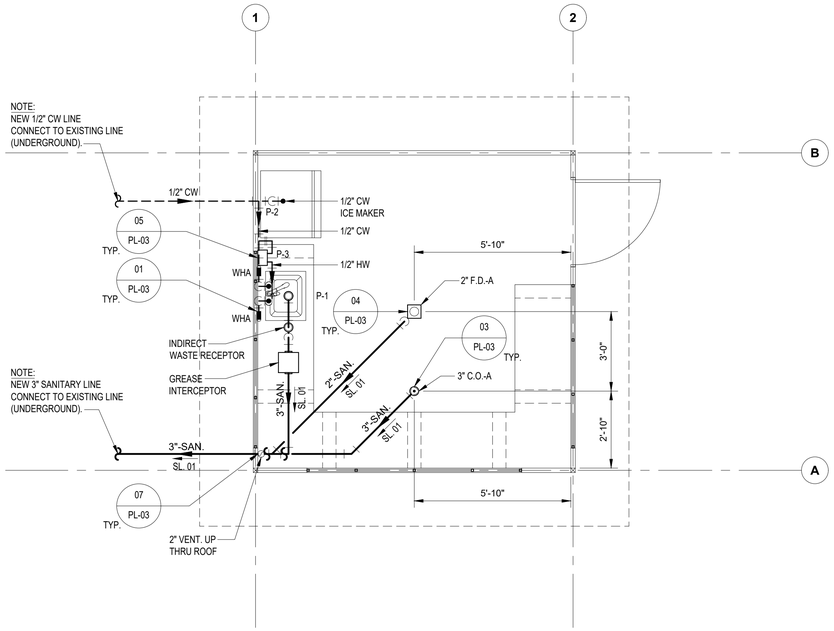
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PLUMBING
LEGEND, ABBREVIATIONS
AND GENERAL NOTES

SHEET ID

PL-01

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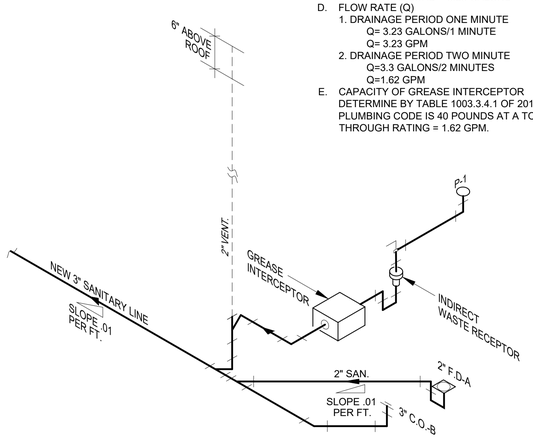


KIOSK- ENLARGED PLUMBING FLOOR PLAN

SCALE: 3/8" = 1'-0"

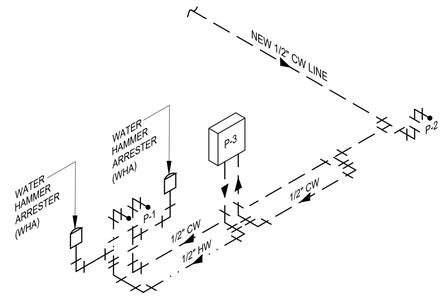
GREASE INTERCEPTOR CALCULATION DATA

A. SINK COMPARTMENT; ONE 15"X11"X6"
B. VOLUME OF FIXTURE: (V)
V=(15"X11"X6")X3
V=990 CUBIC INCH
V(GALONS)= $\frac{990}{231}$ = 4.3 GALONS
C. DRAINAGE LOAD
ACTUAL LOAD = 0.75 X 4.3
ACTUAL LOAD = 3.23 GALONS
D. FLOW RATE (Q)
1. DRAINAGE PERIOD ONE MINUTE
Q= 3.23 GALONS/1 MINUTE
Q= 3.23 GPM
2. DRAINAGE PERIOD TWO MINUTE
Q=3.3 GALONS/2 MINUTES
Q=1.62 GPM
E. CAPACITY OF GREASE INTERCEPTOR
DETERMINE BY TABLE 1003.3.4.1 OF 2018 PUERTO RICO PLUMBING CODE IS 40 POUNDS AT A TOTAL FLOW-THROUGH RATING = 1.62 GPM.



KITCHEN / FOOD PREPARATION AREA SANITARY SEWER ISOMETRIC

NOT TO SCALE



KITCHEN / FOOD PREPARATION AREA CITY WATER ISOMETRIC

NOT TO SCALE

LEGEND:

P-1	SINK
P-2	ICE MAKER
P-3	ELECTRICAL WATER HEATER, (EQUAL OR SIMILAR TO MAREY POWER PLUS MODEL 220V.)
	P.V.C. SANITARY LINE
	EXISTING SANITARY LINE
	P.V.C. VENT. LINE
	COPPER COLD WATER LINE
	EXISTING COLD WATER LINE
	COPPER HOT WATER LINE
	CLEAN OUT FLUSH WITH FLOOR
CO	FLOOR DRAIN FLUSH WITH FLOOR
CO	CLEAN OUT FLUSH WITH WALL
	WATER HAMMER ARRESTER (WHA)

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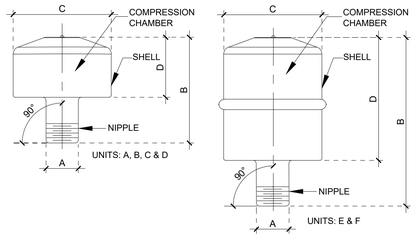
SHEET TITLE

KIOSK - ENLARGED PLUMBING FLOOR PLAN

SHEET ID

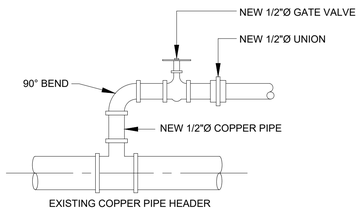
PL-02

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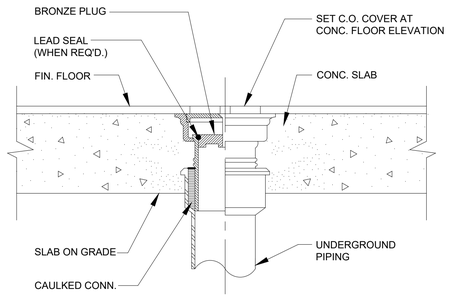


PCN/ Fig. No.	P.D.I. Symbol	Fixture Unit Rating	A SIZE	B	C	D
5005	A	1-11	3/4 (19)	3.18 (81)	3.25 (83)	1.80 (46)
5010	B	12-32	1 (25)	3.93 (100)	3.25 (83)	2.13 (54)
5020	C	33-60	1 (25)	4.30 (109)	3.25 (83)	2.42 (61)
5030	D	61-113	1 (25)	5.25 (133)	3.25 (83)	3.38 (86)
5040	E	114-154	1 (25)	5.57 (141)	3.25 (83)	3.57 (91)
5050	F	155-330	1 (25)	6.53 (166)	3.25 (83	4.50 (114

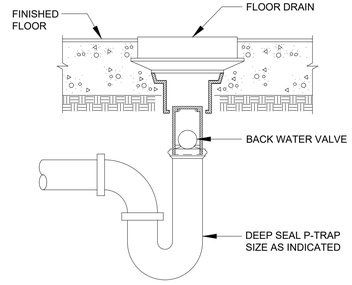
WATER HAMMER ARRESTER DETAIL
SCALE: N.T.S. — 01 / PL-03



GATE VALVE DETAIL
SCALE: N.T.S. — 02 / PL-03



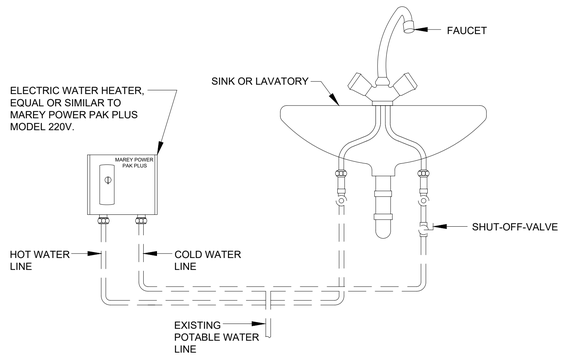
FLOOR CLEAN OUT DETAIL (C.O.-A)
SCALE: N.T.S. — 03 / PL-03



FLOOR DRAIN DETAIL (F.D.-A)
SCALE: N.T.S. — 04 / PL-03

PLUMBING GENERAL NOTES:

1. ALL PLUMBING WORK SHALL IN STRICT ACCORDANCE WITH THE DEPARTMENT OF HEALTH OF P.R., THE LOCAL BUILDING CODE, THE INTERNATIONAL PLUMBING CODE.
2. CLEANOUTS SHALL BE OF THE SAME NOMINAL SIZES AS THE PIPE DIAMETER UP TO 4".
3. THE CONTRACTOR SHALL FURNISH AND SET IN PLACE BEFORE CONCRETE POURING ALL NECESSARY SLEEVES FOR WASTE OR SOIL, COLD WATER LINES.
4. THE PLUMBING CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF THE PIPING TO AVOID ANY INTERFERENCE WITH PIPING AND / OR EQUIPMENT BEING INSTALLED BY OTHER CONTRACTORS.
5. CLEANOUTS SHALL BE PLACED AS SHOWN ON DRAWINGS.
6. THE CONTRACTOR SHALL VERIFY IN FIELD ALL INVERT ELEVATIONS AND SHALL MAKE ANY NECESSARY ADJUSTMENT AS REQUIRED BY FIELD CONDITIONS AND AS REQUIRED, TO OBTAIN THE PROPER SLOPES.
7. IT IS THE INTENTION OF THE DRAWINGS TO CALL FOR FINISHED WORK, COMPLETE, TESTED AND READY FOR OPERATION. MINOR DETAILS NOT SHOWN OR SPECIFIED, BUT NECESSARY FOR THE PROPER INSTALLATION AND FOR FUNCTIONING AND OPERATION OF THE SYSTEM SHALL FORM PART OF THE WORK TO BE DONE BY THE CONTRACTOR.
8. BIDDERS SHALL VISIT THE SITE AND ACQUAINT THEMSELVES WITH THE CONDITIONS AS THEY ACTUALLY EXIST AND VERIFY DIMENSIONS, LOCATIONS AND DETAILS REQUIRED TO COMPLETE THE WORK. WHICH WILL BE THE ONLY OPPORTUNITY FOR POTENTIAL CONTRACTORS TO SEE THE SITE. FAILURE TO VISIT THE PROJECT AREA WILL IN NO WAY RELIEVE THE SUCCESSFUL BIDDER OF FURNISHING ALL MATERIAL AND PERFORMING ALL WORK REQUIRED FOR THE COMPLETION OF CONTRACT. VISIT TO THE PROJECT AREA SHALL BE ARRANGED THROUGH THE OWNER.
9. PROVIDE ACCESS FOR OPERATION AND MAINTENANCE TO EVERY PLUMBING VALVE. ACEESS SHALL BE AS REQUIRED BY ARCHITECT.
10. THE CONTRACTOR SHALL WITHOUT EXTRA CHANGE, MAKE REASONABLE MODIFICATIONS IN THE LAYOUT, AS NEEDED, TO PREVENT CONFLICT WITH WORK OF THE OTHER TRADES OR FOR PROPER EXECUTION OF THE WORK.
11. CONTRACTOR SHALL LOCATE IN FULLY ACCESSIBLE POSITIONS ALL EQUIPMENT WHICH MUST BE SERVICED, OPERATED, OR MAINTAINED.
12. ALL UNDERGROUND COLD WATER COPPER PIPING SHALL BE TYPE "K", DIAMETER AS INDICATED.
13. ALL COLD AND HOT WARERCOPPER PIPING ABOVE FINISH FLOOR ELEVATION SHALL BE TYPE "L", DIAMETER AS INDICATED.
14. ALL WASTE, SANITARY AND STORM DRAINAGE LINES SHALL BE PVC 40. OR AS SPECIFIED ON DRAWINGS.
15. ALL PIPING SHALL BE CONCEALED IN FLOOR TOPPINGS, WALL OR CHASES UNLESS OTHERWISE NOTED. ALL COLD AND HOT WATER COPPER PIPING SHALL RUN AT ALL TIMES ABOVE ALL WASTE, SANITARY DRAINAGE LINES AS INDICATED BY CODE REQUIREMENTS.
16. LONG SWEEP BENDS OR LONG SWEEP FITIINGS SHALL BE PROVIDED AT THE BASE OF ALL STACKS.
17. CLEANOUTS SHALL NOT BE MORE THAN 100 FEET APART.
18. THE PLUMBING CONTRACTOR SHALL COORDINATE HIS/HER PORTION OF THE WORK WITH THE GENERAL CONTRACTOR AND SHALL PROVIDE SLEEVES AT SLABS OR BEAMS FOR PIPING LAYOUT AND FIXTURES INSTALLATION.
19. ALL FIXTURES SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER SPECIFICATIONS.
20. SIZES SHOWN IN FIXTURES SCHEDULE ARE MINIMUM AND SHALL BE INCREASED AS NECESSARY TO COMPLY WITH CODE REQUIREMENTS OR AS SHOWN ON DRAWINGS.
21. SINGLE AND DOUBLE TEES AND QUARTER BENDS SHALL BE USED IN LINES ONLY WHERE THE DIRECTION OF FLOW IS FROM THE HORIZONTAL TO THE VERTICAL.
22. ALL HORIZONTAL PORTIONS OF SOIL STACKS AND BRANCHES SHALL HAVE MINIMUM SLOPE OF 1/4" PER FOOT FOR PIPES 2 1/2" DIAMETER OR LESS. 1/8" PER FOOT FOR PIPES 3" OR LARGER IN DIAMETER.
23. THE PLUMBING CONTRACTOR SHALL COORDINATE HIS / HER WORK IN ORDER TO AVOID ANY INTERFERENCE WITH THE WORK OF OTHER CONTRACTORS AND THE INSTALLATION OF FIXTURES AND OR EQUIPMENT BY OTHERS.
24. GATE VALVES LOCATED UNDERGROUND OR BELOW FLOOR SLABS SHALL BE INSTALLED WITHIN A CAST IRON OR CONCRETE BOX WITH 9 X 9 J.R. SMITH ACCESS COVER FIG. 4915-U.
25. PLUMBING CONTRACTOR SHALL PROVIDE ALL NECESSARY SERVICES AND / OR CONNECTIONS REQUIRED FOR THE PLUMBING FIXTURES AND / OR EQUIPMENT SHOWN ON THE FIXTURES PLANS.
26. PLUMBING CONTRACTOR SHALL PROVIDE ALL NECESSARY ROUGHIN-IN AND SHALL INSTALL THE PLUMBING FIXTURES INDICATED ON THENSE DRAWINGS.
27. WHEREVER REQUIRED OR NEEDED THE PLUMBING CONTRACTOR SHALL PREPARE AND SUBMIT THE NECESSARY SHOP DRAWINGS FOR THE APPROVAL OF THE ARCHITECT.
28. BEFORE STARTING CONSTRUCTION, THE PLUMBING CONTRACTOR SHALL VERIFY THE EXACT LOCATION AND ELEVATIONS OF EXISTING PIPE LINES TO REMAIN IN USE ANY SIGNIFICANT DISCREPANCY WITH THE INFORMATION SHOWN ON THESE DRAWINGS SHALL BE NOTIFIED TO THE ARCHITECT FOR REVISION AND / OR CLARIFICATION.
29. ALL EXPOSED HOT WATER LINES SHALL BE INSULATED WITH 1-1/2" THICK MATERIAL WITH A THERMAL CONDUCTIVITY NOT TO EXCEED 0.22 BTU PER SQ. INCH PER HOUR AT MEAN TEMPERATURE OF 75°F.
30. FIXTURES, FITTINGS, ACCESSORIES, MATERIAL AND ALL PLUMBING PRODUCTS SHALL EQUAL OR SIMILAR SHALL BE ONLY ACCEPTED IF PREVIOSLY APPROVED BY THE ARCHITECT.
31. PROVIDE AIR GAO BETWEEN EQUIPMENT AHU'S AND HUB DRAIN, INSTALL NECESSARY FITIING TO AVOID SPLASH IN THESE AREAS.
32. WHEN EXCAVATION IS IN FINISH FLOOR AREAS USE SAME DETAIL BUT ADD FINISH FLOOR DETAIL AS PER STRUCTURAL DRAWINGS. BE SIMILAR TO JAY R. SMITH AS INDICATED BY FIGURE NUMBER 5010. DOOR AND FRAME WITH CONCEALED HINGE LOCKED DOOR SIMILAR TO JAY R. SMITH MODEL AS INDICATED IN FIGURE NUMBER U762-08X08-CL WITH ITS BOTTOM AT 18" A.F.F. VERIFIED BY CONTRACTOR. THE LOCATION OF ALL EXISITING PLUMBING PIPES AND UTILITIES, SHOWN ON DRAWINGS, THAT ARE NOT VISIBLE AT FIELD, SHALL BE DEEMED AS ESTIMATE, AND SHALL BE FIELD VERIFIED PRIOR COMMENCING OF ANY DEMOLITION / CONSTRUCTION WORK. ANY DISCREPANCIES SHALL BE BROUGHT TO ENGINNER'S ATTENTION AND DISCUSSED BEFORE WORK EXECUTION.



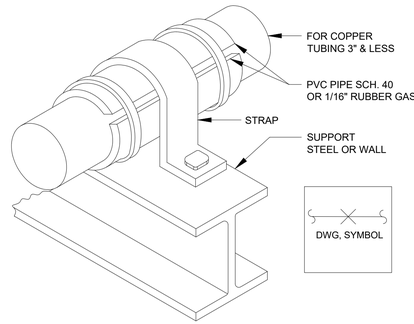
TANKLESS ELECTRIC WATER HEATER DETAIL
SCALE: N.T.S. — 05 / PL-03

SANITARY ROUGH - IN SCHEDULE
COORDINATE WITH ARCHITECTURAL PLANS FOR FIXTURE SPECS AND HEIGHTS BEFORE PURCHASING AND ROUGH-IN

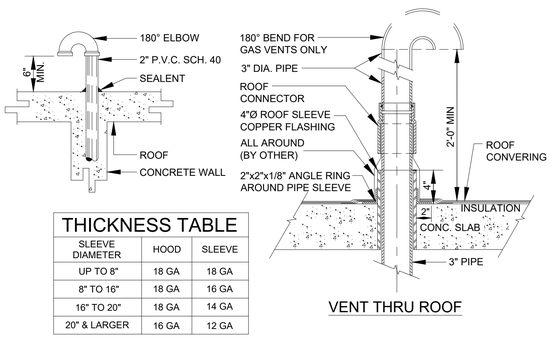
ITEM NO.	DESCRIPTION	TRAP	VENT	WATER SUPPLY BRANCH COLD	BRANCH HOT	FIXTURE COLD	FIXTURE HOT	REMARKS
P-1	SINK	1 1/2"	2"	-	-	3/8"	3/8"	KITCHEN AREA
P-2	ICE MACKER	-	-	-	-	1/2"	-	KITCHEN AREA
P-2	ELECTRICAL WATER HEATER	-	-	-	-	1/2"	1/2"	KITCHEN AREA
F.D.-A	FLOOR DRAIN		-	-	-	-	-	REFER TO FIXTURE SCHEDULE FOR SPECIFICATION

PLUMBING FIXTURE SCHEDULE

DESIGNATION	DESCRIPTION	DRAIN CONNECTION	REMARKS
F.D.-A	FLOOR DRAINS IN FINISHED AREAS AND SHALL BE CAST IRON BODY AND NICKEL BRONZE ADJUSTABLE (TYPE B) STRAINER.		ZURN ZN-415
C.O.-A	CLEAN OUT IN FINISHED FLOOR AREAS SHALL BE PLASTIC PVC, TYPE I FITTING CLEAN OUT ADAPTER WITH FLUSH CLEAN OUT PLUG AND SCORIATED NICKEL BRONZE ROUND ACCESS COVER AND FRAME.		SPEARS PVC & ZURN ZN-1440-5



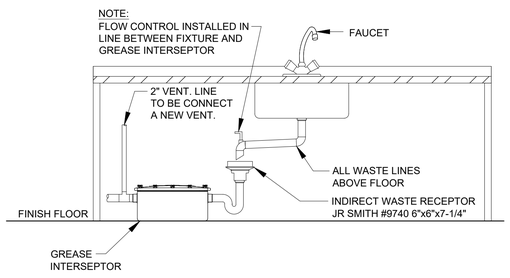
PIPE SUPPORT FOR COPPER PIPES
SCALE: N.T.S. — 06 / PL-03



THICKNESS TABLE		
SLEEVE DIAMETER	HOOD	SLEEVE
UP TO 8"	18 GA	18 GA
8" TO 16"	18 GA	16 GA
16" TO 20"	18 GA	14 GA
20" & LARGER	16 GA	12 GA

VENT THRU ROOF

TYPICAL VENTILATION AND PIPE OPENING THRU ROOF DETAIL
SCALE: N.T.S. — 07 / PL-03



GREASE INTERCEPTOR FLOOR INSTALLATION DETAIL
SCALE: N.T.S. — 08 / PL-03

OWNER

Gurabo
CIUDAD DE LAS ESCALERAS

PROPONENT

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SEAL

YO, LUIS GAUTIER SANABRIA, LIC. 18575, CERTIFICO QUE SOY EL PROFESIONAL QUE CONFECCIONÓ Y/O DISEÑÓ Y/O PREPARÓ ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIEN 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, ADEMAS, QUE EN LA PREPARACIÓN DE ESTOS PLANOS Y ESPECIFICACIONES SE HA CUMPLIDO CABALMENTE CON LO DISPUESTO EN LA LEY NUM. 14 DEL 8 DE ENERO DE 2004, SEGÚN ENMENDADA, CONOCIDA COMO LEY PARA LA INVERSIÓN POR LA INDUSTRIA PUERTORRIQUEÑA Y CON LA LEY NUM. 319 DEL 15 MAYO DE 1938 , SEGÚN ENMENDADA (LEY NUM. 96 DEL 6 DE JULIO DE 1978, SEGÚN ENMENDADA; SEGÚN APLIQUE). RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIONES DE LOS HECHOS QUE SE HAYA PRODUCIDO POR DESCONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MÍ, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCIÓN, JUDICIAL Y DISCIPLINARIA POR LA OOPE.

PROJECT INFORMATION

REHABILITATION OF GURABO PUBLIC PLAZA GURABO, PUERTO RICO

REVISIONS

NO.	DESCRIPTION	DATE
A	90% CONSTRUCTION DOCUMENTS	09.27.2023
B	90% REVISED	01.25.2024

DATE ISSUED:	01.24.2024
REVIEWED BY:	LGS
DRAWN BY:	JFR
DESIGNED BY:	LGS
PROJECT NUMBER:	22030

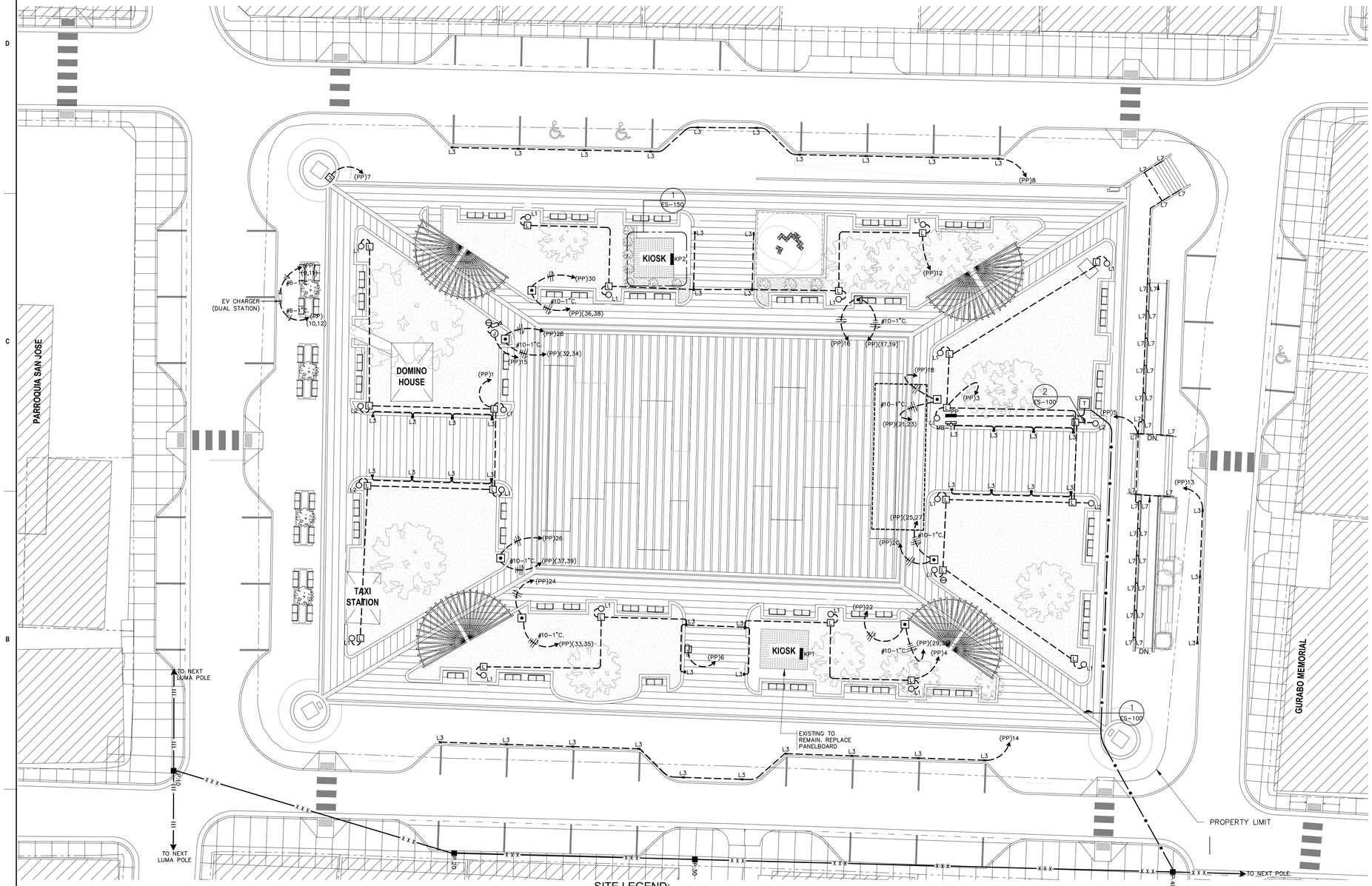
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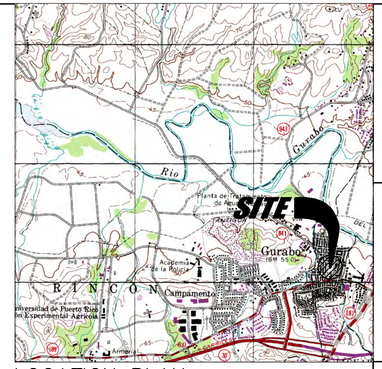
PLUMBING DETAILS AND GENERAL NOTES

SHEET ID

PL-03

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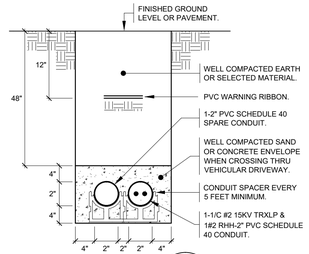


LOCATION PLAN

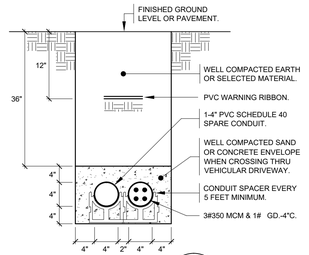
SCALE : 1:20,000

LAMBERT COORDINATES:

X = 248,748.83
Y = 246,833.36



SECTION 1 ES-100
N.T.S.



SECTION 2 ES-100
N.T.S.

SITE LEGEND:

III	EXISTING 3Ø-4W- #336 SPACER 4.16KV LUMA OVERHEAD LINE TO REMIAN.
X X X	EXISTING 3Ø-3W- #4CU-4.16KV LUMA OVERHEAD LINE TO BE MODIFED BY LUMA. EXTENDING NEUTRAL WIRE FROM P.10 TO P.40 AT NO COST TO THE PROJECT.
■	EXISTING CONCRETE POLE TO REMAIN.
●	EXISTING WOODEN POLE TO BE REPLACED WITH A NEW 50'-0" CONCRETE UTILITY POLE. WORK TO BE DONE BY LUMA AT OWNER EXPENSES.
—•—	NEW PRIMARY UNDERGROUND FEEDER BY CONTRACTOR. SEE SECTION 1/ES-100 FOR DETAILS.
T	NEW 100KVA SINGLE PHASE 2.4KV TO 120/240V PAD MOUNTED TRANSFORMER. SEE DETAILS AT SHEET ES-200
	NEW SECONDARY METER BANK - SEE DETAIL AT SHEET ES-200. SEE DETAILS AT SHEET ES-200
- - - -	SECONDARY UNDERGROUND FEEDERS.
	ONE 120V/20A DUPLEX RECEPTACLE AND ONE 240V/30A SINGLE RECEPTACLE ON A 18" STAINLESS STEEL, HINGE TOP PEDESTAL AS PER PEDOC CAT. #5P18-SS-HT-144.
L	WEATHER PROOF JUNCTION BOX FOR LIGHTING CIRCUIT.

16 0 16 32
SCALE: 1/16" = 1'-0"

A1 ELECTRICAL SITE PLAN (LIGHTING & POWER)

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

DESIGNER'S CERTIFICATION

1. I certify that I am a licensed and registered engineer, surveyor, or architect (in compliance with Act 173 of 1988, as amended) and authorized by the project or land owner to submit these construction plans to LUMA Energy as operator and administrator of the Transmission and Distribution System of the Puerto Rico Electric Power Authority.

2. In compliance with Act No. 135 of July 15, 1967, as amended known as the "Construction Plans of Projects Certification Act", I certify that I prepared the electric design for this project in accordance with the codes. Standards, rules, and regulations approved by LUMA, Puerto Rico Planning Board and Permits Management Office and the CIAPR Professional Practice Manual.

DESIGNER'S SIGNATURE

ENDORSEMENT

PROJECT NAME: PLAZA PUBLICA GURABO
PROJECT NUMBER: 23-2-0961
LOAD(KVA): 100KVA REVISION:

ENDORSED BY

1. LUMA Endorses the electric design shown in these construction plans based on the certification presented by the designer in compliance with Act 135 of July 15, 1967, as amended.

2. LUMA does no assume responsibility over the certified design. LUMA's endorsement does not relieve the designer from professional responsibility assumed with certification of these project's plans. This endorsement relieves neither the builder nor private inspector from compliance with standing dispositions form: National Electric Safety Code; constructions standards, norms, and regulations from LUMA and other goverment agencies as well as federal and state laws ruling by the time construction begins.

3. This endorsement is valid for one (1) year. If electrical works have begun during this year, with prior notification to LUMA, the endorsement will still be valid until work's completion. In case there is no certified electrical work during this period, this endorsement will lose its validity. This endorsement is not to constitute and easement or to complete the Assignment, Transfer and Guarantee process of the equipment. For this, it is necessary to comply with all provisions of the Easements Regulation for the Electric Power Authority (7282 of 2007).

JRR LUMA R. REQUENA & ASSOCIATES INGENIEROS C.S.P. LICENSE NUMBER 6,695

designed: Ing. A. Calzada lic.: 15089
drawn by: M. Ayala lic.: 3957

This drawing is not authorized to be released for contract until fully approved by Architect, Owner and all corresponding Government Agencies including LUMA and J.R.T.P.R.

OWNER

Gurabo
CIUDAD DE LAS ESCALERAS

PROPONENT

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PROJECT MANAGEMENT • ENGINEERING • DESIGN
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SEAL

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PROJECT INFORMATION

REHABILITATION OF
GURABO PUBLIC PLAZA
GURABO, PUERTO RICO

REVISIONS

NO.	DESCRIPTION	DATE
A	90% CONSTRUCTION DOCUMENTS	2024.01.25

DATE ISSUED:	
REVIEWED BY:	EAS, MA
DRAWN BY:	EAZ
DESIGNED BY:	EAS, MA
PROJECT NUMBER:	22030

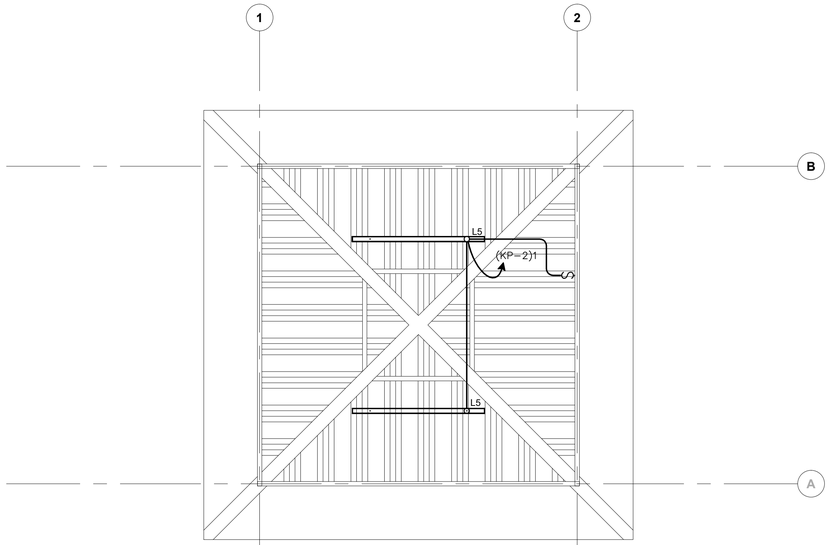
SHEET TITLE

ELECTRICAL
SITE PLAN
(LIGHTING & POWER)

SHEET ID

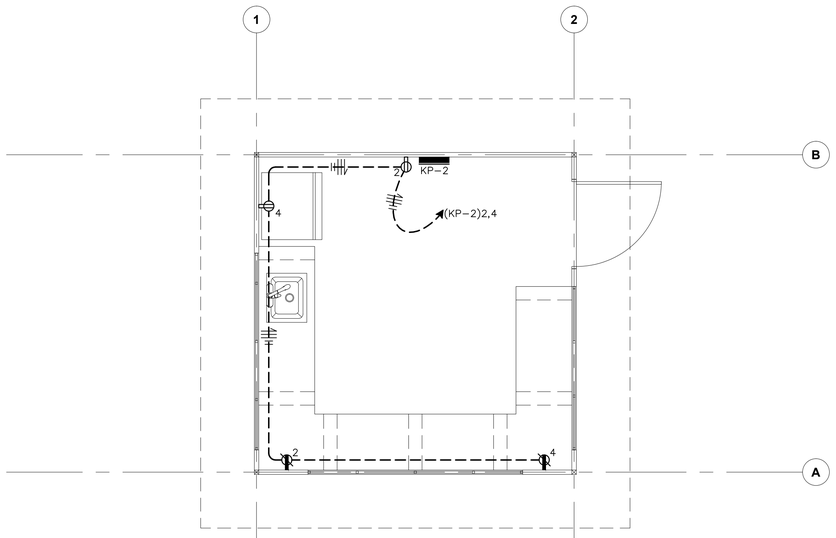
ES-100

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2 NEW KIOSK LIGHTING PLAN

SCALE: 3/8"=1'-0"



2 NEW KIOSK POWER PLAN

SCALE: 3/8"=1'-0"

OWNER

Gurabo
CIUDAD DE LAS ESCALERAS

PROPONENT

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PROJECT INFORMATION

REHABILITATION OF GURABO PUBLIC PLAZA GURABO, PUERTO RICO

REVISIONS

NO.	DESCRIPTION	DATE
A	90% CONSTRUCTION DOCUMENTS	2024.01.25

DATE ISSUED:	
REVIEWED BY:	EAS, MA
DRAWN BY:	EAZ
DESIGNED BY:	EAS, MA
PROJECT NUMBER:	22030

SHEET TITLE

KIOSK ELECTRICAL PLAN

JRR JUAN R. REQUENA & ASOCIADOS INGENIEROS CONSULTORES, P.S.C.

designed: Ing. A. Calzada lic.: 15089

drawn by: M. Ayala lic.: 3957

This drawing is not authorized to be released for contract until fully approved by Architect, Owner and all corresponding Government Agencies including LUMA and J.R.T.P.R.

SHEET ID

ES-150

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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 PERMITS & RIGHT OF WAYS CONCERNING THIS TYPE OF PROJECT.

3-OWNER MUST CONTRACT THE SERVICES OF A PUERTO RICO LICENSED ENGINEER WHO WILL BE RESPONSIBLE OF INSPECTING THE WORK IN ACCORDANCE WITH NUMBER 7 CERTIFICATION LAW JULY 19, 1985, AS AMMENDED, AND WILL ENFORCE P.R.E.P.A.'S ELECTRICAL CONSTRUCTION PROJECT PLANS CERTIFICATION REGULATION. OWNER MUST NOTIFY P.R.E.P.A., THE PRIVATE INSPECTOR DESIGNATION BEFORE PROJECT BEGINS.

4-ELECTRICAL CONTRACTOR SHALL PERFORM THIS WORK, AS DESIGNED ON THESE DRAWINGS. CONTRACTOR MUST OBSERVE THE BEST ELECTRICAL CONSTRUCTION INDUSTRY PRACTICES. INSTALLATION SHALL BE IN ACCORDANCE WITH P.R.E.P.A.'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 FOR 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 P.R.E.P.A. OF THE START OF CONSTRUCTION AT LEAST 15 DAYS BEFORE PROJECT START, CONTRACTOR SHALL DO SO BY FILING PREPA'S CONSTRUCTIONS START DOCUMENT.

7-ELECTRICAL CONTRACTOR AND PRIVATE INSPECTOR ARE RESPONSIBLE TO SCHEDULE, ASSIST. & COORDINATE WITH P.R.E.P.A.'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 P.R.E.P.A. AND THE OWNER MUST ASSUME ALL THE EQUIPMENT, MATERIAL & LABOR COST. OWNER (VIA PROJECT'S CONTRACTOR) MUST REQUEST TO P.R.E.P.A. A JOB QUOTE. THE QUOTE IS VALID FOR 3 MONTHS.

9-PERFORMING ANY KIND OF WORK ON ELECTRICAL RIGHT OF WAY WITHOUT P.R.E.P.A.'S WRITTEN AUTHORIZATION IS STRICTLY PROHIBITED.

10-P.R.E.P.A. WILL NOT APPROVE ANY CONNECTION OF PROJECTS THAT ARE INVADING RIGHT OF WAYS OR THAT DO NOT COMPLY WITH THE REQUIRED SECURITY SET BACKS.

SYSTEMS:

1-IT IS OWNER'S/CONTRACTOR RESPONSIBILITY TO PERFORM CABLE TESTS TO ALL PRIMARY AND SECONDARY FEEDERS AND STRESS CONES. TESTS RESULTS MUST BE IN ACCORDANCE WITH P.R.E.P.A.'S ESTABLISHED PARAMETERS FOR EACH TEST. TEST MUST BE PERFORMED IN COORDINATION WITH P.R.E.P.A.'S ENGINEERING DEPARTMENT'S INSPECTIONS OFFICE REPRESENTATIVE.

2-DURING CABLE INSTALLATION, CABLE MUST BE PROTECTED FROM HUMIDITY AND DAMAGES. CONTRACTOR IS RESPONSIBLE FOR INSTALLING CABLES USING RECOMMENDED PULLING TECHNIQUES IN ORDER NOT TO EXCEED SPECIFIED CABLE MAXIMUM PULLING TENSION.

3-MANHOLE COVERS TO BE INSTALLED AT GREEN PLANTING AREAS MUST BE PROTECTED USING A REINFORCED CONCRETE SLAB AS PER P.R.E.P.A.'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 P.R.E.P.A.

5-UNDERGROUND CONDUIT DUCT BANK MUST BE INSPECTED BY P.R.E.P.A. 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-THE QUANTITY OF SPARE FUSES 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 SYSTEMS MUST BE 10 OHMS. A GROUNDING ROD FOR NEUTRAL CONNECTION MUST BE INSTALLED FOR EVERY FOUR POLES OR EVERY 1,000 FEET AND IN ALL TRANSFORMERS.

11-TWO SPARE CONDUITS FOR FUTURE USE MUST BE INSTALLED AT EACH CONCRETE POLE BASE AS REQUIRED BY P.R.E.P.A.

12-CONCRETE POLE BASES MUST BE INSPECTED BY P.R.E.P.A. 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 P.R.E.P.A., PRIOR TO INSTALLATION, THAT ALL MATERIAL OR EQUIPMENT TO BE USED IS P.R.E.P.A. APPROVED, P.R.E.P.A. RESERVES THE RIGHT OF ACCEPTING ANY EQUIPMENT TO BE TRANSFERRED 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-FOR UNDERGROUND SYSTEMS, USE PRIMARY CABLES WITH 15KV STRESS CONE FOR DISTRIBUTION VOLTAGES AND 46KV STRESS CONE FOR 38KV VOLTAGE.

5-FOR OVERHEAD SYSTEMS, USE 15KV POLYMER INSULATORS FOR DISTRIBUTION VOLTAGES AND 46KV POLYMER INSULATORS FOR 38KV VOLTAGE.

6-CONTRACTOR IS RESPONSIBLE FOR PROPERLY MARKING ALL TRANSFORMERS TO BE TRANSFERRED TO P.R.E.P.A. WITH A PROPERTY NUMBER PROVIDED BY THE CORRESPONDING DISTRIBUTION ENGINEERING DEPARTMENT.

SPECIAL NOTES:

1-PROJECT OWNER SHALL PAY P.R.E.P.A. THE AMOUNT OF $00.00FOR THE EXISTING ELECTRICAL SYSTEM IMPROVEMENTS.

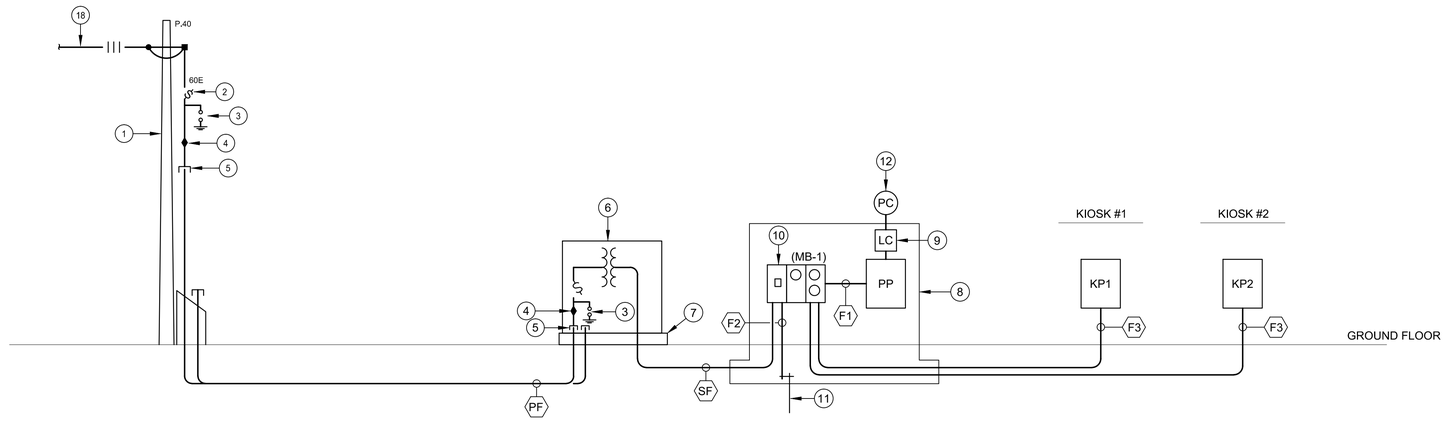
2-P.R.E.P.A. WILL NOT ENERGIZE THE PROJECT UNTIL THE OWNER HAS ESTABLISHED THE REQUIRED RIGHT OF WAYS IN ACCORDANCE WITH "REGLAMENTO DE SERVIDUMBRES PARA LA AUTORIDAD DE ENERGIA ELECTRICA". THIS NOTE APPLIES TO ALL REQUIRED RIGHT OF WAY, INSIDE & OUTSIDE THE PROPERTY LIMITS.

3-THE INSTALLATION OF THE METERING SYSTEMS HAS 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 SUBSTATIONS, TRANSFORMERS OR ANY OTHER ELECTRICAL EQUIPMENT OVER SEWER SYSTEM, WATER LINES OR ANY OTHER UTILITIES IS PROHIBITED.

5-PRIOR TO PURCHASING ANY METERING EQUIPMENT, ELECTRICAL CONTRACTOR SHALL COORDINATE WITH P.R.E.P.A.'S METERING SECTION THE AVAILABILITY OF EQUIPMENTS TO BE SUPPLIED BY PREPA.

6-IF THIS PROJECT REQUIRES PREPA'S BULK POWER RATE CONTRACT, WHICH IS REQUIRED TO BE SIGNED PRIOR TO ENERGIZING THE PROJECT. THE LOCATION, EQUIPMENT AND METER TYPE TO BE USED SHALL BE COORDINATED WITH "OFICINA IRREGULARIDADES EN EL CONSUMO DE ENERGIA ELECTRICA-MEDICION", SUPERVISOR AT SAN JUAN REGIONAL OFFICE.



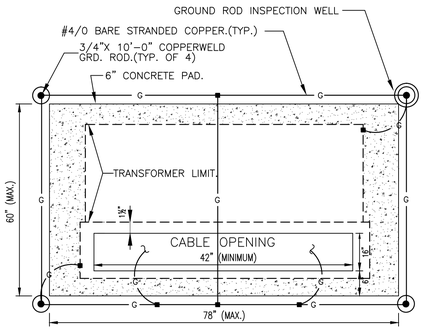
ONE LINE DIAGRAM
N.T.S.

EQUIPMENT SCHEDULE:

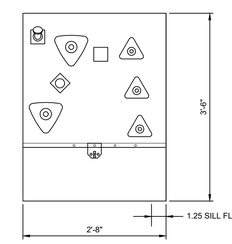
1. NEW 50'-0" CONCRETE POLE TO SERVE AS DELIVERY POINT. NEW RISER TO BE DONE BY CONTRACTOR. URD-2A, 4 & 5.
2. 100A, 27KV 150KVBIL OPEN FUSE CUTOUT WITH 10E FUSES.
3. 3KV OUTDOOR TYPE M.O.V. LIGHTNING ARRESTER.
4. 15KV OUTDOOR TYPE PREFABRICATED STRESS CONE.
5. SEALING FITTINGS. TYPE & SIZE AS REQUIRED.
6. PAD MOUNTED TRANSFORMER 100KVA, OISC, NON-PCB, STAINLESS STEEL CONSTRUCTION. COPPER WINDING, BIL AS PER LUMA'S STANDARDS 4.16KVY/2.4KV-240/120V-1Ø WITH ELBOW TYPE CONNECTORS, 3KV LIGHTING ARRESTERS, 60E 15KV FUSES. LOW LOSSES CONSTRUCTION ACCORDING TO DOE & LUMA STDS. LUMA APPROVED TYPE.
7. 6" CONCRETE PAD.
8. CONCRETE PEDESTAL.
9. LIGHTING CONTACTOR. SEE SCHEDULE.
10. LUMA'S METER BANK. 120/240V-1Ø-3W-S/N-400 AMPS. WITH ONE 400 AMPS-2P MAIN BREAKER, TWO 2P-100AMPS. BREAKERS & ONE 2P-400AMP BREAKER.
11. 10'-0" X 5/8" COPPERWELD GROUND ROD.
12. PHOTOCONTROL FOR LIGHTING CONTACTOR OPERATION.

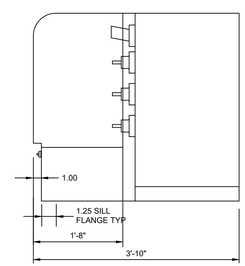
FEEDER SCHEDULE:

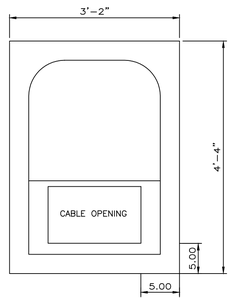
- PF → 1#2 AWG-15KV-COPPER-TRXLPE-90C-SHIELDED & PVC JACKET & 1#2 AWG RHH NEUTRAL IN 2" PVC SCHED 40 CONDUIT & 1-2" PVC SCHEDULE 40 SPARE CONDUIT.
- SF → 2 SETS OF:(3#3/0 MCM & 1#2 (GD) - 3" PVC SCHEDULE 40 C.)
- F1 → 2 SETS OF:(3#3/0 AWG & 1#2 (GD) - 3" PVC SCHEDULE 40 C.)
- F2 → 1#2 AWG GREEN GROUND CONDUCTOR IN 1"C.
- F3 → 3#2 AWG & 1#8 (GD)-2" PVC SCHEDULE 40C.



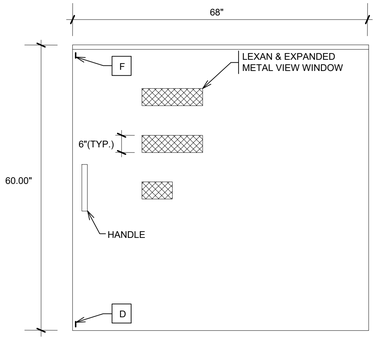
PAD MOUNTED TRANSFORMER GRD. DETAIL
N.T.S.



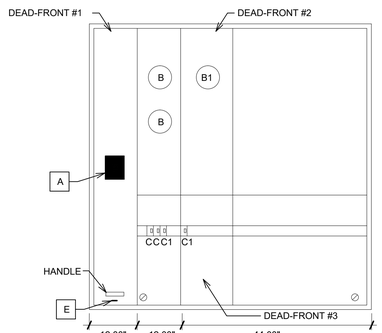




PAD MOUNTED TRANSFORMER DETAIL
N.T.S.



FRONT VIEW



SECTION A-A

METERBANK (MB-1) DETAIL
N.T.S.

LEGEND:

ITEM	DESCRIPTION
A	MAIN CIRCUIT BREAKER 400A/2P-10 KAIC
B	METER SOCKER 100AMP-1PH-4 TERMINAL
B1	METER CABINET 400AMP-1PH-4 TERMINAL
C	CIRCUIT BREAKER 100A/2P-10 KAIC
C1	CIRCUIT BREAKER 400A/2P-10 KAIC
D	PADLOCK PROVISION FOR MAINTENANCE
E	PADLOCK PROVISION FOR LUMA.

JRR — LUIS R. REQUENA & ASSOCIATES — CIVIL ENGINEERS — STRUCTURAL ENGINEERS — P.S.C.M.E.P. ENGINEERS

designed: Ing. A. Calzada lic.: 15089

drawn by: M. Ayala lic.: 3957

This drawing is not authorized to be released for contract until fully approved by Architect, Owner and all corresponding Government Agencies including LUMA and J.R.T.P.R.

DESIGNER'S CERTIFICATION

1. I certify that I am a licensed and registered engineer, surveyor, or architect (in compliance with Act 173 of 1988, as amended) and authorized by the project or land owner to submit these construction plans to LUMA Energy as operator and administrator of the Transmission and Distribution System of the Puerto Rico Electric Power Authority.
2. In compliance with Act No. 135 of July 15, 1967, as amended known as the "Construction Plans of Projects Certification Act", I certify that I prepared the electric design for this project in accordance with the codes, Standards, rules, and regulations approved by LUMA, Puerto Rico Planning Board and Permits Management Office and the CIAPR Professional Practice Manual.

DESIGNER'S SIGNATURE

ENDORSEMENT

LUMA

PROJECT NAME: PLAZA PUBLICA GURABO

PROJECT NUMBER: 23-2-0961

LOAD(KVA): 100KVA REVISION:

ENDORSED BY

1. LUMA Endorses the electric design shown in these construction plans based on the certification presented by the designer in compliance with Act 135 of July 15, 1967, as amended.
2. LUMA does no assume responsibility over the certified design. LUMA's endorsement does not relieve the designer from professional responsibility assumed with certification of these project's plans. This endorsement relieves neither the builder nor private inspector from compliance with standing dispositions form: National Electric Safety Code; constructions standards, norms, and regulations from LUMA and other goverment agencies as well as federal and state laws ruling by the time construction begins.
3. This endorsement is valid for one (1) year. If electrical works have begun during this year, with prior notification to LUMA, the endorsement will still be valid until work's completion. In case there is no certified electrical work during this period, this endorsement will lose its validity. This endorsement is not to constitute and easement or to complete the Assignment, Transfer and Guarantee process of the equipment. For this, it is necessary to comply with all provisions of the Easements Regulation for the Electric Power Authority (7282 of 2007).

OWNER

Gurabo — CIUDAD DE LAS ESCALERAS

PROPONENT

BR&A LLC — PROJECT MANAGEMENT • ENGINEERING • DESIGN
3100 Rd. 199 SUITE 203
SAN JUAN, P.R. 00926
Office Telephone:
(787) 707-1717
br@brapr.com

CONSULTANT

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Puerto Rico Convention Center District
The Hub 200 Convention Boulevard Suite 201
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alvarezdiazvillalon.com
info@advfirm.com

SEAL

YO, ARNALDO CALZADA, UC. 15089, CERTIFICO QUE SOY EL PROFESIONAL QUE CONFECCIONÓ Y/O DISEÑÓ Y/O PREPARÓ ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS, TAMBIEN CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DEL REGLAMENTO CON LENTO Y LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE CONSTRUCCIÓN VIGENTES DE LAS AGENCIAS , JUNTAS REGLAMENTADORAS O CORPORACIONES PÚBLICAS CON JURISDICCIÓN. CERTIFICO, ADEMAS, QUE EN LA PREPARACION DE ESTOS PLANOS Y ESPECIFICACIONES SE HA CUMPLIDO CABALMENTE CON LO DISPUESTO EN LA LEY NUM. 14 DEL 8 DE ENERO DE 2004, SEGUN ENMENDADA, CONOCIDA COMO LEY PARA LA INVERSIÓN POR LA INDUSTRIA PUERTORRIQUEÑA Y CON LA LEY NUM. 319 DEL 15 MAYO DE 1938 , SEGUN ENMENDADA; LEY NUM. 96 DEL 6 DE JULIO DE 1978, SEGUN ENMENDADA; SEGÚN APLIQUE). RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIONES DE LOS HECHOS QUE SE HAYA PRODUCIDO POR DESCONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MI, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR LA OGPE.

PROJECT INFORMATION

REHABILITATION OF GURABO PUBLIC PLAZA GURABO, PUERTO RICO

REVISIONS

NO.	DESCRIPTION	DATE
A	90% CONSTRUCTION DOCUMENTS	2024.01.25

DATE ISSUED:	
REVIEWED BY:	EAS, MA
DRAWN BY:	EAZ
DESIGNED BY:	EAS, MA
PROJECT NUMBER:	22030

SHEET TITLE

ONE LINE DIAGRAM & DETAILS

SHEET ID

ES-200

7/8/2020 3:15:46 PM K:\Plaza de Gurabo 23-84\23-84 Working Drawings\23-84-ES-200.dwg

PANEL SCHEDULE

PANEL DESCRIPTION: PP				LOCATION: METER COLUMN			
VOLTS: 1ø–S/N–120/240V				AMPS: 400A M.L.O.			
MOUNTING: FLUSH				I.C.: 10,000A			
PANEL TYPE: NQOD				REMARKS: NEMA 3R, VANDAL PROOF			
LOAD DESCRIPTION	FRAME	TRIP	CKT. NO.	CKT. NO.	TRIP	FRAME	LOAD DESCRIPTION
LIGHTING POLES THRU LC	QO	20	1	2	20	QO	LIGHTING POLES THRU LC
LIGHTING POLES THRU LC	QO	20	3	4	20	QO	LIGHTING POLES THRU LC
STEP LIGHTS THRU LC	QO	20	5	6	20	QO	MONUMENT LIGHT THRU LC
MONUMENT LIGHT THRU LC	QO	20	7	8	20	QO	LIGHTING THRU LC
EV CHARGER	QO	40	9	10	40	QO	EV CHARGER
			11	12			
LIGHTING THRU LC	QO	20	13	14	20	QO	LIGHTING THRU LC
SECURITY CAMERA	QO	20	15	16	20	QO	POWER PEDESTAL
POWER PEDESTAL	QO	30	17	18	20	QO	POWER PEDESTAL
			19	20	20	QO	POWER PEDESTAL
POWER PEDESTAL	QO	30	21	22	20	QO	POWER PEDESTAL
			23	24	20	QO	POWER PEDESTAL
POWER PEDESTAL	QO	30	25	26	20	QO	POWER PEDESTAL
			27	28	20	QO	POWER PEDESTAL
POWER PEDESTAL	QO	30	29	30	20	QO	POWER PEDESTAL
			31	32	30	QO	POWER PEDESTAL
POWER PEDESTAL	QO	30	33	34			
			35	36	30	QO	POWER PEDESTAL
POWER PEDESTAL	QO	30	37	38			
			39	40	20	QO	SPARE
SPARE	QO	20	41	42	20	QO	SPARE
SPARE	QO	20	43	44	20	QO	SPARE
SPARE	QO	20	45	46	20	QO	SPARE
SPARE	QO	20	47	48	20	QO	SPARE
SPARE	QO	20	49	50	20	QO	SPARE
SPARE	QO	20	51	52	20	QO	SPARE
SPARE	QO	20	53	54	20	QO	SPARE
SPARE	QO	20	55	56	20	QO	SPARE
SPARE	QO	20	57	58	20	QO	SPARE
SPARE	QO	20	59	60	20	QO	SPARE

PANEL DESCRIPTION: KP1 & KP2				LOCATION: KIOK			
VOLTS: 1ø–S/N–120/240V				AMPS: 100A M.L.O.			
MOUNTING: SURFACE				I.C.: 10,000A			
PANEL TYPE: NQOD				REMARKS:			
LOAD DESCRIPTION	FRAME	TRIP	CKT. NO.	CKT. NO.			LOAD DESCRIPTION
LIGHTING	QO	20	1	2	20	QO	RECEPTACLES
SPARE	QO	20	3	4	20	QO	RECEPTACLES
SPARE	QO	20	5	6	20	QO	SPARE
SPARE	QO	20	7	8	20	QO	SPARE
SPARE	QO	20	9	10	20	QO	SPARE
SPARE	QO	20	11	12	20	QO	SPARE
SPACE	QO	–	13	14	–	QO	SPACE
SPACE	QO	–	15	16	–	QO	SPACE
SPACE	QO	–	17	18	–	QO	SPACE
SPACE	QO	–	19	20	–	QO	SPACE
SPACE	QO	–	21	22	–	QO	SPACE
SPACE	QO	–	23	24	–	QO	SPACE

LUMINAIRE SCHEDULE:

DESIG.	DESCRIPTION	LAMPS	MANUFACTURER
L-1	EXISTING POLE LIGHT.		EXISTING
L-2	EXISTING POLE LIGHT, DOUBLE.		EXISTING
L-3	LED BOLLARD LIGHTING.	22W 550 LUMENS 3,000K LED	BEGA 77589
L-4	NOT USED		
L-5	LINEAR LED SURFACE MOUNTED.	55W 4,700 LUMENS 3,000K LED	BEGA 24311
L-6	NOT USED		
L-7	LED RECESSED STEP LIGHT.	20W 1,400 LUMENS 3,000K LED	BEGA 33059

LIGHTING CONTACTOR SCHEDULE:

DESIGNATION	POLES	CONTACT RATING	COIL RATING	MODEL
LC	12	120V/30A	120V	GE CR463 MD0CJA20AA

OWNER

Gurabo
CIUDAD DE LAS ESCALERAS

PROPONENT

BR&A LLC
PROJECT MANAGEMENT • ENGINEERING • DESIGN
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info@advfirm.com

SEAL

YO, ARNALDO CALZADA, LIC. 15089, CERTIFICO QUE SOY EL PROFESIONAL QUE CONFECCIONÓ Y/O DISEÑÓ Y/O PREPARÓ ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS, TAMBIEN 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, ADEMAS, QUE EN LA PREPARACIÓN DE ESTOS PLANOS Y ESPECIFICACIONES SE HA CUMPLIDO CABALMENTE CON LO DISPUESTO EN LA LEY NUM. 14 DEL 8 DE ENERO DE 2004, SEGÚN ENMENDADA, CONOCIDA COMO LEY PARA LA INVERSIÓN POR LA INDUSTRIA PUERTORRIQUEÑA Y CON LA (LEY NÚM. 319 DEL 15 MAYO DE 1938 , SEGÚN ENMENDADA; LEY NÚM. 96 DEL 6 DE JULIO DE 1978, SEGÚN ENMENDADA; SEGÚN APLIQUEL RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIONES DE LOS HECHOS QUE SE HAYA PRODUCIDO POR DESCONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MI, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCION JUDICIAL Y DISCIPLINARIA POR LA OGPE.

PROJECT INFORMATION

REHABILITATION OF GURABO PUBLIC PLAZA GURABO, PUERTO RICO

REVISIONS

NO.	DESCRIPTION	DATE
A	90% CONSTRUCTION DOCUMENTS	2024.01.25

DATE ISSUED:	
REVIEWED BY:	EAS, MA
DRAWN BY:	EAZ
DESIGNED BY:	EAS, MA
PROJECT NUMBER:	22030

SHEET TITLE

SCHEDULES

SHEET ID

ES-300

JRR JUAN R. REQUENA & ASOCIADOS
PO BOX 364225 SAN JUAN, PR 00936-4225

designed: Ing. A. Calzada lic.: 15089
drawn by: M. Ayala lic.: 3957

This drawing is not authorized to be released for contract until fully approved by Architect, Owner and all corresponding Government Agencies including LUMA and J.R.T.P.R.

ELECTRICAL SYMBOLS: (ALL SYMBOLS SHOWN ARE NOT NECESSARILY USED ON THE DRAWINGS)

LIGHTING:

- SURFACE OR RECESSED LIGHTING FIXTURE, LETTER DENOTES TYPE. (NL DENOTES NIGHT LIGHT)
- WALL WASHER LIGHTING FIXTURE, LETTER DENOTES TYPE.
- EXIT SIGN, ARROWS AS INDICATED, LETTER DENOTES TYPE DARKENED AREA DENOTES LIGHTED FACE.
- STRIP LED LIGHTING FIXTURE, LETTER DENOTES TYPE.
- LIGHT FIXTURE ON EMERGENCY OR UNSWITCHED CIRCUIT, LETTER DENOTES TYPE.
- LED OR HID LIGHT FIXTURE, LETTER DENOTES TYPE, DRAWN TO SCALE.
- WALL MOUNTED LIGHT FIXTURE, LETTER DENOTES TYPE.(NL DENOTES NIGHT LIGHT)
- STAGGERED STRIP LED FIXTURE, LETTER DENOTES TYPE.
- EMERGENCY LIGHT, BATTERY OPERATED.

SWITCHES:

- $ SWITCH, SPST, 20A, 120/277V.
- $_{3W}$ SWITCH, 20A, 120/277V, "2" DENOTES DPST, "3" DENOTES THREE-WAY, "4" DENOTES FOUR-WAY.
- $_{L}$ SWITCH, SPDT, CENTER OFF, MOMENTARY CONTACT.
- $_{K}$ SWITCH, SPST, 20A, 120/277V, "K" DENOTES KEY SWITCH, "P" DENOTES PILOT LIGHT, "N" DENOTES NARROW MULLION SWITCH.
- DIMMER CONTROL SWITCH, 2000 WATT UNLESS OTHERWISE NOTED.
- $_{MS}$ WALL MOUNTED INFRARED MOTION SENSOR.
- DOUBLE POLE SWITCH 30A-250V-3W-QUIET TYPE W/PILOT LIGHT, 4'-0"(1219) A.F.F.

RECEPTACLES AND OUTLETS

- SIMPLEX WALL RECEPTACLE, NEMA 5-20R, 20A, 125V, "C" DENOTES CLOCK OUTLET.
- DUPLEX WALL RECEPTACLE, NEMA 5-20R, 20A, 125V, "H" DENOTES MOUNTED HORIZONTALLY.
- DUPLEX WALL RECEPTACLE MOUNTED 6" (152) ABOVE COUNTER OR BACKSPLASH.
- DUPLEX RECEPTACLE 20A,125V,3W, ISOLATED GROUND, AT 1'-6" A.F.F.
- $_{WP}$ DUPLEX WALL RECEPTACLE. "WP" DENOTES WEATHERPROOF, "TR" DENOTES SAFETY TYPE. "GFI" DENOTES GROUND FAULT INTERRUPTER. "SS" DENOTES SURGE SUPRESSION "IG" DENOTES ISOLATED GROUND.
- QUADRUPLEX RECEPTACLE 20A,125V,3W, GROUNDING TYPE, AT 1'-6" A.F.F.
- DUPLEX RECEPTACLE 20A-125V W/G.F.I., 1'-6" A.F.F.
- DITTO, BUT 3'-6" A.F.F.
- SPECIAL RECEPTACLE, NEMA CONFIGURATION AS NOTED.
- FLOOR RECEPTACLE FLUSH MOUNTED.
- CEILING RECEPTACLE FLUSH MOUNTED.
- SINGLE RECEPTACLE 30A,250V,3W, GROUNDING TYPE, AT 1'-6" A.F.F.
- SINGLE RECEPTACLE 50A,250V,3W, GROUNDING TYPE, AT 1'-6" A.F.F.
- TV TELEVISION CABLE OUTLET @ 6'-8" (2032) A.F.F.
- CLOCK OUTLET.
- MULTI-OUTLET SURFACE RACEWAY WITH NEMA 5-20R, 20A, 125V AT 12" (304) ON CENTER.
- J JUNCTION BOX.
- POWER/TELEPHONE/DATA POLE (FOR MODULAR FURNITURE).
- FLOOR TELEPHONE OUTLET FLUSH MOUNTED.
- FLOOR DATA OUTLET FLUSH MOUNTED.
- FLOOR RECEPTACLE/TELEPHONE OUTLET FLUSH MOUNTED.
- FLOOR DATA/TELEPHONE OUTLET FLUSH MOUNTED.
- $_{P}$ TELEPHONE OUTLET "P" DENOTES PAY/PUBLIC TELEPHONE.
- DATA OUTLET.
- TELEPHONE & DATA OUTLET.

CIRCUITING AND WIRING

- CIRCUIT CONCEALED IN WALL OR CEILING.
- CIRCUIT BELOW SLAB OR GRADE.
- U/G UNDERGROUND CIRCUIT/DUCTBANK.
- HASH MARKS INDICATE NUMBER OF CONDUCTORS (LEFT TO RIGHT: NEUTRAL/PHASE/SWITCH LEG/GROUND). NO HASH MARKS INDICATE 2#12 AND 1#12 GROUND, UNLESS OTHERWISE NOTED.
- HOMERUN TO PANEL WITH CIRCUIT NUMBER(S) AS INDICATED.
- CONDUIT STUB UP.
- CONDUIT STUB DOWN.

ELECTRICAL EQUIPMENT

- DISTRIBUTION PANEL.
- SWITCHBOARD OR MOTOR CONTROL CENTER ON HOUSEKEEPING PAD.
- 120/208V, 3PH, 4W PANELBOARD (FLUSH OR SURFACE MOUNT) AS INDICATED ON PANEL SCHEDULE.
- 277/480V, 3PH, 4W PANELBOARD (FLUSH OR SURFACE MOUNT) AS INDICATED ON PANEL SCHEDULE.
- T DRY-TYPE TRANSFORMER.
- ATS AUTOMATIC TRANSFER SWITCH.
- PLYWOOD TERMINAL BOARD, TYPE AS NOTED, 4' x 8' x 3/4" (1219 x 2438 x 19) UNLESS OTHERWISE NOTED.
- TERMINAL CABINET, TYPE AS NOTED 24" x 48" x 3½" (609 x 1219 x 89) UNLESS OTHERWISE NOTED.

MOTOR AND CONTROLS

- SINGLE OR THREE PHASE MOTOR.(NUMBER INSIDE SYMBOL CAN INDICATE HORSEPOWER)
- DISCONNECT (SAFETY) SWITCH "200/3" DENOTES AMPERES/POLES.
- FUSED DISCONNECT (SAFETY) SWITCH "200/3/150" DENOTES AMPERES/POLES/FUSE WHEN FUSE SIZE IS OMITTED, CONTRACTOR SHALL COORDINATE FUSE SIZE AT FIELD FOLLOWING EQUIPMENT MANUFACTURER'S RECOMMENDATIONS.
- MOTOR STARTER, VOLTS, ENCLOSURE & NEMA SIZE AS NOTED, H-O-A SWITCH & PILOT LIGHT ON COVER, PROVIDE CONTROL TRANSFORMER AS REQUIRED FOR 120V COIL VOLTAGE.
- COMBINATION DISCONNECT (SAFETY) SWITCH AND MOTOR STARTER, "30/15/3/1" DENOTES AMPERES/FUSE(OR BREAKER)/ POLES/NEMA STARTER SIZE, "NF" DENOTES NON-FUSED, H-O-A SWITCH & PILOT LIGHT ON COVER. PROVIDE CONTROL TRANSFORMER AS REQUIRED FOR 120V COIL VOLTAGE.
- MANUAL MOTOR STARTER WITH THERMAL OVERLOAD.
- C LIGHTING CONTACTOR, VOLTS. & AMPS. AS SHOWN, NEMA TYPE ENCLOSURE AS INDICATED.
- PC PHOTOCELL.
- PUSH BUTTON STATION.
- TC TIME CLOCK.

ONE LINE AND RISER DIAGRAMS

- TRANSFORMER, DESIGNATION AND RATINGS AS NOTED.
- SWITCH, RATINGS AS SHOWN, 3 POLE UNLESS OTHERWISE NOTED.
- FUSE, RATING AS SHOWN.
- CIRCUIT BREAKER, TRIP RATING AS SHOWN, 3 POLE UNLESS OTHERWISE NOTED.
- DRAWOUT CIRCUIT BREAKER, TRIP RATING AS SHOWN, 3 POLE UNLESS OTHERWISE NOTED.
- ST SHUNT TRIP.
- GFR GROUND FAULT RELAY.
- M WATT-HOUR METER, "D" DENOTES DEMAND REGISTER "15" DENOTES MINUTES OF DEMAND INTERVAL.
- CT CURRENT TRANSFORMER(CT), RATED AS SHOWN.
- GROUND CONNECTION.
- LIGHTNING ARRESTOR.
- AUTOMATIC TRANSFER SWITCH.

AUDIO/VIDEO

- S CEILING MOUNTED PUBLIC ADDRESS SPEAKER.
- S WALL MOUNTED PUBLIC ADDRESS SPEAKER.
- VOLUME CONTROL, FLUSH IN WALL WITH SPEAKER.

MISCELLANEOUS

- 1 DRAWING NOTE REFERENCE.(NOTES BY SYMBOL)
- T THERMOSTAT.

SECURITY

- K KEY PAD.
- M MAGNETIC DOOR CONTACTS.(OD-OVERHEAD DOOR)
- MD CEILING MOUNTED MOTION DETECTOR.
- MD WALL MOUNTED MOTION DETECTOR.
- CCTV CAMERA.
- S ACCESS SECURE SWITCH.
- KH KITCHEN HOOD.
- B DOOR BELL.
- B DOOR BELL/BUZZER.

MOUNTING HEIGHTS (UNLESS OTHERWISE NOTED)

1-WALL SWITCHES - 48"(1219) A.F.F. TO CENTER OF SWITCH.

2-WALL RECEPTACLES - 18"(457) AF.F. TO CENTER OF RECEPTACLE.

3-WALL TELEPHONE/DATA OUTLETS - 18"(457) A.F.F. TO CENTER OF RECEPTACLE.

4-PUBLIC TELEPHONE - 54"(1371) A.F.F. TO CENTER OF OUTLET.

5-CLOCK OUTLET - 84"(2133) A.F.F. TO CENTER OF OUTLET.

6-FIRE ALARM PULL STATION - 48"(1219) A.F.F. TO CENTER OF STATION.

7-FIRE ALARM HORN OR BELL - 80"(2032) A.F.F. TO CENTER OF HORN OR BELL.

SPECIAL NOTES: (FOR PROJECTS WITH 1 MILE FROM SEASHORE)

1-ALL ELECTRICAL EQUIPMENT ENCLOSURES(NOT LUMA RELATED) LOCATED OUTDOORS SHALL BE STAINLESS STEEL OR APPROVED NON METALLIC.

2-UNIT STRUT CHANNELS SHALL BE ALUMINUM OR FIBERGLASS.

3-CONDUIT STRAPS SHALL BE ALUMINUM OR NON METALLIC.

4-ALL EQUIPMENT OR HANGER HARDWARE SHALL BE STAINLESS STEEL OR ALUMINUM.

5-DISSIMILAR METALS SHALL BE SEPARATED BY DIELECTRIC GASKET.

6-EXPOSED CONDUITS SHALL BE PVC SCHEDULE 40 OR RIGID STEEL GALVANIZED PAINTED.

7-POLE RISERS SHALL BE PVC SCHEDULE 80.

8-SUBSTATION TRANSCLOSURE, TRANSFORMER TANKS & LUMA EQUIPMENT CABINETS SHALL BE STAINLESS STEEL AS PER LUMA'S SPECIFICATIONS.

9-METER BANKS SHALL BE OF ALUMINUM OR STAINLESS STEEL CONSTRUCTION.

10-OUTDOOR H.V. CABLE TERMINATIONS SHALL BE 25KV RATED.

11-SUBSTATION LOUVER WINDOWS SHALL BE STAINLESS STEEL.

FIRE ALARM LEGEND:

- SD IONIZATION TYPE CEILING MOUNTED SMOKE DETECTOR.
- SD IONIZATION TYPE WALL MOUNTED SMOKE DETECTOR. INSTALL SO THAT TOP OF DETECTOR IS NOT MORE THAN 12"(304) AND NOT LESS THAN 4"(101) FROM CEILING.
- SD$_{H}$ SAME AS ABOVE, BUT 120V.
- HD HEAT DETECTOR CEILING MOUNTED, FIXED TYPE.
- F PULL STATION. WALL MOUNTED, 4'-0"(1219) A.F.F. PROVIDE AT LEAST ONE PULL STATION PER FLOOR, ADD PULL STATIONS AS REQUIRED SO THAT MAXIMUM TRAVEL DISTANCE TO NEAREST STATION DOES NOT EXCEED 200 FT.(60.96m.)
- G COMBINATION FIRE ALARM HORN AND STROBE LIGHT, WALL MOUNTED. MOUNT HEIGHT SHALL BE NOT LESS THAN 80"(2032) AND NO GREATER THAN 96"(2438).
- G CEILING MOUNTED COMBINATION FIRE ALARM HORN AND STROBE LIGHT. CEILING MOUNTED UNITS SHALL BE INSTALLED AS PER NFPA 72 TABLE 6-4.4.1(b)
- ST WALL MOUNTED STROBE LIGHT, MOUNT AT NO LESS THAN 80"(2032) AND NO GREATER THAN 96"(2438) ABOVE FINISHED FLOOR.
- ST CEILING MOUNTED STROBE. INSTALL AS PER NFPA 72 TABLE 6-4.4.1(b)
- FAP FIRE ALARM STAND ALONE CONTROL PANEL SEMI-FLUSH MOUNTED ADDRESSABLE TYPE, MODULAR DESIGN WITH ENOUGH CAPACITY TO SUPPORT DEVICES INDICATED, UNIT SHALL BE MICROPROCESSOR BASED, PRE-CONFIGURED, MODULAR DESIGN WITH INTELLIGENT INITIATING CIRCUITS TO SUPPORT SHOWN DEVICES. PROVIDE CABINET ROOM FOR SYSTEMS BATTERIES, BATTERIES AND BATTERY CHARGER.

FIRE ALARM NOTES:

1-WIRING SHALL BE AS RECOMMENDED BY SYSTEM'S MANUFACTURER.

2-COORDINATE FINAL CONDUIT SIZES WITH SYSTEM MANUFACTURER.

3-FINAL LOCATIONS OF DEVICES SHALL BE COORDINATED WITH ARCHITECTURAL FINISHES AND NFPA-72 REQUIREMENTS, THE LATTER TO PREVAIL IN CASE OF DISCREPANCIES.

4-LOUDSPEAKERS AND THEIR ENCLOSURES SHALL BE LISTED FOR VOICE/ALARM SIGNALING SERVICES.

5-EACH ELEVATOR CAR SHALL BE EQUIPPED WITH A SINGLE LOUDSPEAKER. PROVIDE AN ELEVATOR PAGING ZONE TO SERVE THE ELEVATOR GROUP.

6-PROVIDE SEPARATE ZONES TO SERVE STAIRWAY SPEAKERS. PROVIDE SPEAKERS IN ALL ENCLOSED STAIRWAYS EXCEEDING TWO STORES IN HEIGHT.

7-PROVIDE SEPARATE ZONES TO SERVE ELEVATOR LOBBY SMOKE DETECTORS. CONNECT THESE SMOKE DETECTORS TO FAP AND ELEVATOR RECALL PANEL.

8-VISIBLE APPLIANCES SHALL BE LOCATED NO MORE THAN 15 FT.(4572) FROM THE END OF THE CORRIDOR WITH A SEPARATION NO GREATER THAN 100 FEET(30.48m.) BETWEEN APPLIANCES.

9-FIRE ALARM SYSTEM SHALL COMPLY WITH NFPA 101, NFPA 72 AND DEPT. DE BOMBEROS DE P.R. REQUIREMENTS. IN CASE OF DISCREPANCY THE STRINGEST CODE WILL APPLY.

GENERAL NOTES:

1-EMT CONDUIT SHALL BE USED EXCEPT WHERE NOT ALLOWED BY N.E.C. OR UNLESS OTHERWISE INDICATED, 3/4"(19) IPS MINIMUM SIZE.

2-EMT FITTINGS SHALL BE CONCRETE TIGHT.

3-ALL CONDUCTORS SHALL BE COPPER, STRANDED, THHN INSULATED #12 AWG MINIMUM SIZE, UNLESS OTHERWISE NOTED.

4-WIRING DEVICES AND PLATES SHALL BE IVORY COLORED, SPECIFICATION GRADE.

5-ELECTRICAL INSTALLATION SHALL BE DONE IN STRICT ACCORDANCE WITH N.E.C. AND LUMA REGULATIONS, LATEST EDITION.

6-INSTALLATION DETAILS ARE ILLUSTRATIVE AND SHOULD NOT BE USED WITHOUT VERIFYING JOB SITE CONDITIONS, CONTRACTOR SHALL SUBMIT SHOP DRAWINGS SHOWING ANY DEVIATION THEREFROM.

7-DIMENSIONS 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.

8-ALL CONVENIENCE RECEPTACLES SHALL HAVE A #12 GREEN JUMPER BETWEEN RECEPTACLE GROUNDING SCREW AND THE OUTLET BOX GROUNDING SCREW.

9-CONNECTIONS IN WIREWAYS SHALL BE MADE BY USE OF CABLE CONNECTION BLOCKS EQUAL OR SIMILAR TO "KEYTAP" AS MANUFACTURED BY KEYSTONE MFG. CORP.

10-RACEWAY SHALL BE PROVIDED WITH APPROVED EXPANSION FITTINGS WHERE CROSSINGS BUILDING EXPANSION JOINT.

11-ELECTRICAL CONTRACTOR SHALL PROVIDE POWER & CONNECT ALL EQUIPMENT FURNISHED UNDER OTHER SECTION OF THE SPECIFICATIONS. FINAL CONNECTION SHALL BE DONE UNDER THE SUPERVISION OF THE RESPECTIVE CONTRACTORS.

12-CONTRACTOR MUST SUPPORT ALL RECESSED FIXTURES INDEPENDENTLY FROM HUNG CEILING SUPPORT.

13-ANY UNDERGROUND CONDUIT FOR SECONDARY FEEDER SHALL BE BURIED AT A MINIMUM DEPTH OF 36"(914) BELOW FINISHED GRADE, UNLESS COVERED BY 4"(101) CONCRETE ENVELOPE IN WHICH CASE MINIMUM DEPTH SHALL BE 18"(457) BELOW FINISHED GRADE.

14-IN CASE OF SUBSTATION WITH PRIMARY METERING, A 3/4"(19) PVC SCHEDULE 40 EMPTY CONDUIT SHALL BE INSTALLED BETWEEN PRIMARY METER COMPARMENT AND MAIN TELEPHONE CABINET.

15-LAUNDRY RECEPTACLES SHALL BE INSTALLED 6"(152) ABOVE WATER FAUCETS SERVING WASHER.

ABBREVIATIONS: (ALL ABBREVIATIONS SHOWN ARE NOT NECESSARILY USED ON THE DRAWINGS)

A

A/C	AIR CONDITIONING
AC	ALTERNATING CURRENT
ACCU	AIR COOLED CONDENSING UNIT
AF	AMPERE FUSE
AFC	ABOVE FINISHED CEILING
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AIC	AMPERE INTERRUPTING CURRENT
AMPS	AMPERES
ANSI	AMERICA NATIONAL STANDARDS INSTITUTE
ARCH	ARCHITECT, ARCHITECTURAL
AUX	AUXILIARY

B

BFF	BELOW FINISHED FLOOR
BKR	BREAKER
BLDG	BUILDING

C

C	CONDUIT
CATV	CABLE TELEVISION SYSTEM
CCTV	CLOSED CIRCUIT TELEVISION SYSTEM
CKT	CIRCUIT
℄	CENTER LINE
CU	COPPER
CT	CURRENT TRANSFORMER

D

D	DEPTH
dB	DECIBEL
DC	DIRECT CURRENT
DEG	DEGREES
DIA	DIAMETER
DISC	DISCONNECT
DN	DOWN
DPDT	DOUBLE-POLE, DOUBLE-THROW
DPST	DOUBLE-POLE, SINGLE-THROW
DWG	DRAWING

E

EA	EACH
EF	EXHAUST FAN
ELEC	ELECTRICAL
ENCL	ENCLOSURE
EQUIP	EQUIPMENT
EXH	EXHAUST
(E)	EXISTING
EMT	ELECTRICAL METALLIC TUBING

F

FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FLA	FULL LOAD AMPS
FLEX	FLEXIBLE
FT	FOOT, FEET
FVNR	FULL-VOLTAGE, NON-REVERSING

G

G,GND	GROUND
GA	GAUGE
GAL	GALLON
GFI	GROUND FAULT INTERRUPTER
GFR	GROUND FAULT RELAY

H

H	HEIGHT
HID	HIGH INTENSITY DISCHARGE
HOA	HAND-OFF-AUTOMATIC
HP	HORSEPOWER
HZ	HERTZ
HV	HIGH VOLTAGES

I

ID	INSIDE DIAMETER
IG	ISOLATED GROUND

J

J-B	JUNCTION BOX

K

KCMIL	1000 CIRCULAR MILS
KV	KILOVOLT
KVA	KILOVOLT-AMPS
KW	KILOWATT
KWH	KILOWATT-HOUR

L

LRA	LOCKED ROTOR AMPS
LTG	LIGHTING

M

MAX	MAXIMUM
MCA	MINIMUM CIRCUIT AMPACITY
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MD	MOTORIZED DAMPER
MECH	MECHANICAL
MFGR	MANUFACTURER
MH	MANHOLE, METAL HALIDE
MIN	MINIMUM
MLO	MAIN LUGS ONLY
MTD	MOUNTED

N

N/A	NOT APPLICABLE
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NTS	NOT TO SCALE

O

OD	OUTSIDE DIAMETER
OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION

P

PF	POWER FACTOR
PH	PHASE
PNL	PANEL
PVC	POLYVINYL CHLORIDE

Q

QTY	QUANTITY

R

REQD	REQUIRED
REV	REVISION, REVISE
RGS	RIGID GALVANIZED STEEL
RLA	RUNNING LOAD AMPS
RM	ROOM

S

SD	SMOKE DAMPER
SECT	SECTION
SHT	SHEET
SIM	SIMILAR
SPEC	SPECIFICATION
SQ	SQUARE
SS	STAINLESS STEEL
STD	STANDARD
STL	STEEL
SURF	SURFACE
SUSP	SUSPEND

T

TC	TIME CLOCK
TYP	TYPICAL

U

U/F	UNDERFLOOR
U/G	UNDERGROUND
U/S	UNDERSLAB
UL	UNDERWRITERS LABORATORIES, INC.
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY

V

V	VOLT
VA	VOLT-AMPERE

W

W	WATT
W/	WITH
W/O	WITHOUT
WP	WEATHER PROOF
WT	WATERTIGHT, WEIGHT

X

XFMR	TRANSFORMER

DESIGNER'S CERTIFICATION

1. I certify that I am a licensed and registered engineer, surveyor, or architect (in compliance with Act 173 of 1988, as amended) and authorized by the project or land owner to submit these construction plans to LUMA Energy as operator and administrator of the Transmission and Distribution System of the Puerto Rico Electric Power Authority.

2. In compliance with Act No. 135 of July 15, 1967, as amended known as the "Construction Plans of Projects Certification Act", I certify that I prepared the electric design for this project in accordance with the codes, Standards, rules, and regulations approved by LUMA, Puerto Rico Planning Board and Permits Management Office and the CIAPR Professional Practice Manual.

DESIGNER'S SIGNATURE

ENDORSEMENT

PROJECT NAME: _____

PROJECT NUMBER: _____

LOAD(KVA): 75KVA REVISION: _____

ENDORSED BY

JRR — LUMA P. REQUENA & ASOCIADOS — INGENIEROS CSP

designed: Ing. A. Calzada lic.: 15089

drawn by: M. Ayala lic.: 3957

This drawing is not authorized to be released for contract until fully approved by Architect, Owner and all corresponding Government Agencies including LUMA and J.R.T.P.R.

1. LUMA Endorses the electric design shown in these construction plans based on the certification presented by the designer in compliance with Act 135 of July 15, 1967, as amended.

2. LUMA does no assume responsibility over the certified design. LUMA's endorsement does not relieve the designer from professional responsibility assumed with certification of these project's plans. This endorsement relieves neither the builder nor private inspector from compliance with standing dispositions form: National Electric Safety Code; constructions standards, norms, and regulations from LUMA and other goverment agencies as well as federal and state laws ruling by the time construction begins.

3. This endorsement is valid for one (1) year. If electrical works have begun during this year, with prior notification to LUMA, the endorsement will still be valid until work's completion. In case there is no certified electrical work during this period, this endorsement will lose its validity. This endorsement is not to constitute and easement or to complete the Assignment, Transfer and Guarantee process of the equipment. For this, it is necessary to comply with all provisions of the Easements Regulation for the Electric Power Authority (7282 of 2007).

OWNER

Gurabo — CIUDAD DE LAS ESCALERAS

PROPONENT

BR&A LLC — PROJECT MANAGEMENT • ENGINEERING • DESIGN

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info@advfirm.com

SEAL

YO, ARNALDO CALZADA, UC. 15089, CERTIFICO QUE SOY EL PROFESIONAL QUE CONFECCIONÓ Y/O DISEÑÓ Y/O PREPARÓ ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS, TAMBIÉN CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE 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 NÚM. 14 DEL 8 DE ENERO DE 2004, SEGÚN ENMENDADA, CONOCIDA COMO LEY PARA LA INVERSIÓN POR LA INDUSTRIA PUERTORRIQUEÑA Y CON LA LEY NÚM. 319 DEL 15 MAYO DE 1938 , SEGÚN ENMENDADA. LEY NÚM. 96 DEL 6 DE JULIO DE 1978, SEGÚN ENMENDADA. SEGÚN APLIQUEI, RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIONES DE LOS HECHOS QUE SE HAYA PRODUCIDO POR DESCONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MI, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DESCIPLINARIA POR LA OOPE.

PROJECT INFORMATION

REHABILITATION OF GURABO PUBLIC PLAZA GURABO, PUERTO RICO

REVISIONS

NO.	DESCRIPTION	DATE
A	90% CONSTRUCTION DOCUMENTS	2024.01.25

DATE ISSUED:	
REVIEWED BY:	EAS, MA
DRAWN BY:	EAZ
DESIGNED BY:	EAS, MA
PROJECT NUMBER:	22030

SHEET TITLE

LEGEND & NOTES

SHEET ID

ES-400

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PR-CRP-000559 90% DESIGNS

PR-CRP-000559
SIDEWALK IMPROVEMENTS
AROUND "PLAZA DE LOS PROCERES"

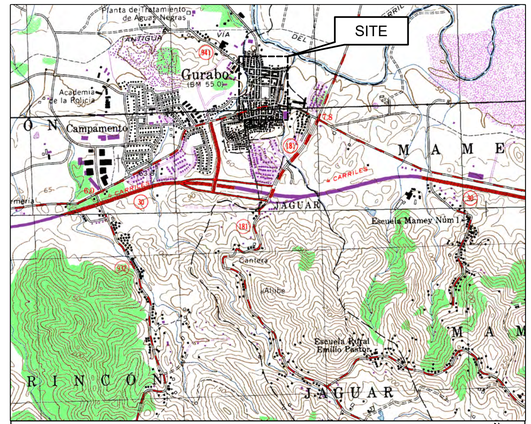
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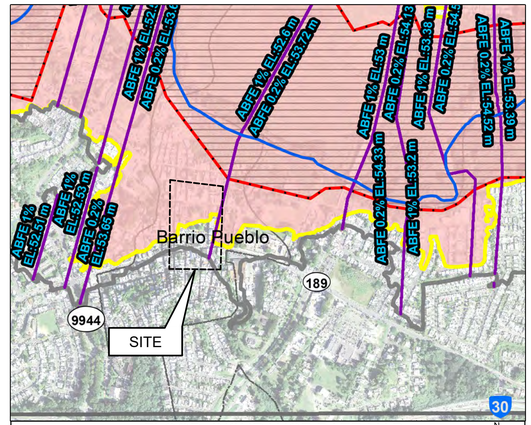
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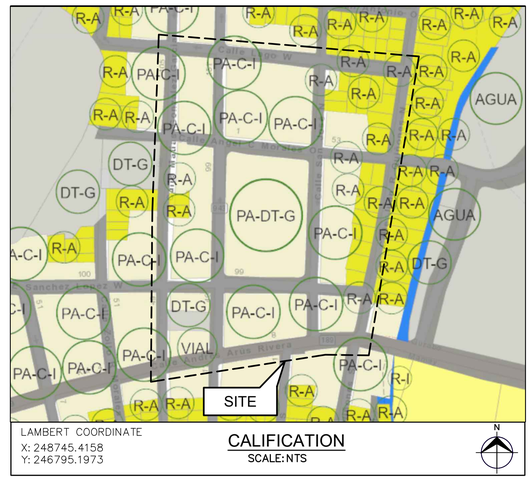
90% DESIGN DRAWINGS-REVISED

INDEX

SHEET	DESCRIPTION:
GENERAL PLANS	
T000	TITTLE SHEET INDEX, LOCATION MAP, FLOOD MAP & CALIFICATION
C001	GENERAL SITE PLAN
C002	TYPICAL SECTIONS
CIVIL PLANS	
D100 – D105	EXISTING CONDITIONS AND DEMOLITION PLAN
C200 – C205	LAYOUT PLAN
C480 – C485	EROSION AND SEDIMENTATION CONTROL PLAN
C490	EROSION AND SEDIMENTATION CONTROL DETAILS
C700 – C703	TYPICAL SECTIONS AND DETAILS
MOT1	MAINTENANCE OF TRAFFIC LEGEND AND NOTES
MOT2 – MOT3	MAINTENANCE OF TRAFFIC TYPICAL APPLICATIONS
MOT4	MAINTENANCE OF TRAFFIC DETOUR PLAN
MOT5	MOT–CONSTRUCTION SEQUENCE PLAN
MOT6 –MOT7	MAINTENANCE OF TRAFFIC CONSTRUCTION SIGNS TABLE







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SEAL

YO, LUZ M. RODRIGUEZ TORRES, LIC. 17504, CERTIFICO QUE SOY EL PROFESIONAL QUE CONFECCIONÓ Y/O DISEÑÓ Y/O PREPARÓ ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIÉN CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE 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 NÚM. 14 DEL 8 DE ENERO DE 2004, SEGÚN ENMENDADA, CONOCIDA COMO LEY PARA LA INVERCIÓN POR LA INDUSTRIA PUERTORRIQUEÑA Y CON LA (LEY NÚM. 319 DEL 15 MAYO DE 1938 , SEGÚN ENMENDADA; LEY NÚM. 96 DEL 6 DE JULIO DE 1978, SEGÚN ENMENDADA; SEGÚN APLIQUE). RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIONES DE LOS HECHOS QUE SE HAYA PRODUCIDO POR DESCONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MÍ, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR LA OGPE.

PROJECT INFORMATION

PR-CRP-000559
SIDEWALK IMPROVEMENTS
AROUND "PLAZA DE LOS PROCERES"

GURABO PUERTO RICO

REVISIONS

NO.	DESCRIPTION	DATE
a	30% DESIGN DRAWINGS	03/01/23
b	60% DESIGN DRAWINGS	03/23/23
c	90% DESIGN DRAWINGS	06/15/23
d	90% REV DESIGN DRAWINGS	01/25/24

DATE ISSUED:	12/22/22
REVIEWED BY:	LMR
DRAWN BY:	AMC
DESIGNED BY:	LMR
BRA PROJECT NUMBER:	22023

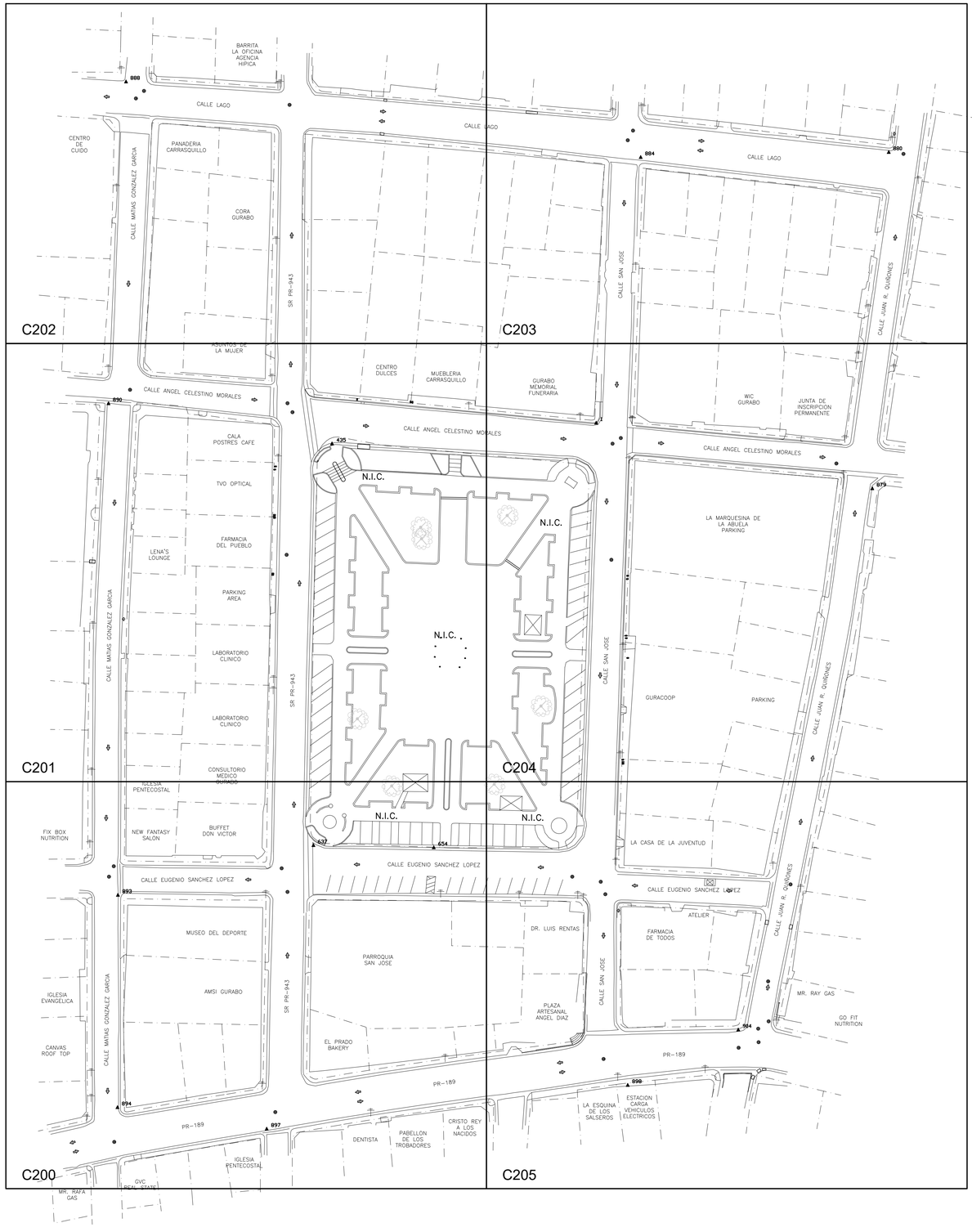
SHEET TITLE

TITLE SHEET, INDEX, LOCATION PLAN, FLOOD MAP & CALIFICATION

SHEET ID

T000

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N

GENERAL SITE PLAN
SCALE: 1:500

5 0 5 10 15 20
SCALE: 1:500

LEGEND:

N.I.C. NOT IN CONTRACT

NOTE:

1. TOPOGRAPHIC AND SURVEY PLAN FOR THIS PROJECT (KEY PLAN, EXISTING SITE CONDITIONS) WAS PREPARED BY LIC SURVEYOR RAFAEL A. POZO MONTAS (LIC # 10028), DATED JANUARY 9, 2023.

SURVEY NOTES:

1. ALL DISTANCES ARE EXPRESSED IN METERS, UNLESS OTHERWISE NOTED.
2. FIELDWORK PERFORMED ON DECEMBER, 2022.
3. HORIZONTAL AND VERTICAL CONTROL SYSTEM IS REFERRED TO THE PUERTO RICO STATE PLANE COORDINATE SYSTEM: NAD 83 (CONUS) (Mol) LOCAL DATUM EPOCH 2010 WITH THE GEOID 18 (PUERTO RICO) FIXED (G18PR) GEOID MODEL.
4. THE SURVEYING WAS MADE WITH A R8 GPS UNIT, TOTAL STATION LEICA TS09 PLUS, TRIMBLE JUNO 3D AND TSC5 DATA COLLECTOR.
5. THE CONTRACTOR IS RESPONSIBLE TO VERIFY ALL FIELD CONDITIONS AND MEASUREMENTS ON PLANS. IF ANY DISCREPANCIES ARE FOUND CONTRACTOR MUST NOTIFY THE SURVEYOR, ENGINEER, ARCHITECT OR OWNER BEFORE CONTINUING ANY WORK.
6. UNDERGROUND UTILITIES WERE LOCATED BASED ON ABOVE GROUND EVIDENCE. CONTRACTOR MUST NOTIFY ALL UTILITY COMPANIES PRIOR TO THE BEGINNING OF ANY JOB.

OWNER

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PROJECT INFORMATION

PR-CRP-000559
SIDEWALK IMPROVEMENTS AROUND "PLAZA DE LOS PROCERES"

GURABO PUERTO RICO

REVISIONS

NO.	DESCRIPTION	DATE
a	30% DESIGN DRAWINGS	03/01/23
b	60% DESIGN DRAWINGS	03/23/23
c	90% DESIGN DRAWINGS	06/15/23
d	90% REV DESIGN DRAWINGS	01/25/24

DATE ISSUED:	02/22/23
REVIEWED BY:	LMR
DRAWN BY:	AMC
DESIGNED BY:	LMR
BRA PROJECT NUMBER:	22023

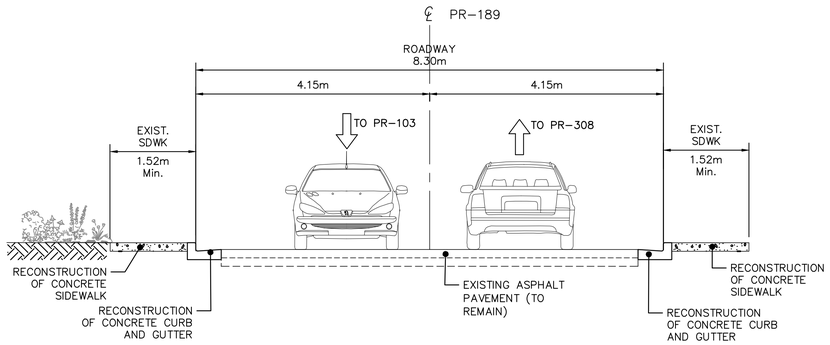
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GENERAL SITE PLAN

SHEET ID

C001

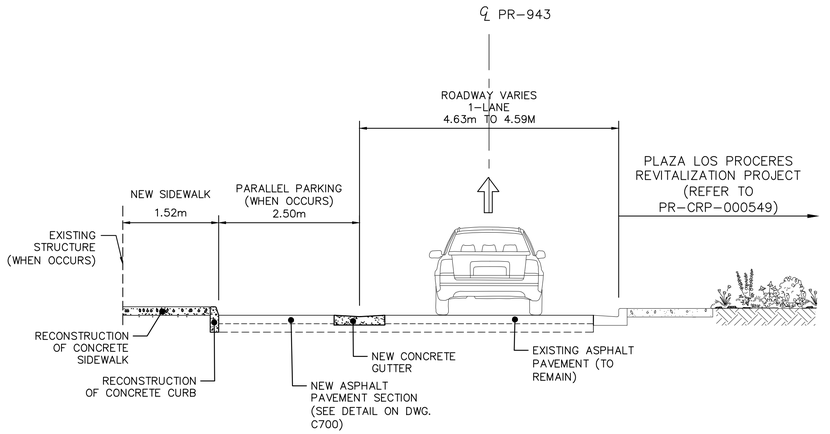
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TYPICAL SECTION

PR-189 (FROM INT. WITH CALLE MATAS GONZALEZ GARCIA ST. TO INT. WITH JUAN R. QUIÑONES ST.)

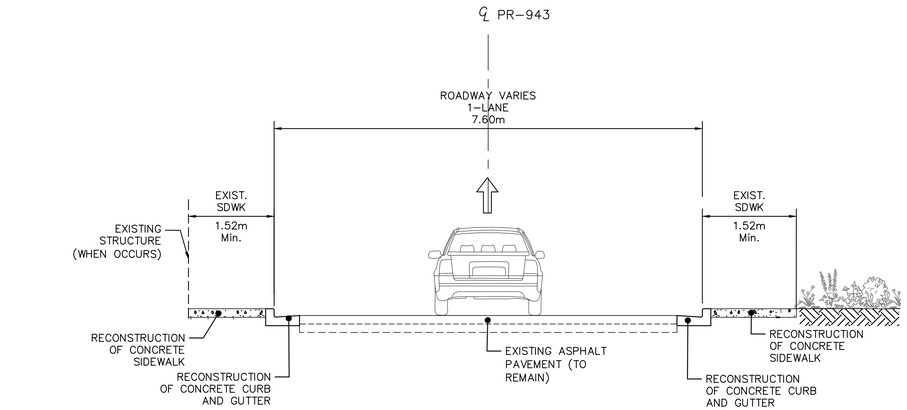
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TYPICAL SECTION

PR-943 (FROM INT. EUGENIO SANCHEZ LOPEZ ST. WITH ANGEL CELESTINO MORALES ST.) CASE 2

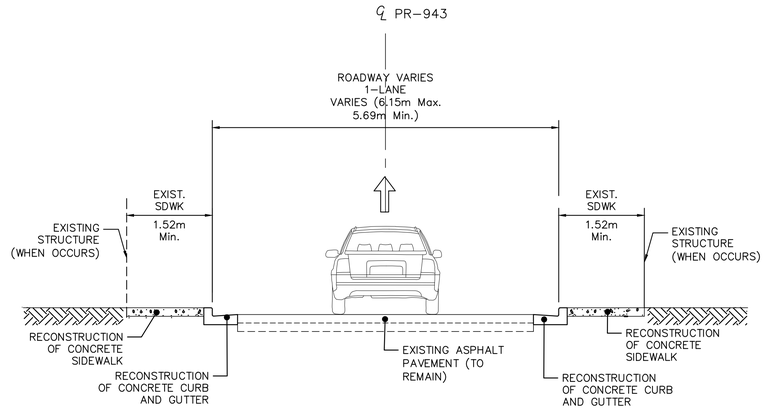
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TYPICAL SECTION

PR-943 (FROM INT. WITH PR-189 TO INT. WITH EUGENIO SANCHEZ LOPEZ ST.)

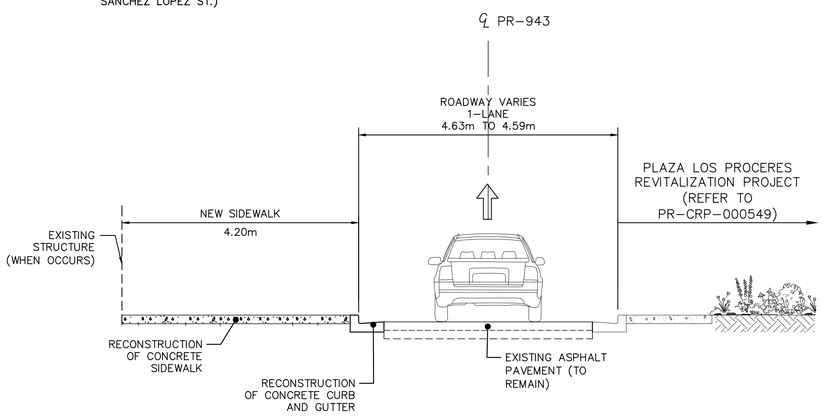
2 / C200



TYPICAL SECTION

PR-943 (FROM INT. WITH ANGEL CELESTINO ST. TO INT. WITH LAGO ST.)

5 / C202



TYPICAL SECTION

PR-943 (FROM INT. EUGENIO SANCHEZ LOPEZ ST. WITH ANGEL CELESTINO MORALES ST.) CASE 1

3 / C201

NOTES:

1. ALL DIMENSIONS AND ELEVATIONS ARE EXPRESSED IN METERS, UNLESS OTHERWISE NOTED.
2. REFER TO DWGS. C700-C703 FOR RECONSTRUCTION OF CONCRETE SIDEWALK, CURB AND GUTTER, HC RAMPS, ASPHALT PAVEMENT AND DETAILS.

GRAPHIC SCALE= 1:50

0 1 2 3 4

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PROJECT INFORMATION

PR-CRP-000559
SIDEWALK IMPROVEMENTS
AROUND "PLAZA DE LOS
PROCERES"

GURABO PUERTO RICO

REVISIONS

NO.	DESCRIPTION	DATE
a	30% DESIGN DRAWINGS	03/01/23
b	60% DESIGN DRAWINGS	03/23/23
c	90% DESIGN DRAWINGS	06/15/23
d	90% REV DESIGN DRAWINGS	01/25/24

DATE ISSUED:	05/20/23
REVIEWED BY:	LMR
DRAWN BY:	AMC
DESIGNED BY:	LMR
BRA PROJECT NUMBER:	22023

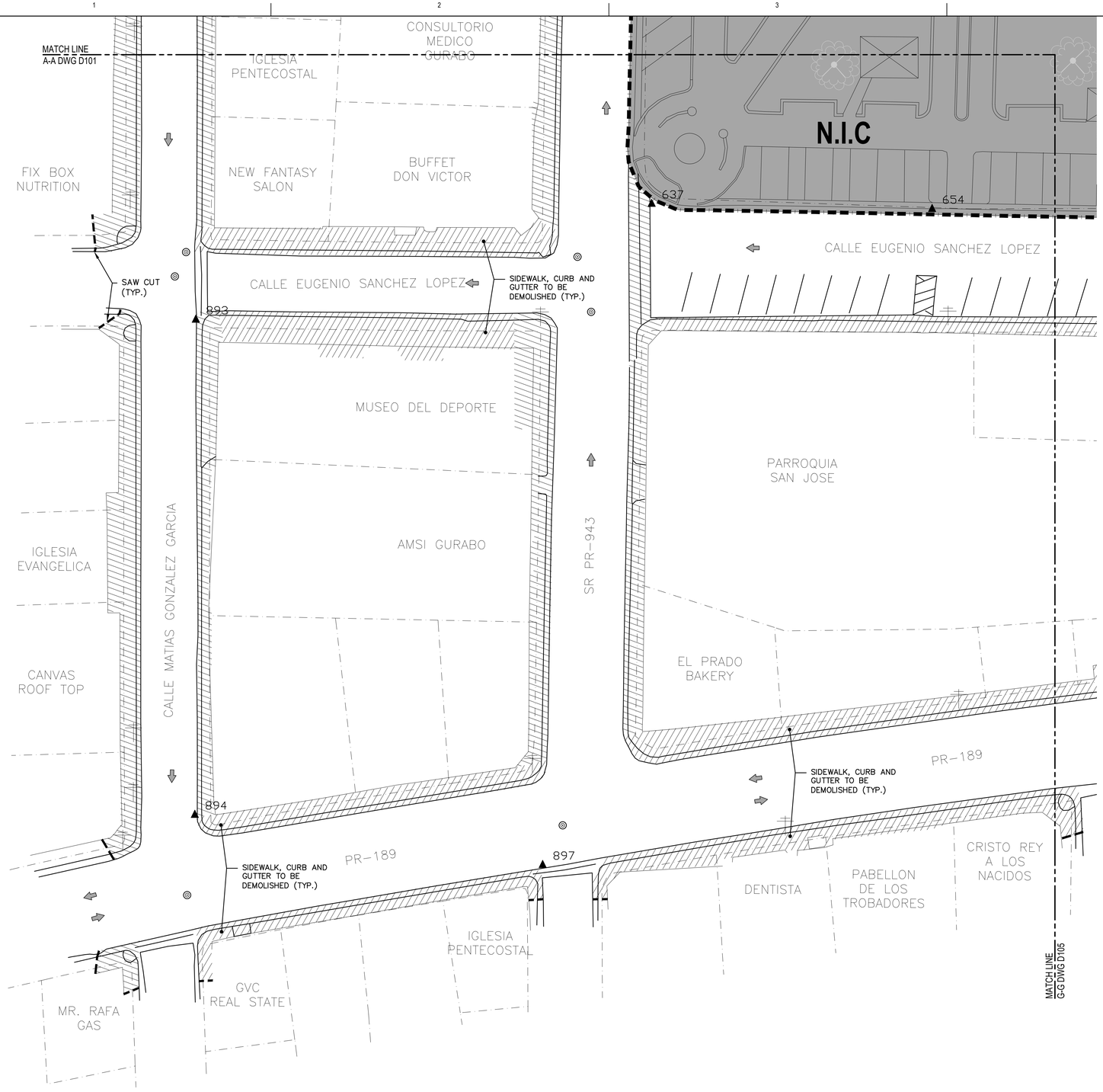
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TYPICAL SECTIONS

SHEET ID

C002

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N

EXISTING CONDITIONS AND DEMOLITION PLAN

SCALE: 1:200

CONTROL POINTS				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
435	246839.5561	248720.5010	50.2891	GCP
888	246918.2153	248675.7534	48.7744	GCP
884	246901.7874	248787.5402	49.5921	GCP
893	246741.5162	248673.9948	52.2445	GCP
894	246695.3891	248673.8997	55.7597	GCP
637	246752.3085	248716.4638	53.3981	GCP
897	246690.7198	248706.3086	56.2506	GCP

DEMO LEGEND:

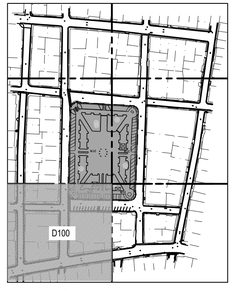
- SAW CUT
- SIDEWALK, CURB AND GUTTER TO BE DEMOLISHED.
- LIMIT OF N.I.C.
- **N.I.C** NOT IN CONTRACT

NOTES:

1. ALL DIMENSIONS AND ELEVATIONS ARE EXPRESSED IN METERS, UNLESS OTHERWISE NOTED.
2. CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF EXISTING UTILITIES. REFER TO DWG. CD100 FOR DEMOLITION OF UTILITIES.
3. FOR TOPOGRAPHIC AND SURVEY PLAN, REFER TO PLAN PREPARED BY LICENSED SURVEYOR RAFAEL A. POZO (LIC#10028), DATED JANUARY 9, 2023.
4. REFER TO MOT PLANS FOR CONSTRUCTION SEQUENCE.

LEGEND:

- Electric Pole
- Luminary Pole
- Electric and Luminary Pole
- Electric Pole with Transformer
- Electric and Luminary Pole with Transformer
- Communication Pole
- Electric and Communication Pole
- Pole Anchor
- E P Electric Pedestal
- EM Electrical Meter
- Electrical Manhole
- Electric Box
- Tree #.####Ø
- Kilometer Sign #.##
- TE:## Top Elevation
- Z: ###.## Spot Elevation
- Iron Rod
- Galvanized Pipe
- Guard Rail
- Property Limit (Acording to Owner)
- Overhead Power Line
- CRIM Polygon
- Chain Link Fence
- X Barbed Wire Fence
- Storm Water Manhole
- Storm Water Drainage
- Water Meter
- Water Valve
- Clean Out
- CWST Concrete_Water Storage Tank
- Hydrant
- Sanitary Manhole
- ST Septic Tank
- Sanitary Line (PVC 4"Ø)
- Sign
- SR Storage Room
- # Ground Control Point
- Zoom Box Limit
- Palm #.####Ø
- T Telephone Manhole
- U Unknown Manhole
- Wall
- Security/Camera Pole
- Air Valve
- Iron Rod



KEY MAP
NTS

2 0 5 10 15m

SCALE: 1:200

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PROJECT INFORMATION

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AROUND "PLAZA DE LOS
PROCERES"

GURABO PUERTO RICO

REVISIONS

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b	60% DESIGN DRAWINGS	03/23/23
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d	90% REV DESIGN DRAWINGS	01/25/24

DATE ISSUED:	02/22/23
REVIEWED BY:	LMR
DRAWN BY:	AMC
DESIGNED BY:	LMR
BRA PROJECT NUMBER:	22023

SHEET TITLE

EXISTING CONDITIONS AND DEMOLITION PLAN

SHEET ID

D100

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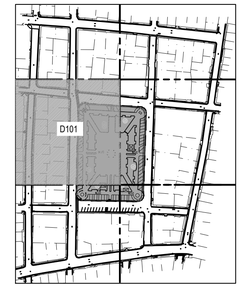
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EXISTING CONDITIONS AND DEMOLITION PLAN

SCALE: 1:200

NOTE:

1. REFER TO DWG. D100 FOR LEGEND AND NOTES.



KEY MAP
NTS

2 0 5 10 15m

SCALE: 1:200

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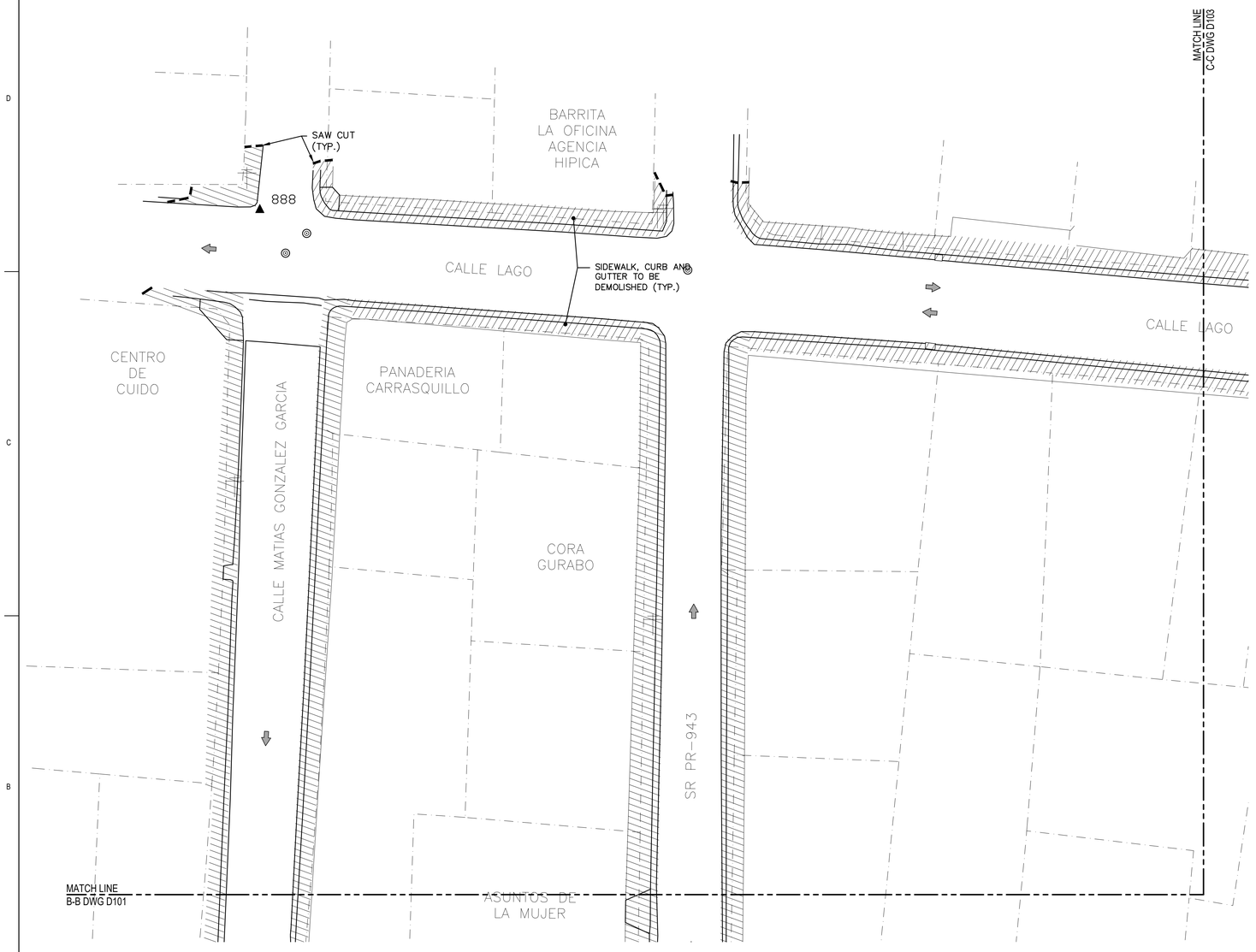
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EXISTING CONDITIONS AND DEMOLITION PLAN

SHEET ID

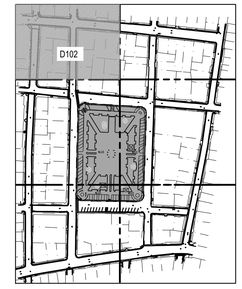
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NOTE:

1. REFER TO DWG. D100 FOR LEGEND AND NOTES.



KEY MAP
NTS

N

EXISTING CONDITIONS AND
DEMOLITION PLAN
SCALE: 1:200

2 0 5 10 15m

SCALE: 1:200

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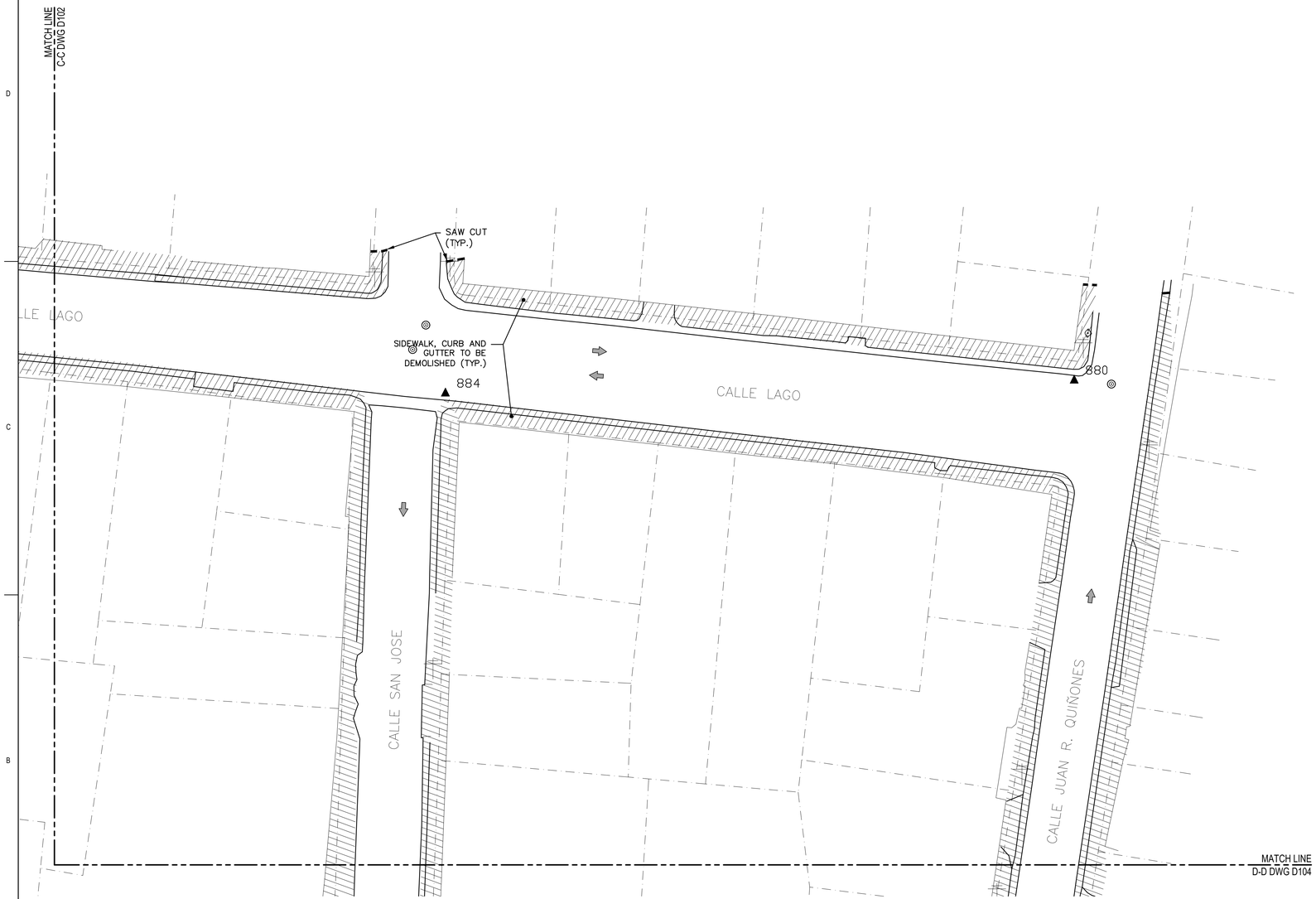
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EXISTING
CONDITIONS AND
DEMOLITION
PLAN

SHEET ID

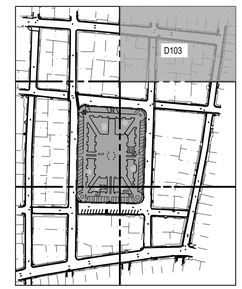
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NOTE:

1. REFER TO DWG. D100 FOR LEGEND AND NOTES.



KEY MAP
NTS

2 0 5 10 15m

SCALE: 1:200

N

EXISTING CONDITIONS AND DEMOLITION PLAN
SCALE: 1:200

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PROJECT INFORMATION

PR-CRP-000559
SIDEWALK IMPROVEMENTS
AROUND "PLAZA DE LOS
PROCERES"

GURABO PUERTO RICO

REVISIONS

NO.	DESCRIPTION	DATE
a	30% DESIGN DRAWINGS	03/01/23
b	60% DESIGN DRAWINGS	03/23/23
c	90% DESIGN DRAWINGS	06/15/23
d	90% REV DESIGN DRAWINGS	01/25/24

DATE ISSUED:	02/22/23
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DRAWN BY:	AMC
DESIGNED BY:	LMR
BRA PROJECT NUMBER:	22023

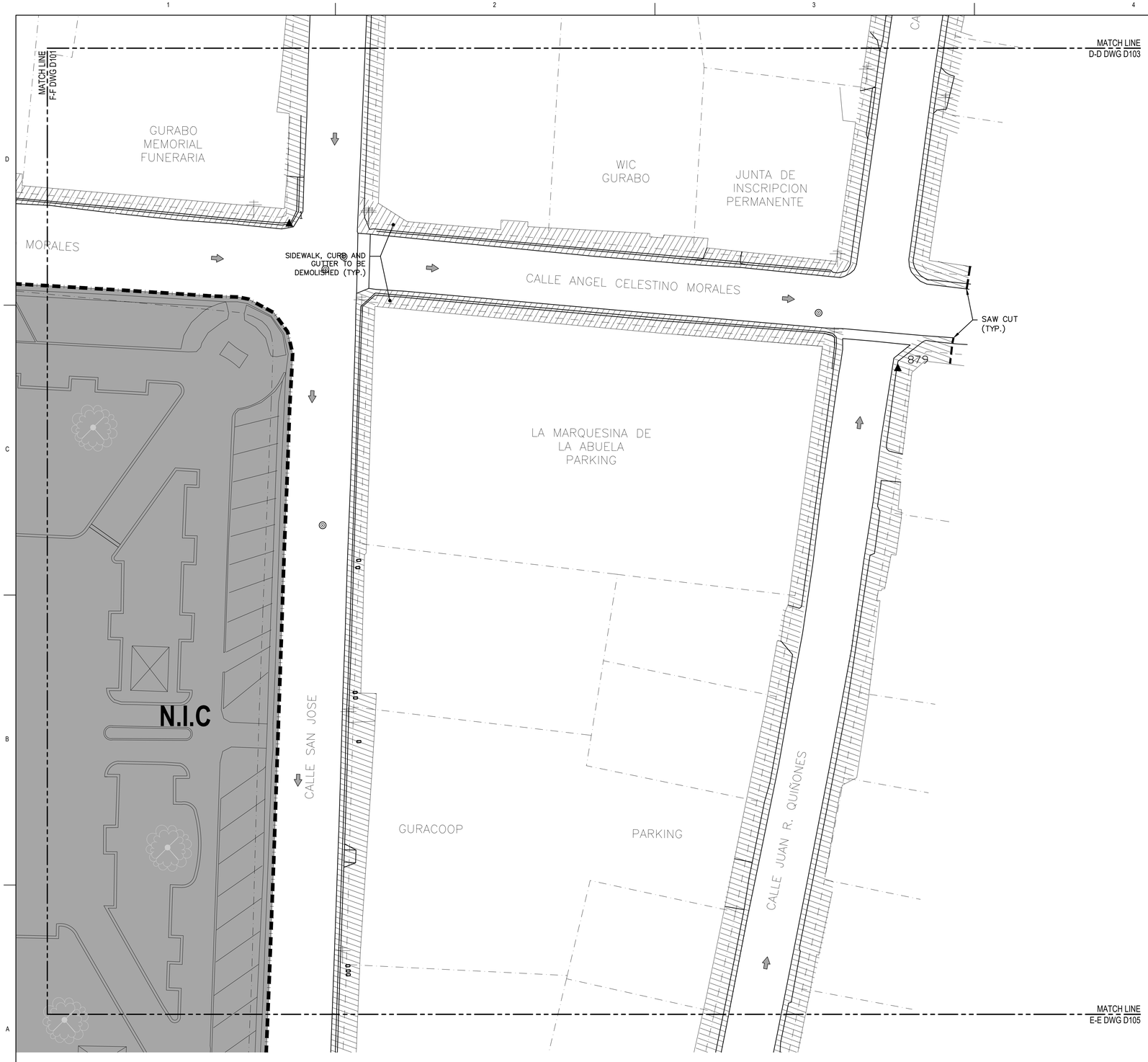
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EXISTING CONDITIONS AND DEMOLITION PLAN

SHEET ID

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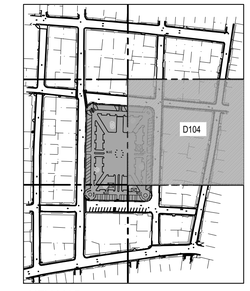


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EXISTING CONDITIONS AND
DEMOLITION PLAN
SCALE: 1:200

NOTE:

1. REFER TO DWG. D100 FOR LEGEND AND NOTES.



KEY MAP
NTS

2 0 5 10 15m

SCALE: 1:200

OWNER

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GURABO PUERTO RICO

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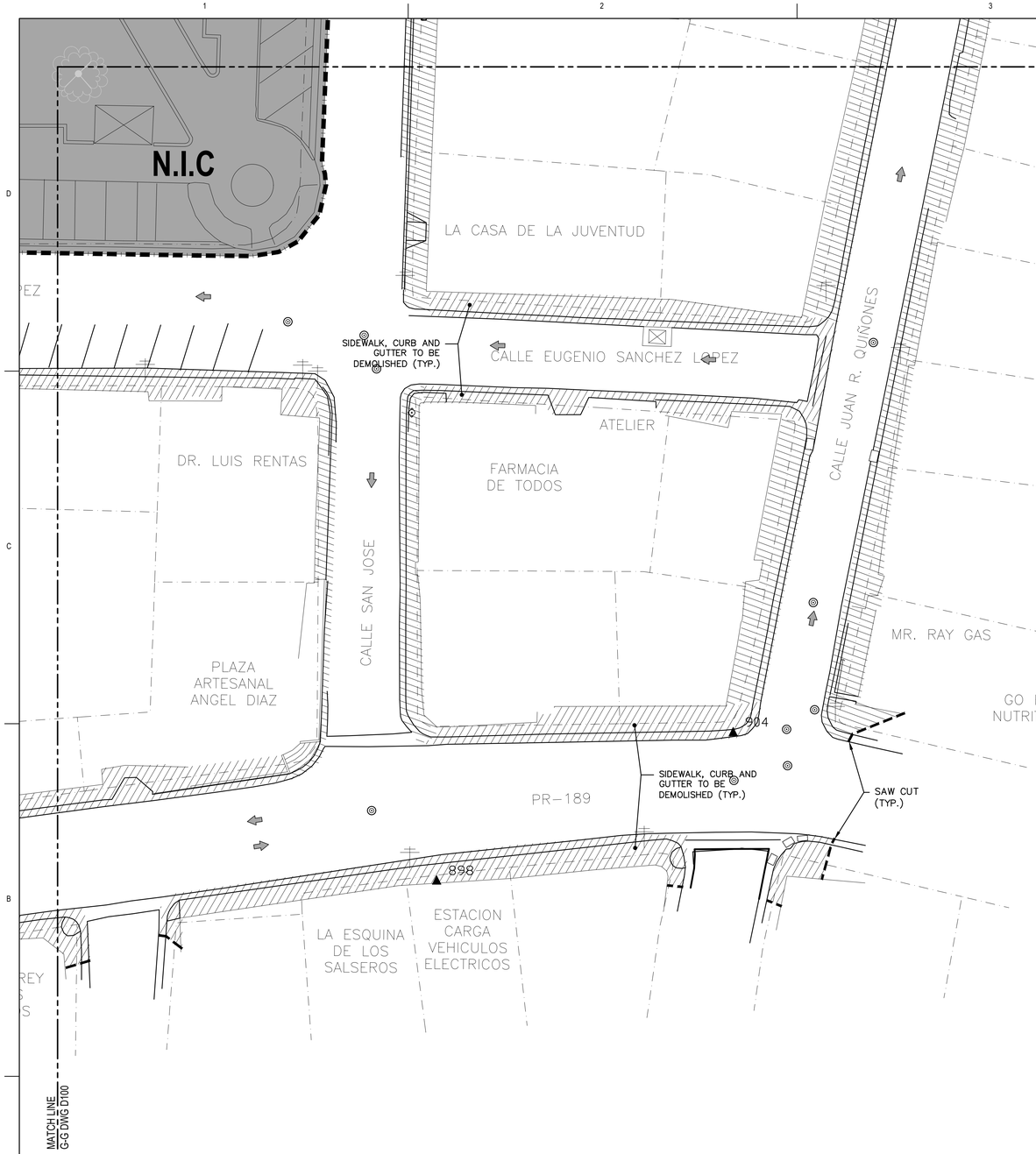
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EXISTING
CONDITIONS AND
DEMOLITION
PLAN

SHEET ID

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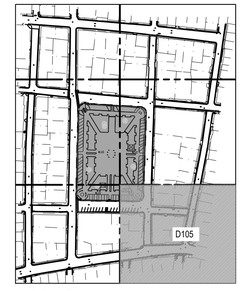
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EXISTING CONDITIONS AND DEMOLITION PLAN

SCALE: 1:200

NOTE:

1. REFER TO DWG. D100 FOR LEGEND AND NOTES.



KEY MAP
NTS

2 0 5 10 15m

SCALE: 1:200

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PROJECT INFORMATION

PR-CRP-000559
SIDEWALK IMPROVEMENTS AROUND "PLAZA DE LOS PROCERES"

GURABO PUERTO RICO

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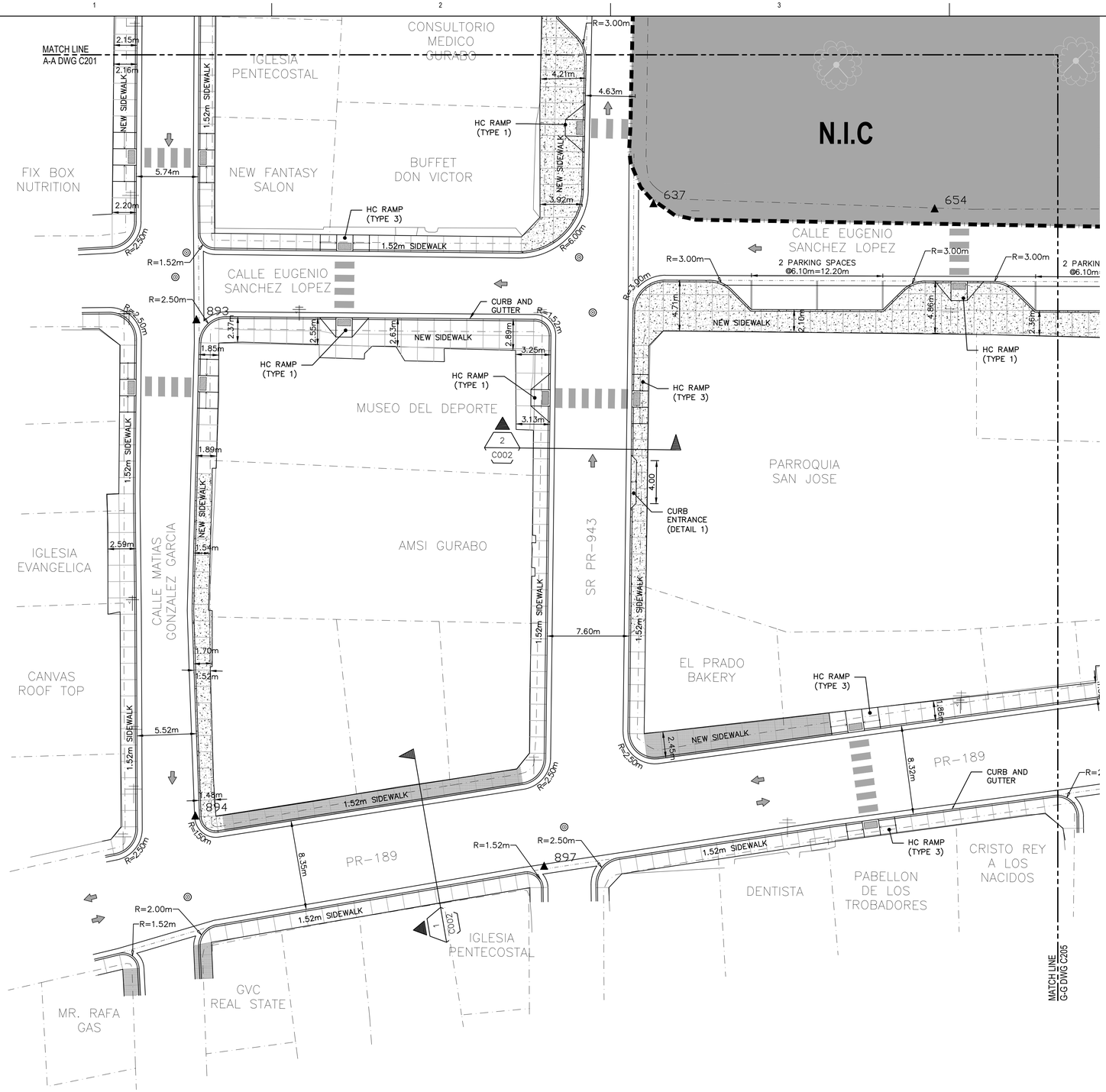
SHEET TITLE

EXISTING CONDITIONS AND DEMOLITION PLAN

SHEET ID

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N

LAYOUT PLAN
SCALE: 1:200

LEGEND:

- PROPERTY LIMIT
- PRHTA RIGHT OF WAY (ROW)
- CRIM LIMIT
- NEW SIDEWALK WITH CONCRETE CURB AND GUTTER SECTION (1) (SEE DETAILS ON DWG. C702)
- NEW SIDEWALK WITH CONCRETE CURB AND GUTTER SECTION (2) (SEE DETAILS ON DWG. C702)
- NEW SIDEWALK WITH CONCRETE CURB AND GUTTER SECTION (3) (SEE DETAILS ON DWG. C702)
- NEW HC RAMPS (SEE DETAILS ON DWG. C701)
- DRIVEWAY RECONSTRUCTION (SEE DETAILS ON DWG. C701)
- TRAFFIC DIRECTION
- SECTION (SEE SECTION ON DWG. C002)
- INLET TO BE CLEANED (SEE NOTE 5)

GENERAL SITE NOTES:

1. ALL DIMENSIONS AND ELEVATIONS ARE EXPRESSED IN METERS, UNLESS OTHERWISE NOTED.
2. AS-BUILT PLAN PREPARED BY LICENCED SURVEYOR RAFAEL A. POZO MORTAS, LIC.10028, DATED JANUARY 9, 2023.
3. REFER TO DWG. C490 FOR EROSION AND SEDIMENTATION CONTROL DETAILS.
4. REFER TO MOT PLANS FOR MAINTENANCE OF TRAFFIC TYPICAL APPLICATIONS, NOTES AND DETAILS.
5. CLEANING OF EXISTING INLETS (REFER TO PRHTA SPEC. 632)
7. AFTER COMPLETION OF CONCRETE PAVEMENT REPLACEMENT AND SIDEWALKS RECONSTRUCTION WORKS, CONTRACTOR SHALL CLEANED AND PRESSURE WASHED ALL THE SIDEWALKS (EXISTING AND NEW) WITHIN THE PROJECT AREA (THIS INCLUDES FROM THE BEGINNING AND END OF EACH STREETS INCLUDED ON THIS PROJECT, AT BOTH SIDES OF THE STREET).



KEY MAP
NTS

2 0 5 10 15m
SCALE: 1:200

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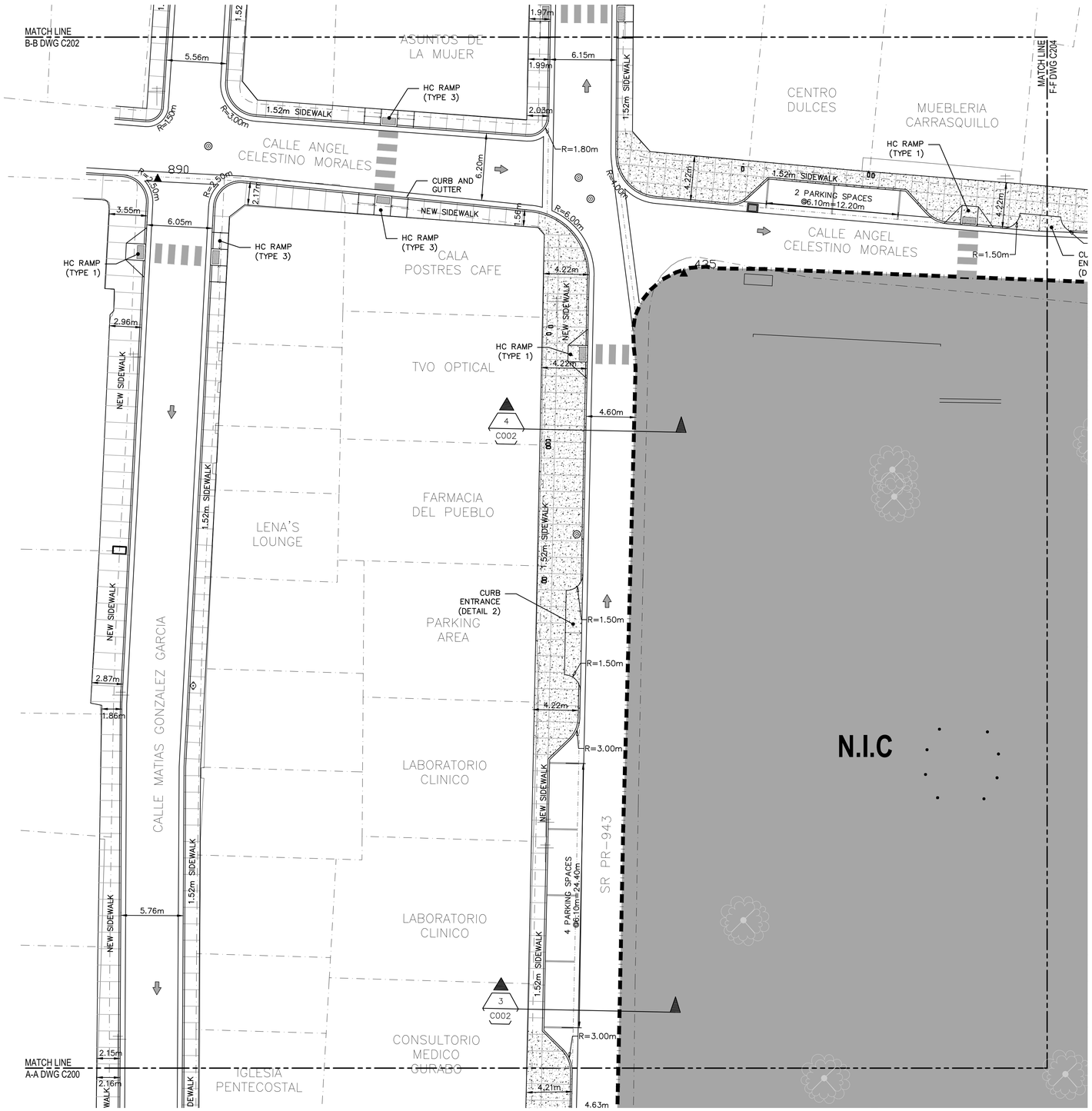
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LAYOUT PLAN

SHEET ID

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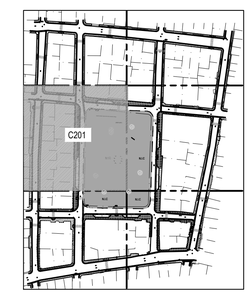


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LAYOUT PLAN
SCALE: 1:200

NOTE:

1. REFER TO DWG. C200 FOR LEGEND AND NOTES.



KEY MAP
NTS

2 0 5 10 15m

SCALE: 1:200

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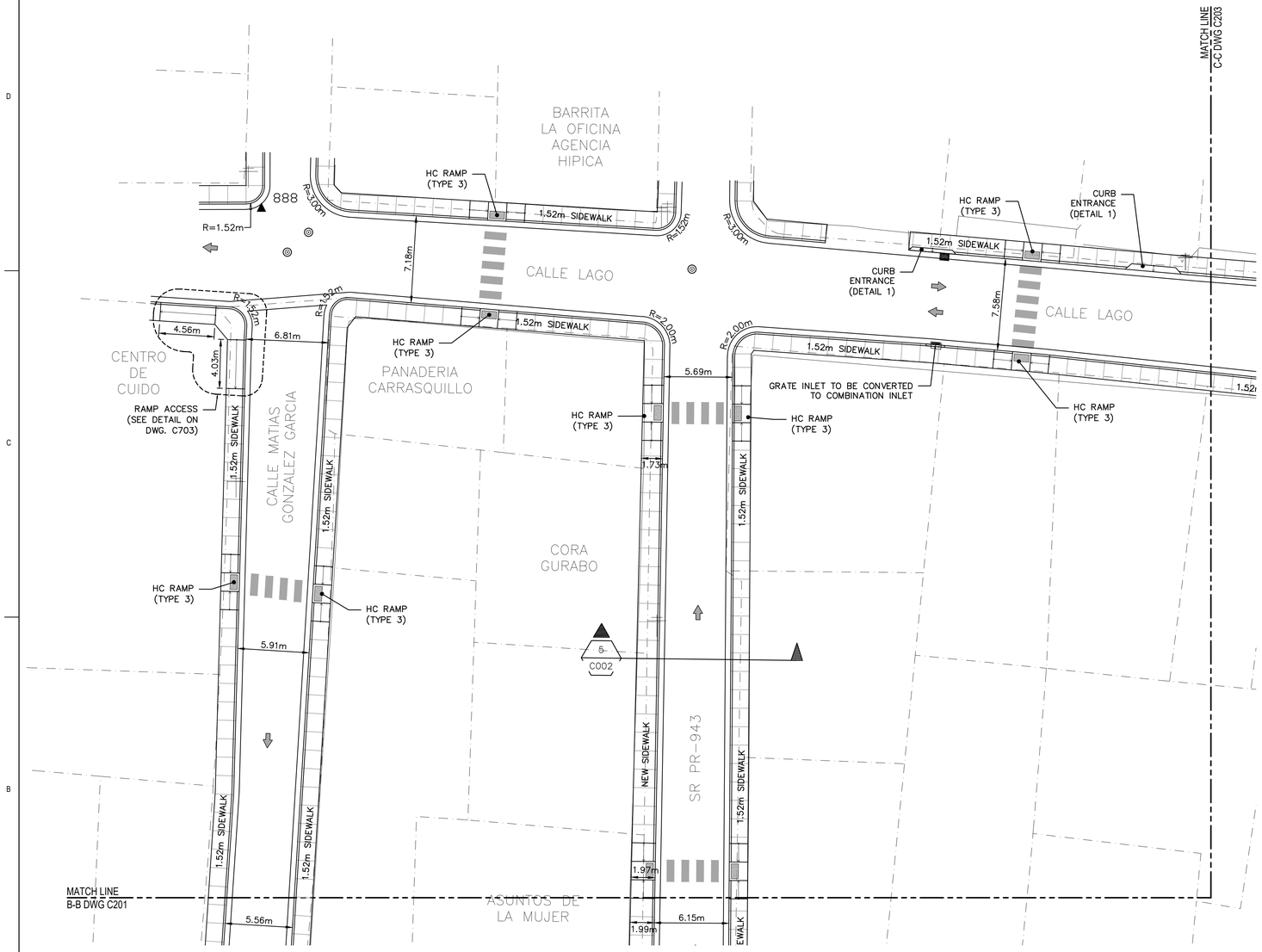
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LAYOUT PLAN

SHEET ID

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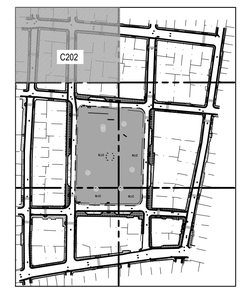


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LAYOUT PLAN
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NOTE:

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KEY MAP
NTS

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SCALE: 1:200

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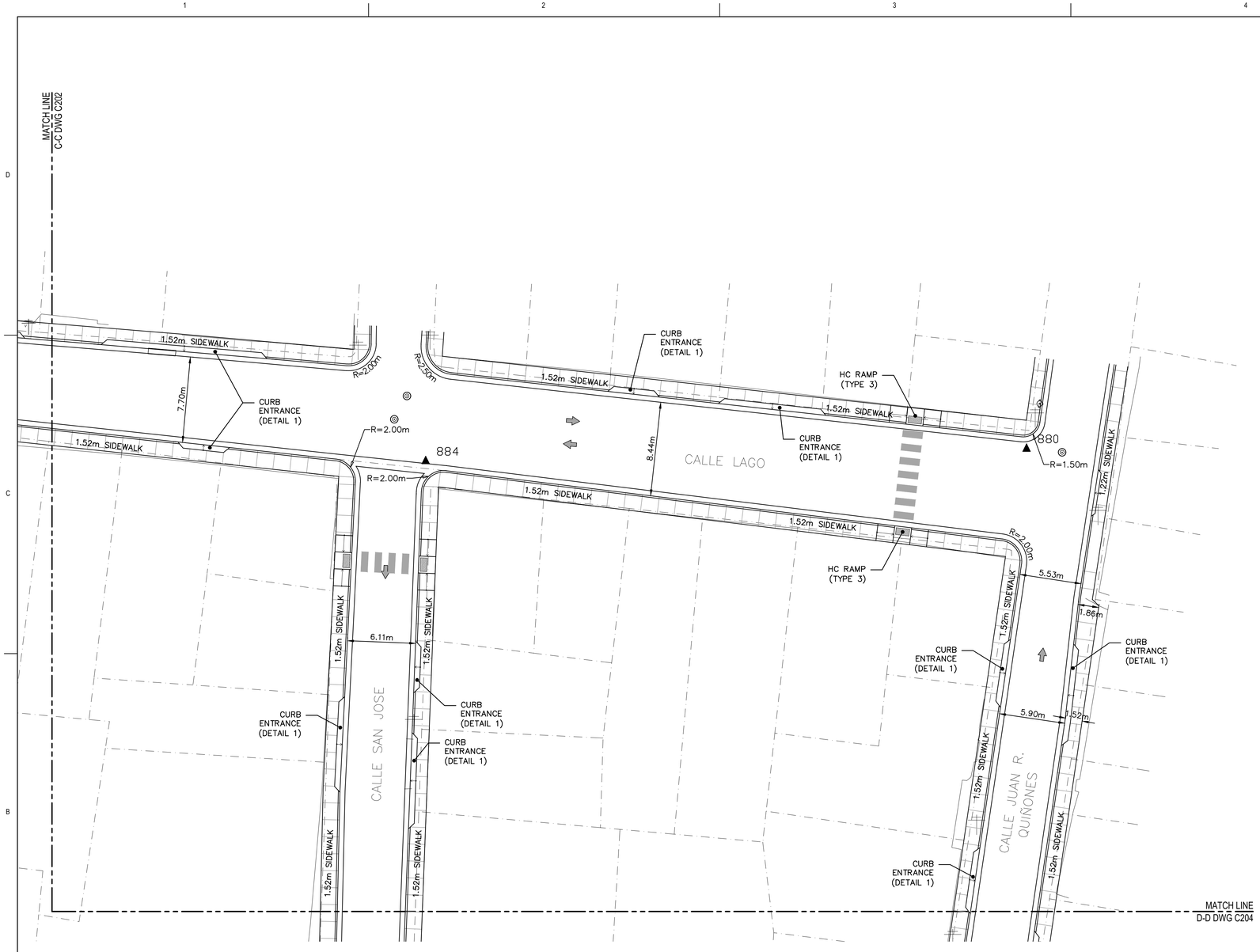
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SHEET ID

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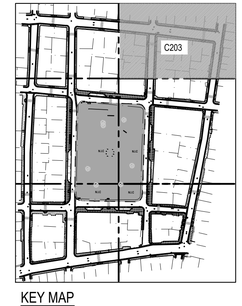


NOTE:

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N

LAYOUT PLAN
SCALE: 1:200



KEY MAP
NTS

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SCALE: 1:200

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YO, LUZ M. RODRIGUEZ TORRES, LIC. 17504, CERTIFICO QUE SOY EL PROFESIONAL QUE CONFECCIONÓ Y/O DISEÑÓ Y/O PREPARÓ ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIÉN CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE 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 NÚM. 14 DEL 8 DE ENERO DE 2004, SEGÚN ENMENDADA, CONOCIDA COMO LEY PARA LA INVERCIÓN POR LA INDUSTRIA PUERTORRIQUEÑA Y CON LA (LEY NÚM. 319 DEL 15 MAYO DE 1938 , SEGÚN ENMENDADA; LEY NÚM. 96 DEL 6 DE JULIO DE 1978, SEGÚN ENMENDADA; SEGÚN APLIQUE). RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIONES DE LOS HECHOS QUE SE HAYA PRODUCIDO POR DESCONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MÍ, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR LA OGPE.

PROJECT INFORMATION

PR-CRP-000559
SIDEWALK IMPROVEMENTS
AROUND "PLAZA DE LOS
PROCERES"

GURABO PUERTO RICO

REVISIONS

NO.	DESCRIPTION	DATE
a	30% DESIGN DRAWINGS	03/01/23
b	60% DESIGN DRAWINGS	03/23/23
c	90% DESIGN DRAWINGS	06/15/23
d	90% REV DESIGN DRAWINGS	01/25/24

DATE ISSUED:	02/22/23
REVIEWED BY:	LMR
DRAWN BY:	AMC
DESIGNED BY:	LMR
BRA PROJECT NUMBER:	22023

SHEET TITLE

LAYOUT PLAN

SHEET ID

C203

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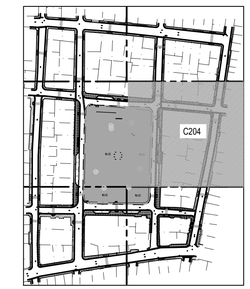


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LAYOUT PLAN
SCALE: 1:200

NOTE:

1. REFER TO DWG. C200 FOR LEGEND AND NOTES.



KEY MAP
NTS

2 0 5 10 15m

SCALE: 1:200

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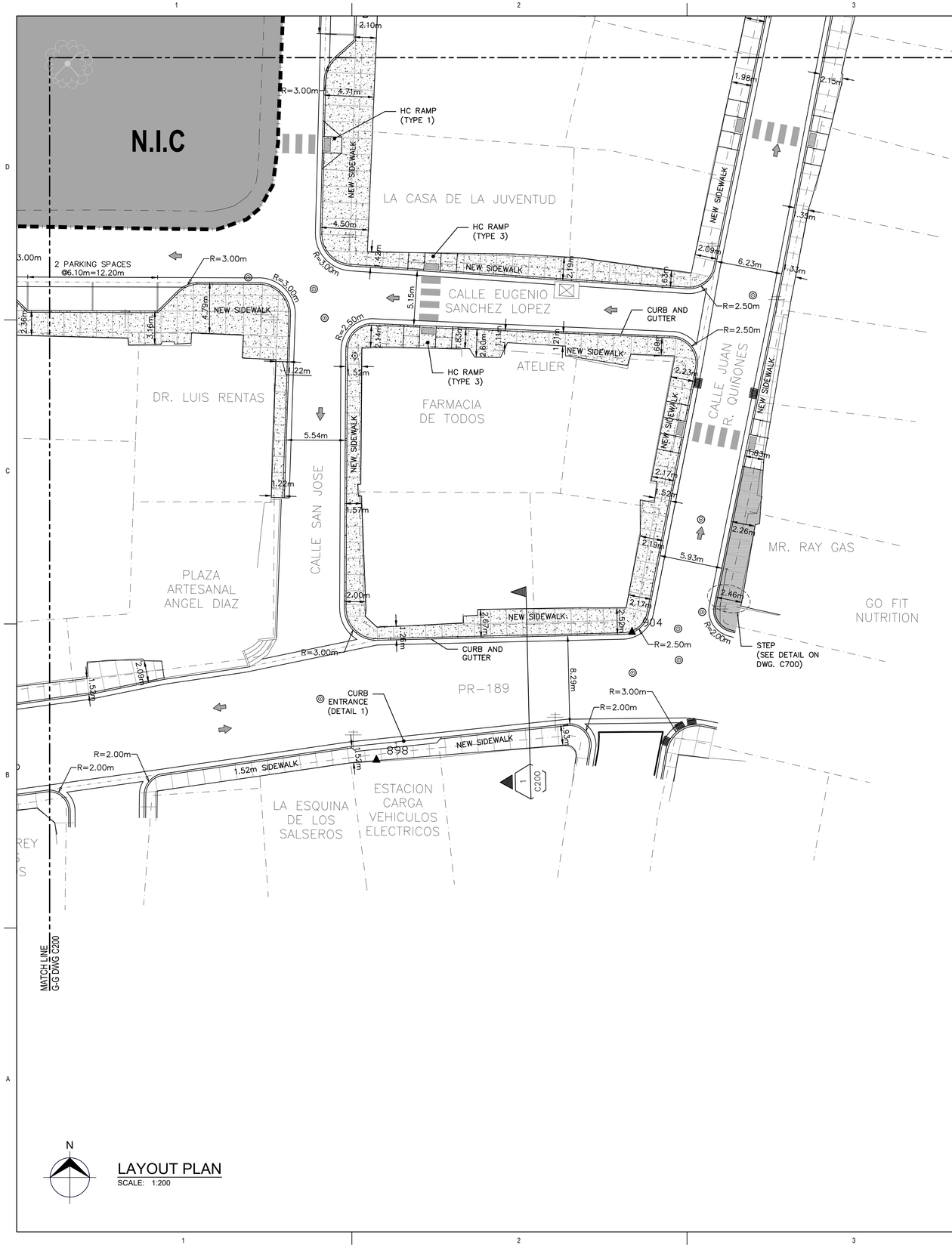
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LAYOUT PLAN

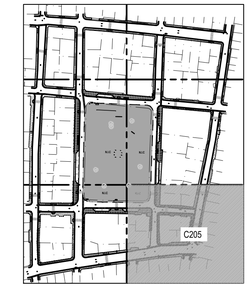
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LAYOUT PLAN
SCALE: 1:200



KEY MAP
NTS

2 0 5 10 15m

SCALE: 1:200

NOTE:

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SHEET TITLE

LAYOUT PLAN

SHEET ID

C205

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CONSTRUCTION SIGNS:

CODE No.	LOCATION No.	SIGN CODE	L E G E N D	SIZE OF SIGN PANELS	STRUCTURE TYPE	REFERENCE MANUAL	TOTAL ITEM
1	1,2	W21–4		30" X 30"	N/A	SEE D.T.P.W. MANUAL 2020	2
2	3,4	W20–4		36" X 36"	N/A	SEE D.T.P.W. MANUAL 2020	2
3	21,22	W11–2 W16–7P(D)		18"X18" 24"X12"	N/A	SEE D.T.P.W. MANUAL 2020	2
4	5,6	W20–7A		30" X 30"	N/A	SEE D.T.P.W. MANUAL 2020	2
5	7,8	G20–2		40" X 16"	N/A	SEE D.T.P.W. MANUAL 2020	2
6	9,10,11,12, 32,33,34	W11–2 W16–7P(I)		18"X18" 24"X12"	N/A	SEE D.T.P.W. MANUAL 2020	7
7	13,14,35,36	R9–9		24" X 18"	N/A	SEE MUTCD 2009 & GUIDE SIGN DETAIL	4
8	15,37	R9–11(I)		36" X 30"	N/A	SEE MUTCD 2009 & GUIDE SIGN DETAIL	2
9	16,17,18,19	R9–10		42" X 24"	N/A	SEE MUTCD 2009 & GUIDE SIGN DETAIL	4
10	20,38	R9–11(D)		36" X 30"	N/A	SEE MUTCD 2009 & GUIDE SIGN DETAIL	2
11	23,24	W5–1		36" X 36"	N/A	SEE D.T.P.W. MANUAL 2020	2
12	25	W20–3		36" X 36"	N/A	SEE D.T.P.W. MANUAL 2020	1
13	26	M4–9(D)		24" X 18"	N/A	SEE D.T.P.W. MANUAL 2020	1
14	27,28,29	M4–9(I)		24" X 18"	N/A	SEE D.T.P.W. MANUAL 2020	3
15	30	M4–8a		24" X 18"	N/A	SEE D.T.P.W. MANUAL 2020	1
16	31	M4–9 R3–1		42" X 14" 24" X 24"	N/A	SEE D.T.P.W. MANUAL 2020	1

NOTES:

1. FOR MAINTENANCE OF TRAFFIC NOTES & LEGEND REFER TO DWG. MOT/1
2. MAINTENANCE OF TRAFFIC APPLICATIONS MUST COMPLY WITH MUTCD 2009 MANUAL.
3. SIGNS MUST COMPLY WITH DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS' "MANUAL DE ROTULACION PARA LAS VIAS PUBLICA DE PUERTO RICO" 2020 & MUTCD 2009 MANUAL.
4. FOR GUIDE SIGN DETAIL SEE DWG. MOT–7

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PR-CRP-000559
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AROUND "PLAZA DE LOS PROCERES"

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DRAWN BY:	AMC
DESIGNED BY:	LMR
BRA PROJECT NUMBER:	22023

SHEET TITLE

MAINTENANCE OF TRAFFIC CONSTRUCTION SIGN TABLE

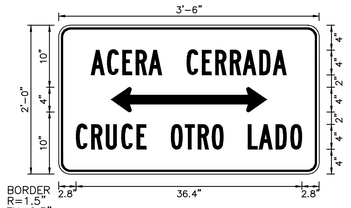
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MOT6

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GUIDE SIGN DETAILS:

NTS



Panel Style: REGULATORY PEDESTRIAN.ssi
M.U.T.C.D.: 2009 Edition

SIGN NUMBER	9/16, 9/17, 9/18, 9/19
WIDTH x HGHT.	3'–6" x 2'–0"
BORDER WIDTH	0.3"
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: White
LEGEND/BORDER	TYPE: Reflective
	COLOR: Black/Black

SYMBOL	ROT	X	Y	WID	HT
AR_THRU	90	8.4	10	4	12.6
AR_THRU	270	21	10	4	12.6

Panel Style: REGULATORY PEDESTRIAN.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																					LENGTH	SERIES/SIZE
A	C	E	R	A		C	E	R	R	A	D	A										B 2000
5.2	7.8	10.3	12.4	14.5	16.6	20.6	23.1	25.3	27.6	29.7	32.4	34.6									31.5	4
C	R	U	C	E		O	T	R	O		L	A	D	O								B 2000
2.8	5.3	7.6	10.1	12.6	14.1	18.1	20.4	22.5	24.7	26.5	30.5	32.3	35	37.4							36.4	4



Panel Style: REGULATORY PEDESTRIAN.ssi
M.U.T.C.D.: 2009 Edition

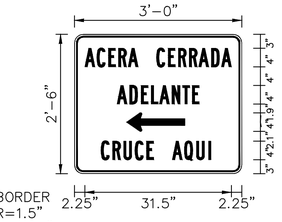
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WIDTH x HGHT.	2'–0" x 1'–6"
BORDER WIDTH	0.3"
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: White
LEGEND/BORDER	TYPE: Reflective
	COLOR: Black/Black

SYMBOL	ROT	X	Y	WID	HT

Panel Style: REGULATORY PEDESTRIAN.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																					LENGTH	SERIES/SIZE
A	C	E	R	A																		B 2000
6.2	8.8	11.3	13.4	15.5																	11.4	4
C	E	R	R	A	D	A																B 2000
4	6.4	8.6	11	13	15.7	17.9															16.1	4



Panel Style: REGULATORY PEDESTRIAN DIR..ssi
M.U.T.C.D.: 2009 Edition

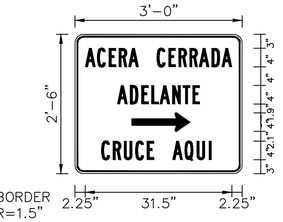
SIGN NUMBER	8/15, 8/37
WIDTH x HGHT.	3'–0" x 2'–6"
BORDER WIDTH	0.3"
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: White
LEGEND/BORDER	TYPE: Reflective
	COLOR: Black/Black

SYMBOL	ROT	X	Y	WID	HT
AR_THRU	90	11.2	9.1	4	12.6

Panel Style: REGULATORY PEDESTRIAN DIR..ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																					LENGTH	SERIES/SIZE
A	C	E	R	A		C	E	R	R	A	D	A										B 2000
2.2	4.8	7.3	9.5	11.5	13.7	17.7	20.2	22.3	24.7	26.7	29.4	31.6									31.5	4
A	D	E	L	A	N	T	E															B 2000
9.1	11.9	14.3	16.5	18.3	21	23.3	25.3														17.7	4
C	R	U	C	E		A	Q	U	I													B 2000
5.7	8.2	10.6	13	15.5	17	21	23.6	26.2	28.8												23.6	4



Panel Style: REGULATORY PEDESTRIAN DIR..ssi
M.U.T.C.D.: 2009 Edition

SIGN NUMBER	10/20, 10/38
WIDTH x HGHT.	3'–0" x 2'–6"
BORDER WIDTH	0.3"
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: White
LEGEND/BORDER	TYPE: Reflective
	COLOR: Black/Black

SYMBOL	ROT	X	Y	WID	HT
AR_THRU	90	11.2	9.1	4	12.6

Panel Style: REGULATORY PEDESTRIAN DIR..ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																					LENGTH	SERIES/SIZE
A	C	E	R	A		C	E	R	R	A	D	A										B 2000
2.2	4.8	7.3	9.5	11.5	13.7	17.7	20.2	22.3	24.7	26.7	29.4	31.6									31.5	4
A	D	E	L	A	N	T	E															B 2000
9.1	11.9	14.3	16.5	18.3	21	23.3	25.3														17.7	4
C	R	U	C	E		A	Q	U	I													B 2000
5.7	8.2	10.6	13	15.5	17	21	23.6	26.2	28.8												23.6	4

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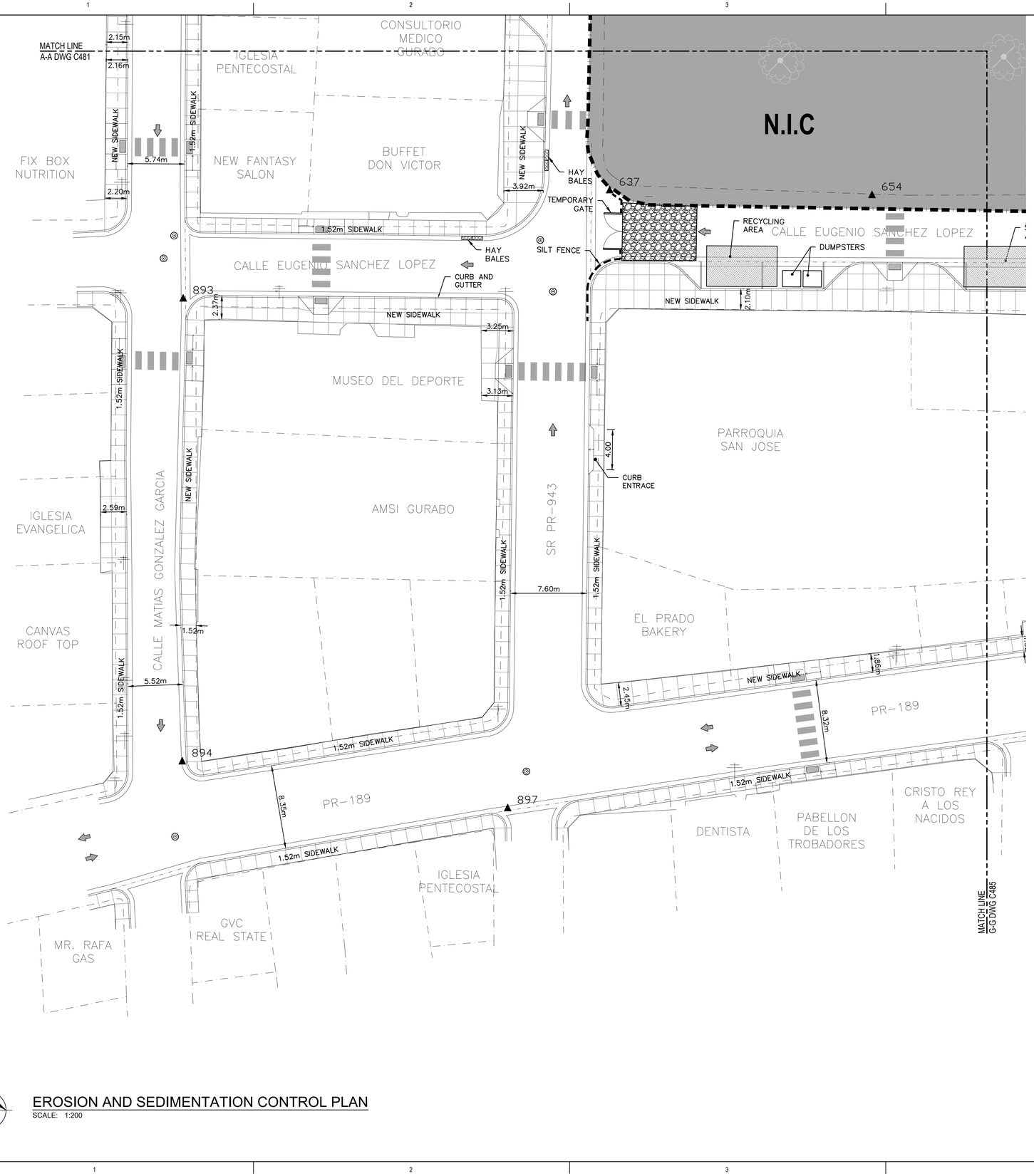
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MAINTENANCE OF TRAFFIC CONSTRUCTION SIGN TABLE

SHEET ID

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EROSION AND SEDIMENTATION CONTROL PLAN

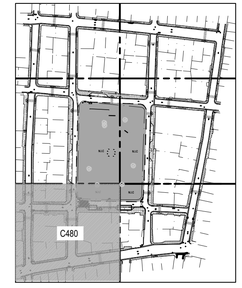
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LEGEND:

- INLET PROTECTION
- HAY BALES
- SILT SOCKS
- SILT FENCE
- STABILIZED CONSTRUCTION ENTRANCE
- FLOW DIRECTION
- 3.5 — CONTOUR LINES
- ×51.90 — EXISTING GRADE

NOTES:

1. ALL DIMENSIONS ARE EXPRESSED IN METERS, UNLESS OTHERWISE NOTED.
2. FOR EROSION AND SEDIMENT CONTROL DETAILS AND NOTES, REFER TO DWG. C490.
3. ALL EROSION AND SEDIMENTATION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO COMMENCE WITH ANY DEMOLITION OR EXCAVATION, AND MAINTAINED THROUGHOUT THE DURATION OF THE CONSTRUCTION.
4. FOR TOPOGRAPHIC AND SURVEY PLAN, REFER TO PLAN PREPARED BY LICENSED SURVEYOR RAFAEL A. POZO, (LIC.#10028), DATED DECEMBER, 2022.
5. TEMPORARY STAGING AREA LOCATION IS SUGGESTED. STAGING AREA SHALL BE REMOVED AND RELOCATED WITHIN THE CALLE EUGENIO SANCHEZ LOPEZ RIGHT OF WAY AND PROJECT LIMIT AS REQUIRED FOR PROJECT COMPLETION.
6. REFER TO MOT PLANS FOR MAINTENANCE OF TRAFFIC PLAN, NOTES AND DETAILS. REFER TO MOT PLANS FOR TEMPORARY CONSTRUCTION SIGNS REQUIRED FOR LANE CLOSURE.



KEY MAP
NTS

2 0 5 10 15m

SCALE: 1:200

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PROJECT INFORMATION

PR-CRP-000559
SIDEWALK IMPROVEMENTS
AROUND "PLAZA DE LOS
PROCERES"

GURABO PUERTO RICO

REVISIONS

NO.	DESCRIPTION	DATE
a	30% DESIGN DRAWINGS	03/01/23
b	60% DESIGN DRAWINGS	03/23/23
c	90% DESIGN DRAWINGS	06/15/23
d	90% REV DESIGN DRAWINGS	01/25/24

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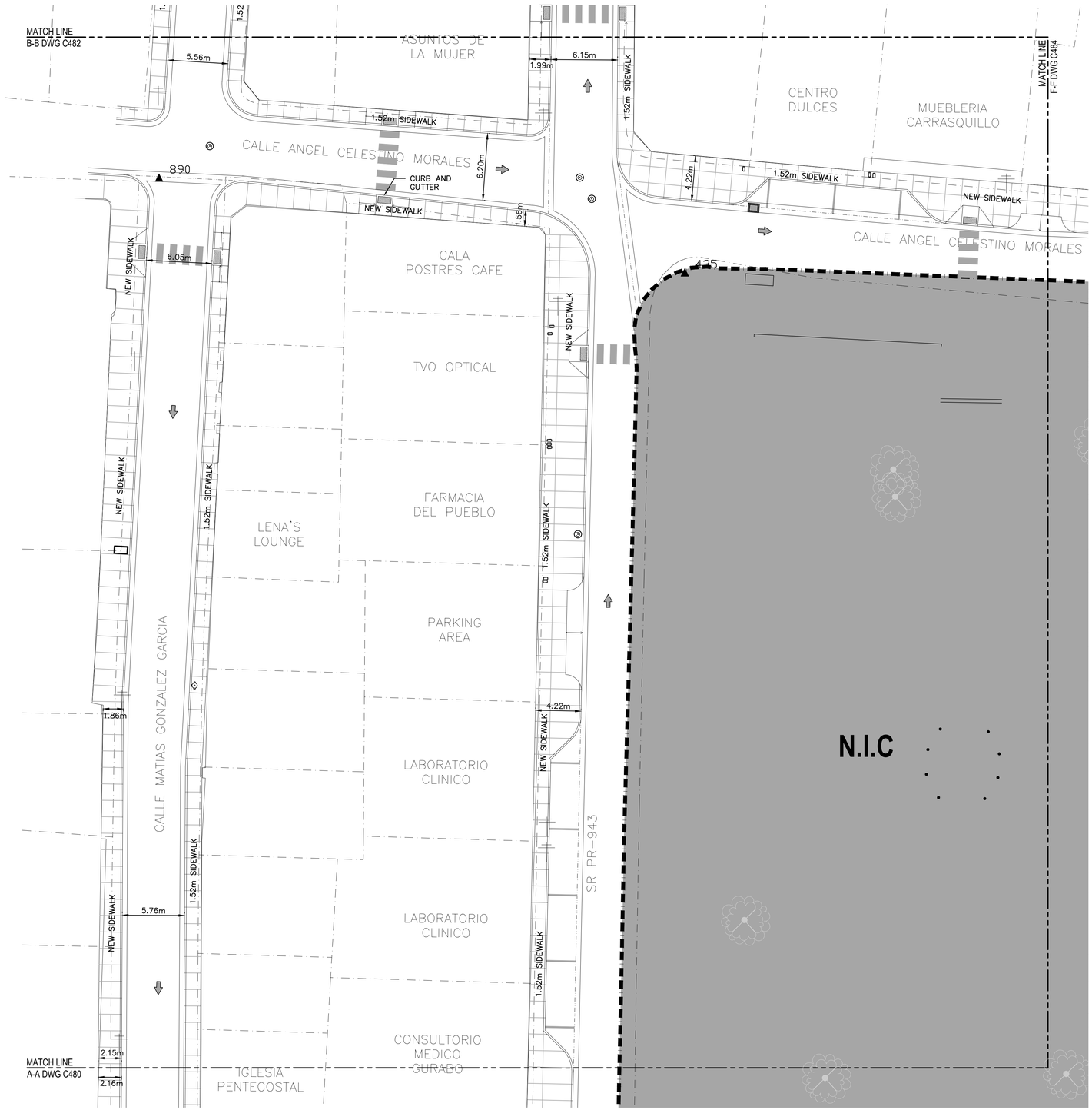
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EROSION AND SEDIMENTATION CONTROL PLAN

SHEET ID

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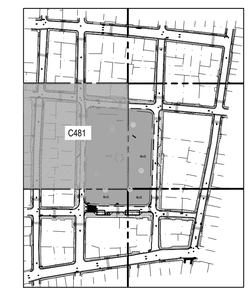
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EROSION AND SEDIMENTATION CONTROL PLAN

SCALE: 1:200

NOTE:

1. REFER TO DWG. C480 FOR LEGEND AND NOTES.



KEY MAP
NTS

2 0 5 10 15m

SCALE: 1:200

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PROJECT INFORMATION

PR-CRP-000559
SIDEWALK IMPROVEMENTS AROUND "PLAZA DE LOS PROCERES"

GURABO PUERTO RICO

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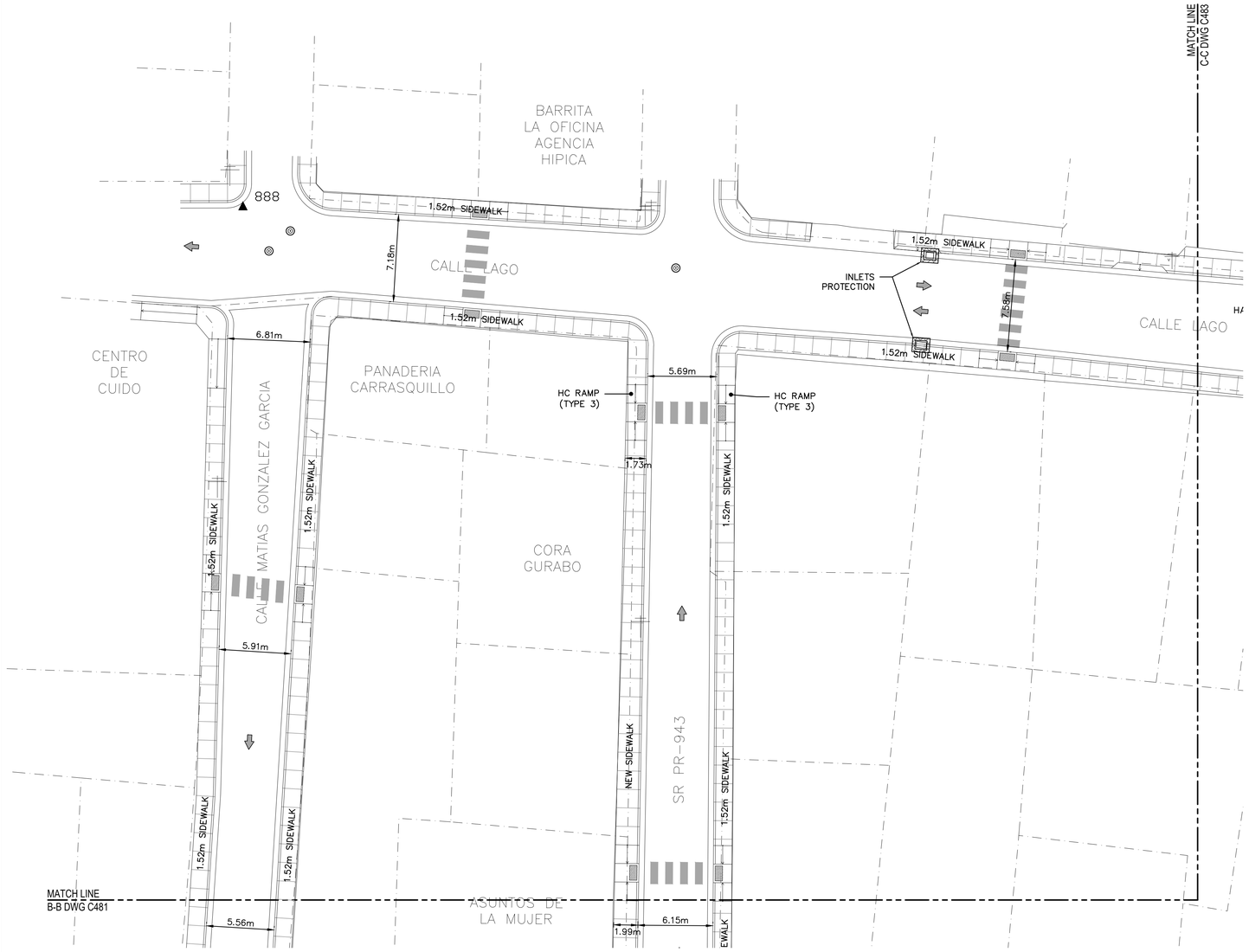
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EROSION AND SEDIMENTATION CONTROL PLAN

SHEET ID

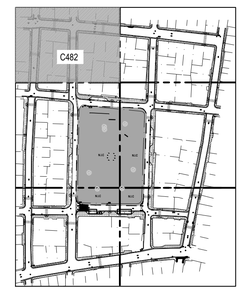
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NOTE:

1. REFER TO DWG. C480 FOR LEGEND AND NOTES.



KEY MAP
NTS

2 0 5 10 15m

SCALE: 1:200

N

EROSION AND SEDIMENTATION CONTROL PLAN
SCALE: 1:200

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PROJECT INFORMATION

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AROUND "PLAZA DE LOS
PROCERES"

GURABO PUERTO RICO

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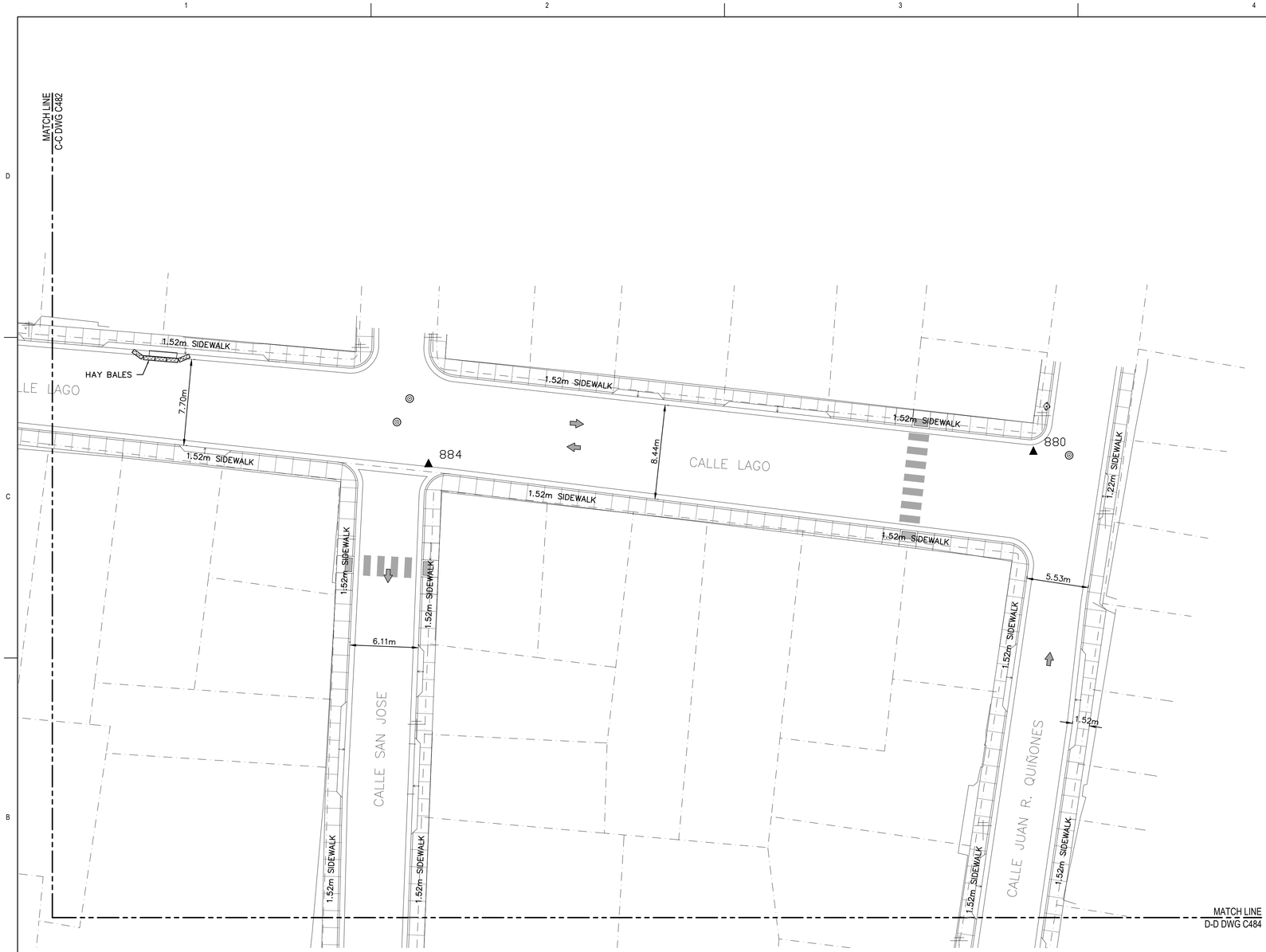
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EROSION AND
SEDIMENTATION
CONTROL PLAN

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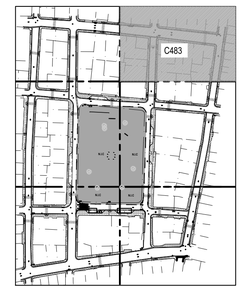
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NOTE:

1. REFER TO DWG. C480 FOR LEGEND AND NOTES.



KEY MAP
NTS

N

EROSION AND SEDIMENTATION CONTROL PLAN
SCALE: 1:200

2 0 5 10 15m

SCALE: 1:200

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PR-CRP-000559
SIDEWALK IMPROVEMENTS AROUND "PLAZA DE LOS PROCERES"

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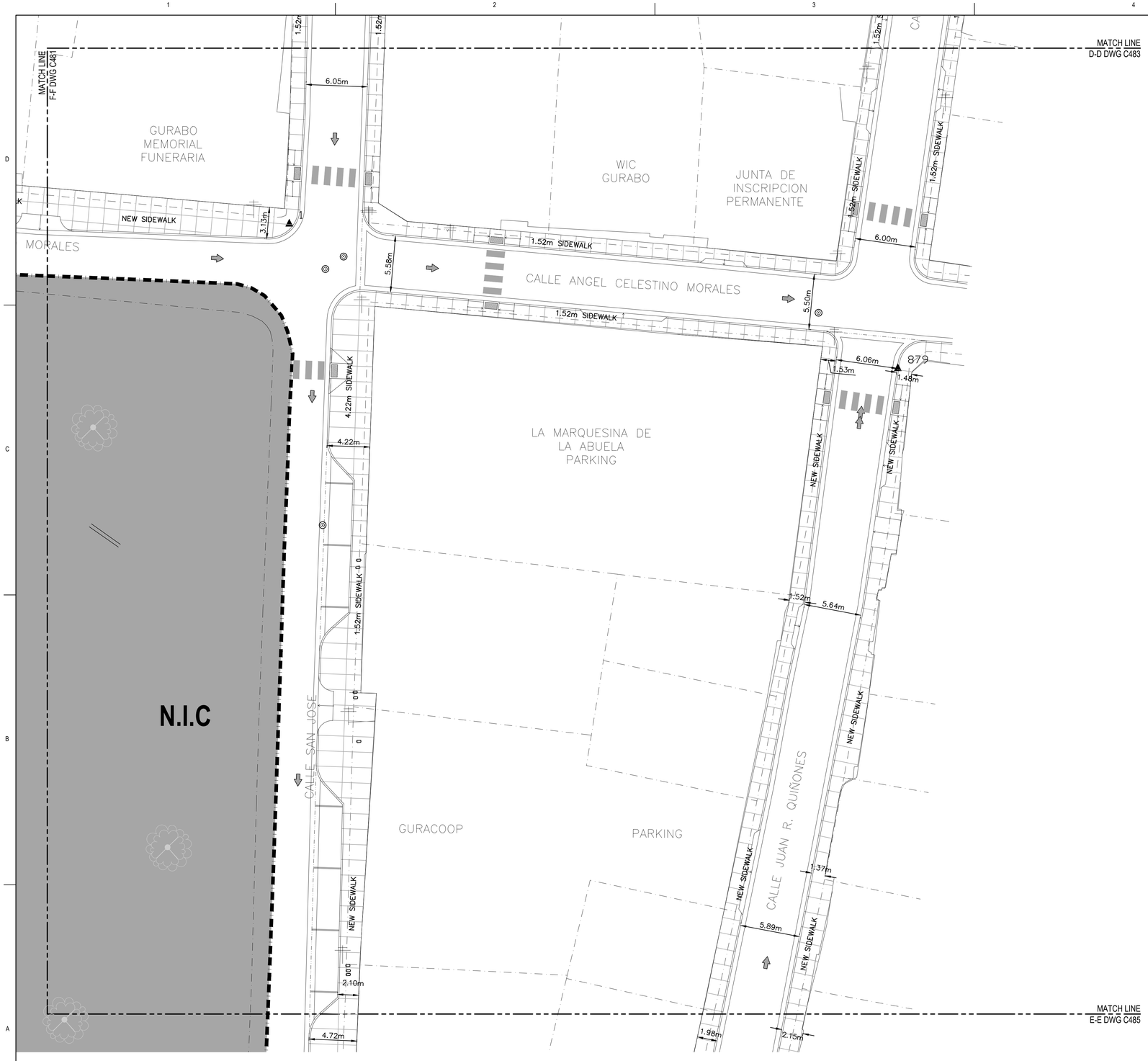
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EROSION AND SEDIMENTATION CONTROL PLAN

SHEET ID

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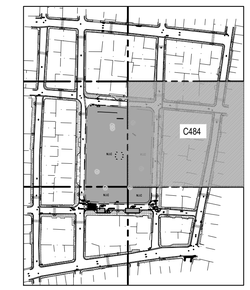


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EROSION AND SEDIMENTATION CONTROL PLAN
SCALE: 1:200

NOTE:

1. REFER TO DWG. C480 FOR LEGEND AND NOTES.



KEY MAP
NTS

2 0 5 10 15m
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SIDEWALK IMPROVEMENTS
AROUND "PLAZA DE LOS
PROCERES"

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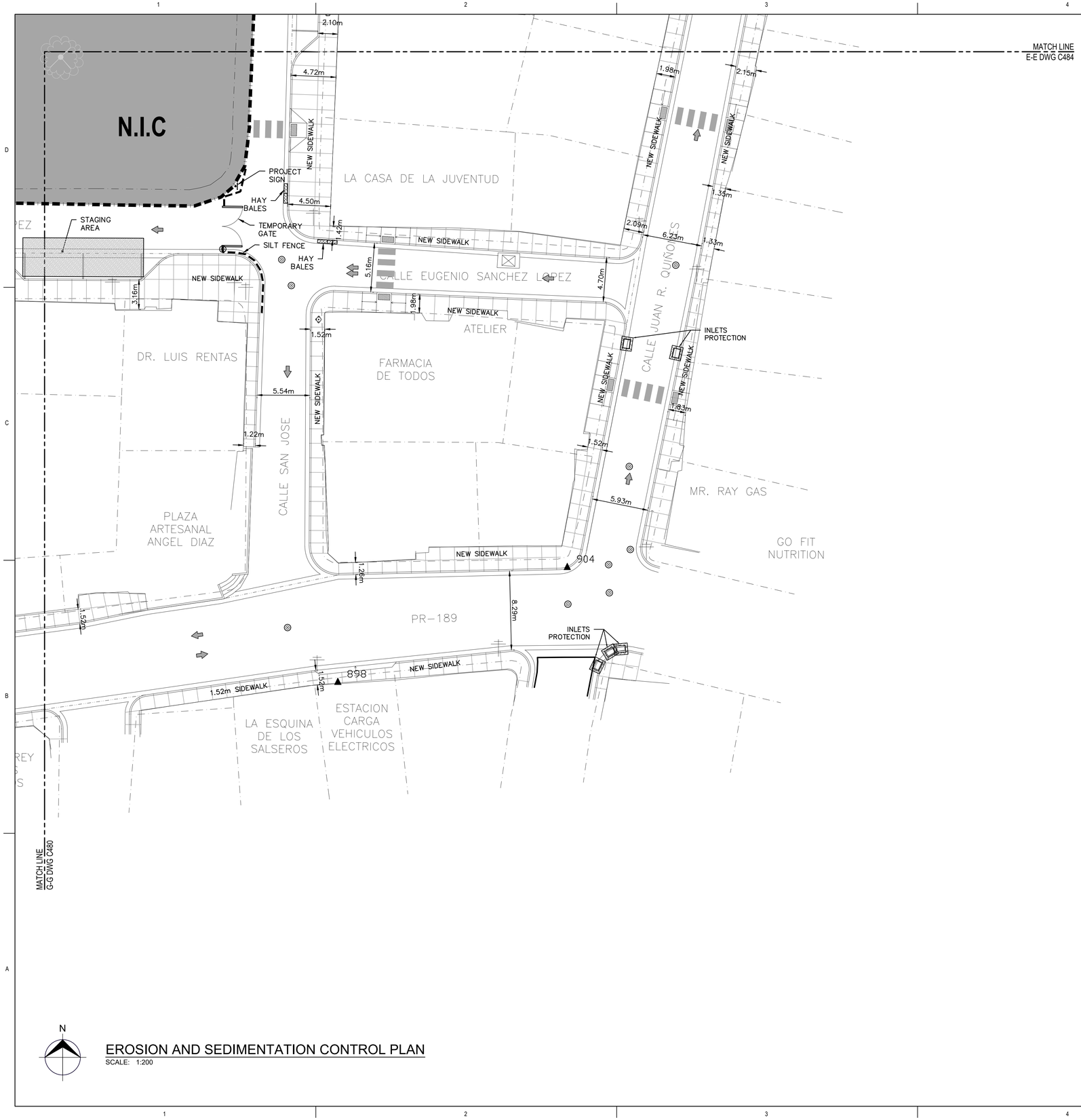
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EROSION AND
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SHEET ID

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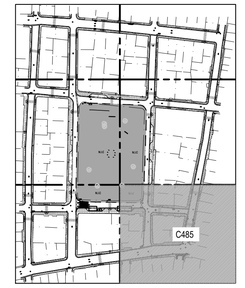


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EROSION AND SEDIMENTATION CONTROL PLAN
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KEY MAP
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PR-CRP-000559
SIDEWALK IMPROVEMENTS AROUND "PLAZA DE LOS PROCERES"

GURABO PUERTO RICO

REVISIONS

NO.	DESCRIPTION	DATE
a	30% DESIGN DRAWINGS	03/01/23
b	60% DESIGN DRAWINGS	03/23/23
c	90% DESIGN DRAWINGS	06/15/23
d	90% REV DESIGN DRAWINGS	01/25/24

DATE ISSUED:	02/22/23
REVIEWED BY:	LMR
DRAWN BY:	AMC
DESIGNED BY:	LMR
BRA PROJECT NUMBER:	22023

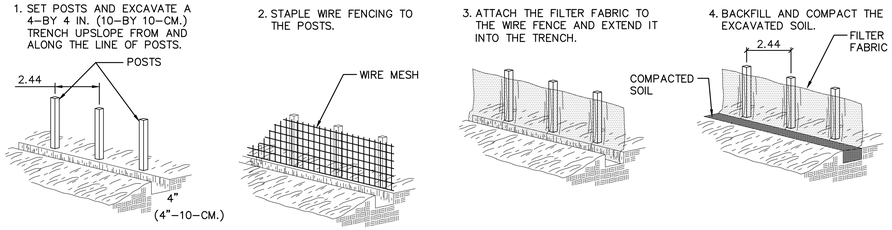
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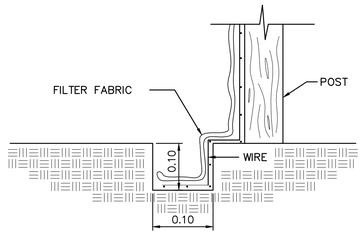
EROSION AND SEDIMENTATION CONTROL PLAN

SHEET ID

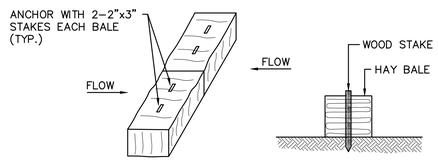
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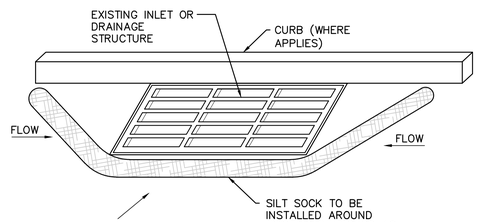


SILT FENCE CONSTRUCTION DETAILS
SCALE: NTS

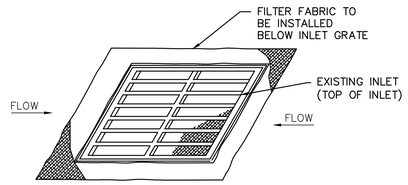


HAY BALE INSTALLATION DETAILS
SCALE: NTS

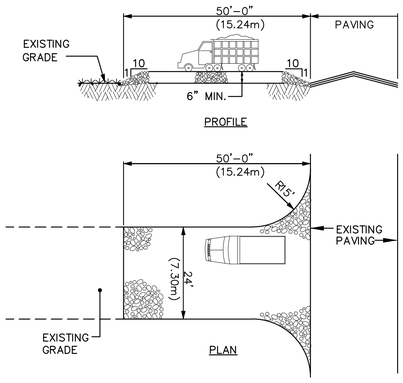
SILT FENCE INSTALLATION DETAILS
SCALE: NTS



SILT SOCK ON INLET DETAIL
SCALE: NTS



INLET PROTECTION DETAIL
SCALE: NTS



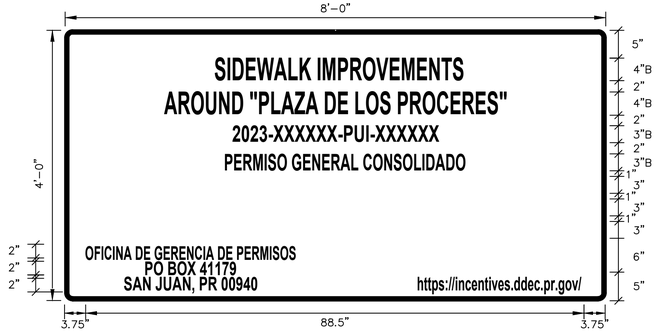
NOTES:

1. PROVIDE APPROPRIATE TRANSITION BETWEEN STABILIZED CONSTRUCTION ENTRANCE AND EXIST. PAVEMENT.
2. STONE SIZE: USE AASHTO M–43 SIZE No. 2 STONE.

STABILIZED CONSTRUCTION ENTRANCE
SCALE: NTS

CES PLAN NOTES

1. THE CONTRACTOR SHALL PROTECT ALL CATCH BASINS, SWALES AND CHANNELS NEAR THE PROJECT AREA THAT COULD BE POTENTIALLY IMPACTED, PRIOR TO START ANY EXCAVATION. ALL MEASURES CAN BE REMOVED WHEN THE LOCAL CONSTRUCTION BE COMPLETED.
2. CONTRACTOR SHALL INSTALL EROSION CONTROL MEASURES IN THE PROJECT AREAS THAT COULD BE POTENTIALLY IMPACTED PRIOR TO START ANY CONSTRUCTION ACTIVITIES IN THAT AREA. THE CONTRACTOR COULD REMOVE THE CONTROL MEASURES WHEN THE AREA IS FULLY STABILIZED AS DETERMINED BY THE CES PLAN INSPECTOR.
3. CONTRACTOR SHALL INSPECT SEDIMENT BARRIERS AFTER EACH RAIN EVENT.REPAIRS SHALL BE DONE AS SOON AS POSSIBLE.SEDIMENT SHALL BE REMOVED FROM THE BARRIERS WHEN THEY REACH HALF THE HEIGHT OF THE BARRIER.
4. THE CONTRACTOR SHALL MAINTAIN THE INTEGRITY OF THE STABILIZED CONSTRUCTION ENTRANCE AS DETAILED ON THIS PLAN.
5. THE CONTRACTOR SHALL MAINTAIN A WATER TANK TRUCK TO SPRAY IT AROUND THE WORKING AREAS WHEN NEEDED OR WHEN THE PROJECT INSPECTOR REQUIRES IT. A WATER HOSE WILL BE INSTALLED NEAR STABILIZED CONSTRUCTION ENTRANCE TO WASH THE CONSTRUCTION VEHICLES WHEELS.
6. THE CONTRACTOR SHALL STRICTLY FOLLOW THE GUIDELINES STATED AT THE CES PLAN APPROVED BY THE ENVIRONMENTAL QUALITY BOARD.
7. THE CONTRACTOR SHALL DISPOSE ALL WASTE MATERIALS AT AN APPROVED LANDFILL.
8. THE CONTRACTOR SHALL RESTORE PAVED AREAS AND RE–SEED GRASS AREAS AS SOON AS POSSIBLE OR AS INSTRUCTED BY THE PROJECT INSPECTOR.
9. ANY MODIFICATION PROPOSAL TO THE CES PLAN SHALL BE CONSULTED WITH THE DESIGNER IN ORDER TO AMEND THE APPROVED PLAN.
10. A SIGN SHALL BE INSTALLED AT EACH PROJECT ENTRANCE AS PER CONSOLIDATED GENERAL PERMIT CONDITION NUMBER 2.
11. CONTRACTOR CAN CHOOSE TO INSTALL DIFFERENT METHODS TO ACHIEVE THE REQUIRED PERFORMANCE.



PROJECT SIGN DETAIL
SCALE: NTS

SIDEWALK IMPROVEMENTS
AROUND "PLAZA DE LOS PROCERES"

OWNER

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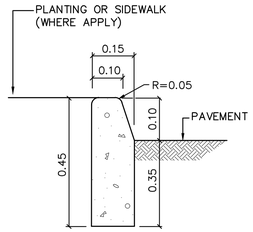
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EROSION AND SEDIMENTATION CONTROL DETAILS

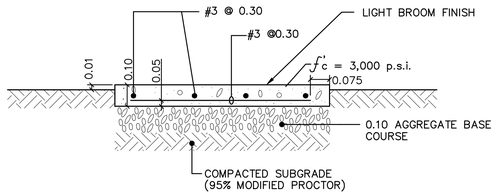
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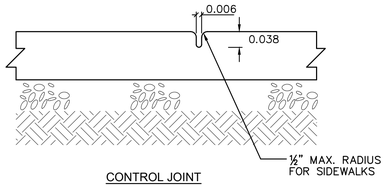
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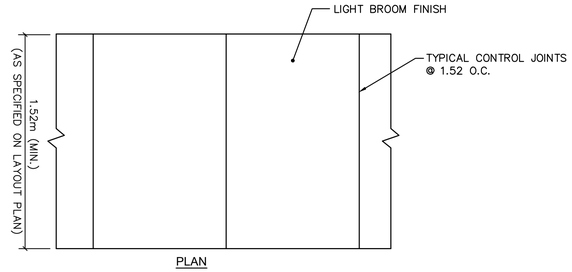
CONCRETE CURB DETAIL
SCALE: NTS



SECTION



CONTROL JOINT

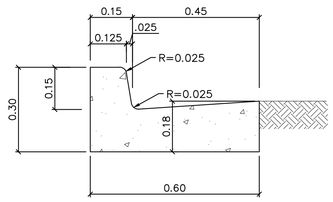


PLAN

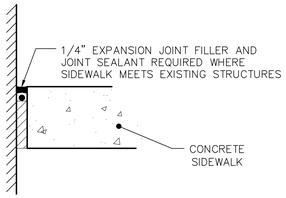
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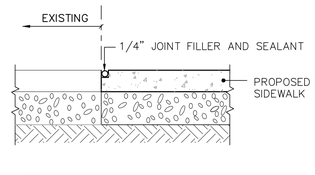
1. WHERE SIDEWALK ABUTS EXISTING OR PROPOSED FIXED OBJECTS (CURBS, CURB AND GUTTERS, CONCRETE PAVING, MANHOLES, OR BUILDINGS), INSTALL 12.7MM EXPANSION JOINT FILLER AND JOINT SEALANT.

CONCRETE SIDEWALK TYPICAL DETAIL
SCALE: NTS



TYPICAL CURB AND GUTTER DETAIL
SCALE: NTS

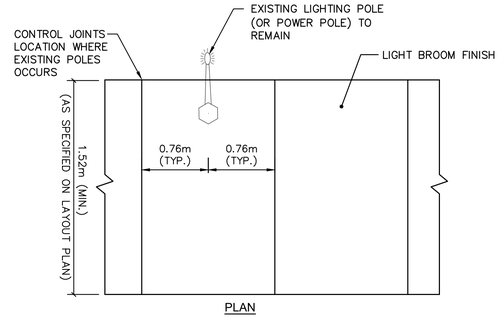




NOTE:

1. WHERE PROPOSED SIDEWALK ABUTS EXISTING SIDEWALKS INSTALL A 1/4" CONSTRUCTION JOINT WITH FILLER AND JOINT SEALANT.

CONSTRUCTION JOINT TYPICAL DETAILS
NOT TO SCALE

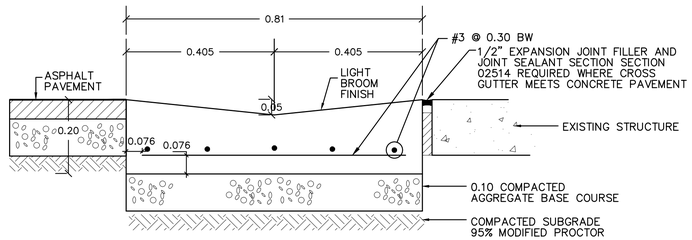


PLAN

NOTE:

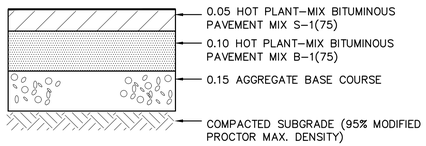
1. CONTROL JOINTS TO CONSIDER FUTURE PROJECT TO REMOVE EXISTING POLES

CONCRETE SIDEWALK DETAIL
(WHERE LIGHTING OR POWER POLES OCCURS)
SCALE: NTS

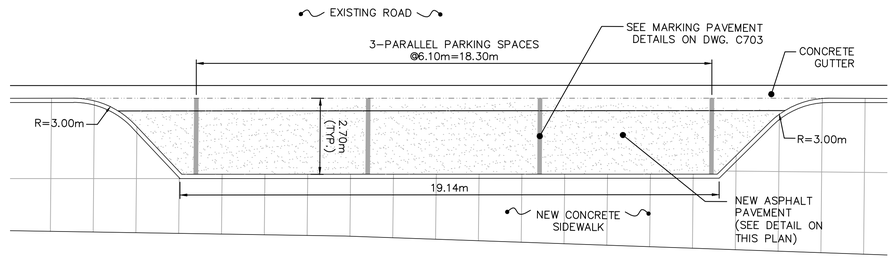


NOTE:
1. CONTROL JOINTS AT 1.50 ON CENTER.

CONCRETE GUTTER DETAILS
SCALE: NTS



ASPHALT PAVEMENT FOR ROADWAY DETAIL
SCALE: NTS



NOTE:

1. REFER TO DWGS. C200 OTO C205 FOR PARKINGS LOCATION AND DIMENSIONS.

PARALLEL PARKING (TYPICAL) DETAIL
SCALE: NTS

OWNER

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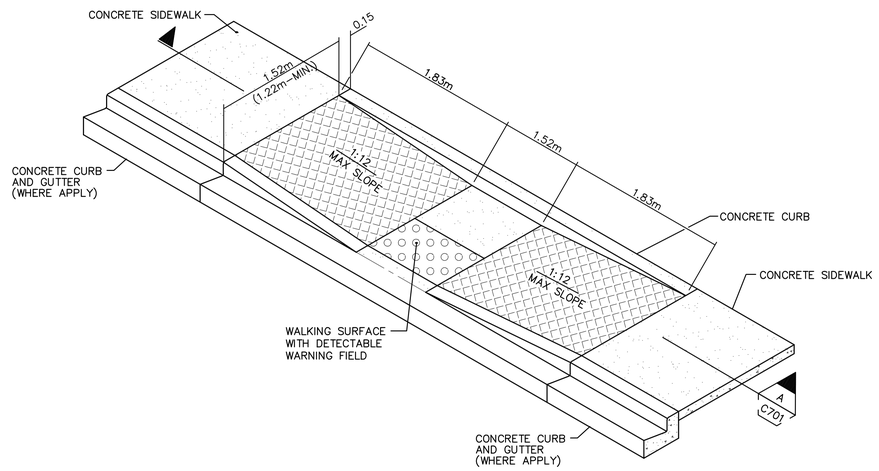
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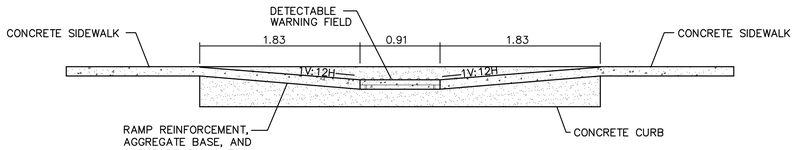
TYPICAL
SECTIONS AND
DETAILS

SHEET ID

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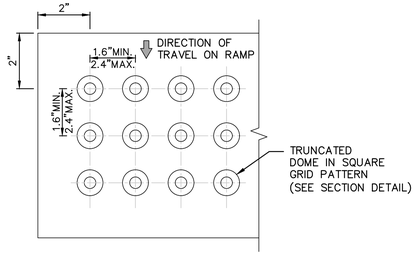
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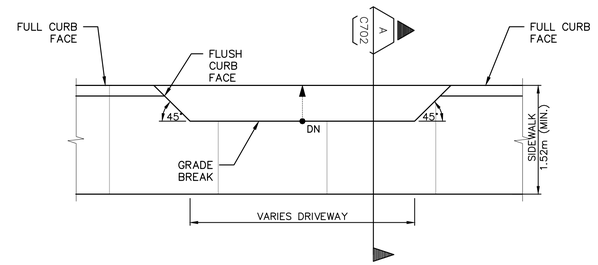


SECTION
SCALE: NTS
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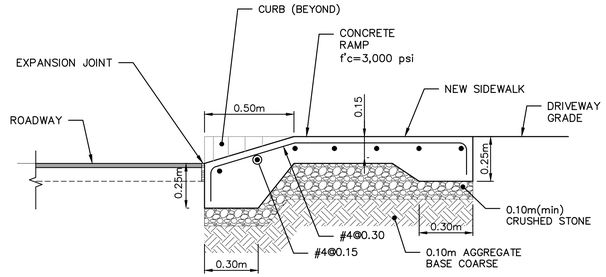
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SCALE: N.T.S.



DETECTABLE WARNING FIELD DETAIL
SCALE: NTS

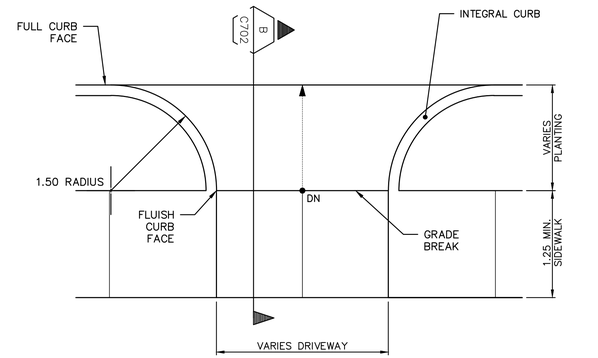


TYPICAL CURB CUT DRIVEWAY DETAIL 1
SCALE: N.T.S.

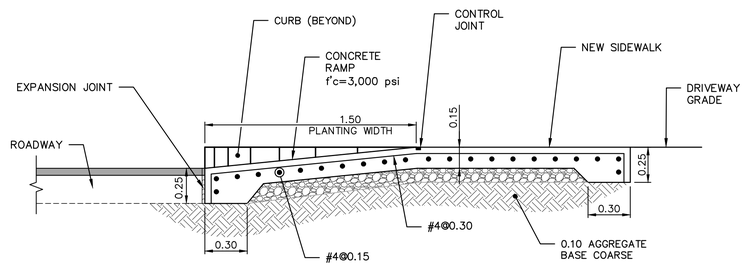


SECTION
SCALE: NTS
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C702

* NOTE:
1. TYPICAL DETAIL FOR ALL DRIVEWAYS AND VEHICULAR ENTRANCES WITHIN THE PROJECT LIMIT, UNLESS OTHERWISE NOTED.

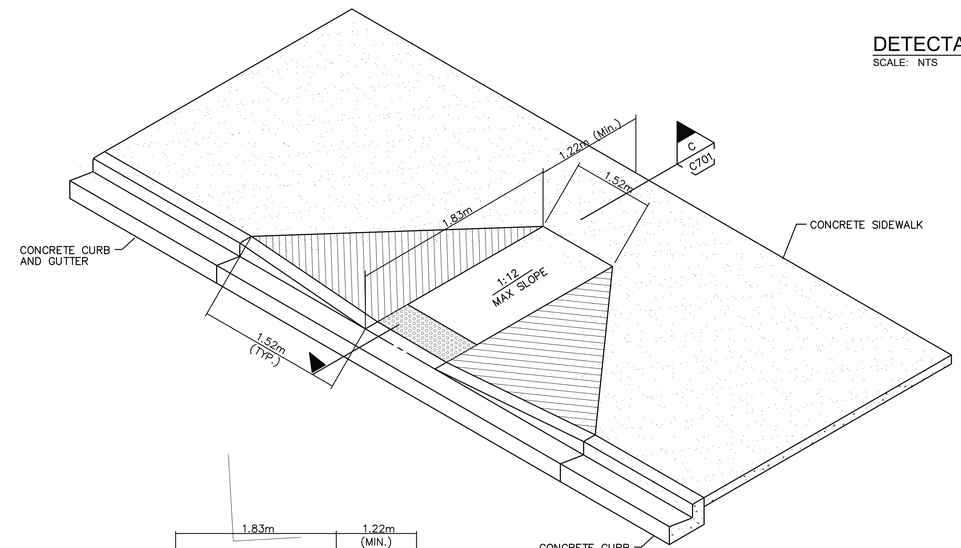


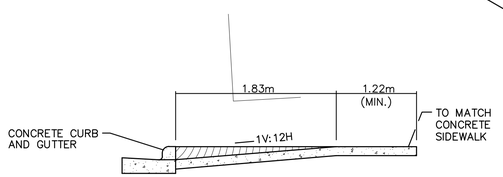
TYPICAL CURB CUT DRIVEWAY DETAIL 2
SCALE: N.T.S.



* NOTE:
1. DETAIL APPLIES AN ALL DRIVEWAYS AND ENTRANCES WITHIN THE PROJECT LIMIT, UNLESS OTHERWISE NOTED.

SECTION
SCALE: NTS
B
C702





SECTION
SCALE: NTS
C
C701

HANDICAPPED RAMP DETAIL (TYPE 1)
SCALE: N.T.S.

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DESIGNED BY:	LMR
BRA PROJECT NUMBER:	22023

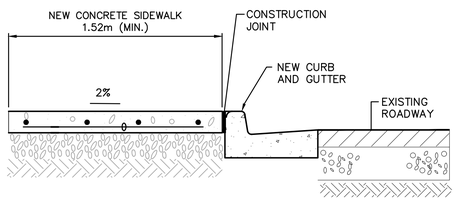
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TYPICAL
SECTIONS AND
DETAILS

SHEET ID

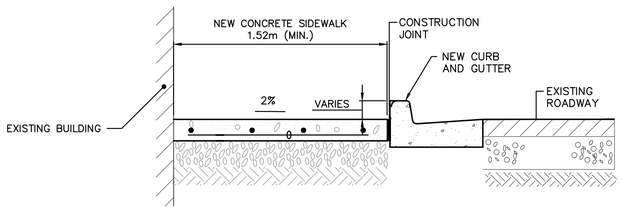
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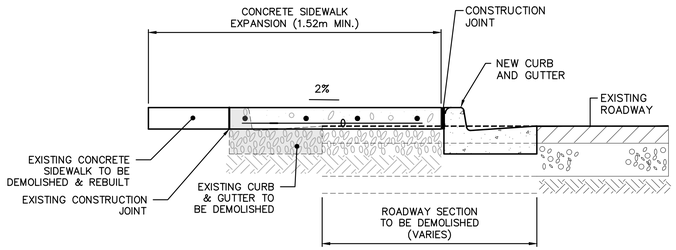
TYPICAL CONCRETE SIDEWALK RECONSTRUCTION SECTION (1)

SCALE: NTS



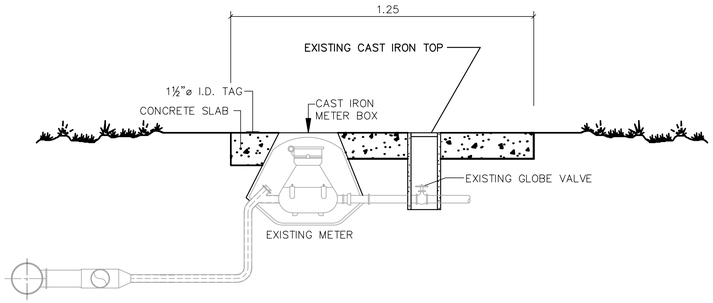
TYPICAL CONCRETE SIDEWALK RECONSTRUCTION SECTION (2)

SCALE: NTS



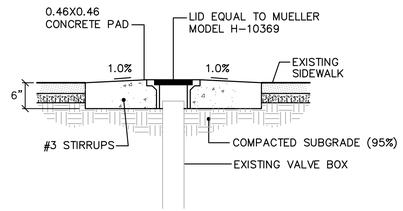
TYPICAL CONCRETE SIDEWALK EXPANSION SECTION (3)

SCALE: NTS

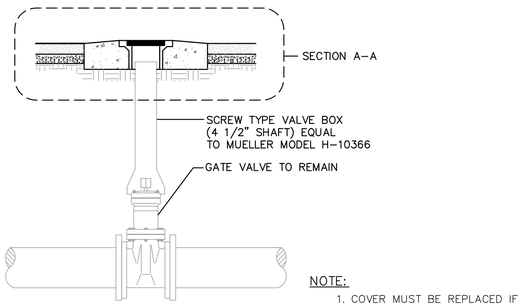


TYPICAL WATER METER (ON SIDEWALK) DETAIL

NOT TO SCALE



SECTION A–A



NOTE:

1. COVER MUST BE REPLACED IF FOUND IN POOR CONDITION

GATE VALVE (ON SIDEWALK) DETAIL

NOT TO SCALE

NOTES:

1. ALL GROUND UTILITIES TOP ELEVATIONS MUST BE RESET TO MATCH NEW SIDEWALK LEVELS.

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PROJECT INFORMATION

PR-CRP-000559
SIDEWALK IMPROVEMENTS
AROUND "PLAZA DE LOS
PROCERES"

GURABO PUERTO RICO

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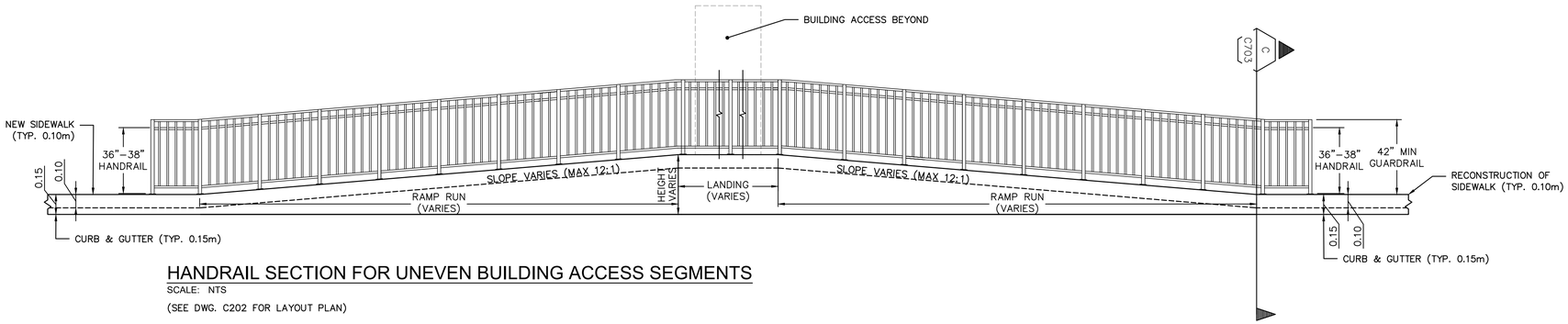
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TYPICAL
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SHEET ID

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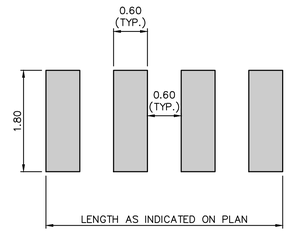
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HANDRAIL SECTION FOR UNEVEN BUILDING ACCESS SEGMENTS

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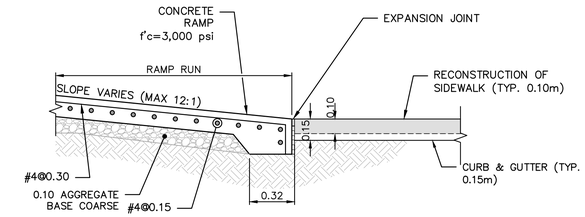
(SEE DWG. C202 FOR LAYOUT PLAN)



PLAN

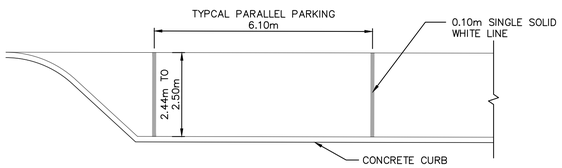
PEDESTRIAN CROSSING DETAIL

SCALE: NTS



C703 SECTION

SCALE: NTS



TYPICAL PARALLEL PARKING DETAIL

SCALE: NTS

OWNER

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PROJECT INFORMATION

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GURABO PUERTO RICO

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SHEET ID

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GENERAL NOTES:

1. NO WORK OTHER THAN MOBILIZATION, TRAFFIC CONTROL AND PROJECT OFFICE, SHALL BE PERFORMED UNTIL THE PROGRESS SCHEDULE IS APPROVED BY THE ENGINEER.

2. ALL TEMPORARY CONTROL DEVICES SHALL COMPLY WITH THE SUPPLEMENTAL SPECIFICATION NUMBER 638-"MAINTENANCE AND PROTECTION OF TRAFFIC" OF THE STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION, 2005 EDITION, AND WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES "MUTCD" 2009 (LATEST REVISED).

3. EQUIPMENT, MATERIALS AND OTHER DEVICES USED FOR CONSTRUCTION SHALL BE REMOVED FROM THE ROADWAY AFTER WORK HOURS AND SHALL BE STAGED A MINIMUM OF 10 METERS FROM THE TRAVEL WAY.

4. THE DRUM SPACING SHALL BE 2.50METERS. AN ALTERNATIVE FOR DRUMS IN NARROW STREET SEGMENTS, CONTRACTOR CAN USE ORANGE CONES, 28-IN HEIGHT MINIMUM AS PER MUTCD 2009, SECTION 6F-64.

5. ANY ALTERATION TO THE SCHEDULE THAT MAY IMPROVE TRAFFIC OPERATIONS WITHIN THE CONSTRUCTION AREA, IN ACCORDANCE WITH THE CURRENT MUTCD (2009) AND WITH NO ADDITIONAL COST TO THE AUTHORITY, SHALL BE SUBMITTED TO THE ENGINEER AT LEAST TWENTY ONE(21) CALENDAR DAYS IN ADVANCE TO THE PROPOSED DATE OF IMPLEMENTATION FOR REVIEW. IF THE PROPOSED ALTERATION IS APPROVED IT SHALL BE IMPLEMENTED AS DIRECTED BY THE ENGINEER.

6. THE CONTRACTOR CAN PERFORM, WITH THE APPROVAL OF THE ENGINEER, SEVERAL SIMULTANEOUS ACTIVITIES WITHIN A STAGE, AND AS PERMITTED BY THE CONTRACT PROPOSAL QUANTITIES ON THE TRAFFIC CONTROL ITEMS.

7. THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER THE INSTALLATION OF TEMPORARY TRAFFIC CONTROL DEVICES FOR EACH PHASE AT LEAST FOURTEEN (14) CALENDAR DAYS IN ADVANCE FOR THE RELEASE OF PUBLIC NOTICE. THE CONTRACTOR SHALL NOT COMMENCE ANY OF THE CONSTRUCTION PHASES WITHOUT A PUBLIC NOTICE IS ISSUED OR WITHOUT DIRECT CONSENT FROM THE ENGINEER.

8. THE CONSTRUCTION SIGNS INSTALLATION SHOULD BE IN ACCORDANCE TO THE TEMPORARY TRAFFIC SIGNS MOUNTING DETAILS, SHEET NO. MPT-23 OF THE PRHTA STANDARD DRAWING REV. JUNE 2012.

9. THE CONTRACTOR SHALL FURNISH TEMPORARY TRAFFIC CONTROL DEVICES THAT MEET THE NATIONAL COOPERATIVE HIGHWAY RESEARCH PROGRAM REPORT (NCHRP) 350 CRITERIA FOR THE APPLICABLE CRASH WORTHINESS STANDARD.

10. ALL TRAFFIC CONTROL SIGNS DETERMINED BY THE ENGINEER TO BE UNNECESSARY FOR THE APPLICABLE CONSTRUCTION OPERATION SHALL BE IMMEDIATELY COVERED IN ITS ENTIRETY WITH NON ABRASIVE MATERIAL AND SHALL BE INSPECTED DURING DAY AND NIGHT TIME TO ENSURE THAT THE SIGN IS NOT READABLE. THIS WORK IS A SUBSIDIARY OBLIGATION OF THE CONTRACT UNDER EXISTING PAY ITEMS.

11. DURING THE CONSTRUCTION OPERATIONS, THE CONTRATOR SHALL TAKE ALL THE NECESSARY PRECAUTIONS AND MEASURES TO AVOID FALLING DEBRIS, TOOLS, EQUIPMENT OR ANY OTHER MATERIALS INTERFERE OR IMPACT THE MOTORING PUBLIC IN THE ROADWAY. ALL THE MATERIALS, LABOR EQUIPMENT, AND WORK NECESSARY FOR IMPLEMENTING THIS REQUIREMENT IS SUBSIDIARY OBLIGATION OF THE CONTRACT UNDER EXISTING PAY ITEMS.

12. THE CONTRACTOR SHALL MAINTAIN ACCESS AT ALL TIMES TO ADJACENT PROPERTIES DURING CONSTRUCTION. THIS WORK WILL REQUIRE COORDINATION WITH BUSINESSES AND PRIVATE OWNERS. ALL THE MATERIALS, LABOR, EQUIPMENT, AND WORK NECESSARY FOR IMPLEMENTING THIS REQUIREMENT IS SUBSIDIARY OBLIGATION OF THE CONTRACT UNDER EXISTING PAY ITEMS.

13. NO EXCAVATION AND/OR PAVEMENT DROP-OFF SHALL REMAIN OPEN WITHIN THE TRAVELED WAY WHEN THE CONTRACTOR OR ITS PERSONNEL IS NOT WORKING AND PHYSICALLY PRESENT AT THE WORK SITE.

14. IN CASE THAT THE WORKS AFFECTED THE EXISTING LUMINARY THE CONRACTOR SHALL PROVIDE ADEQUATE ILLUMINATION IN THE AFFECTED AREA BUT THE GLARE OF THE SAME NO AFFECT THE VISIBILITY OF THE DRIVERS.

15. THE CONTRACTOR SHALL RETURN ALL AREAS DISTURBED BY TEMPORARY DETOURS TO THEIR ORIGINAL STATE.

15. RELOCATE ALL UTILITIES PRIOR TO THE PERFORMANCE OF ANY CONSTRUCTION PHASE. THIS ACTIVITY SHALL BE CLOSELY COORDINATED WITH THE CORRESPONDING UTILITY AGENCIES AND DTOP REGIONAL OFFICE SO AS TO PERMIT THE CONSTRUCTION AS SCHEDULED.

16. ALL TRENCH EXCAVATIONS MUST BE BACKFILLED THE SAME DAY BY THE END OF THE WORKSHIFT. IF NOT, THE TRENCH SHALL BE COVERED WITH A SUITABLE STEEL PLATE.

17. ALL TRAFFIC CONTROL DEVICES SHALL BE CLEANED, REPAINTED, REFLECTORIZED OR REPLACED AS NECESSARY TO PROVIDE ADEQUATE VISIBILITY AND LEGIBILITY AT ALL TIMES.

18. THE PUERTO RICO HIGHWAY AND TRANSPORTATION AUTHORITY IT DOES RESERVES THE RIGHT TO STOP THE WORKS AT ANY TIME IF THE CONTRACTOR DO NOT COMPLY WITH THE MAINTENANCE OF TRAFFIC AND THE SAFETY REGULATIONS.

CONSTRUCTION SCHEDULE

THE FOLLOWING CONSTRUCTION SCHEDULE AND SPECIAL INSTRUCTIONS SHALL BE FOLLOWED, IN ORDER TO MAINTAIN TRAFFIC FLOW WITH "THE LEAST POSSIBLE INTERFERENCE FROM CONSTRUCTION OPERATIONS".

TYPICAL APPLICATIONS ARE SUBMITTED FOR THE TEMPORARY TRAFFIC CONTROL ACTIVITIES FOR A VARIETY OF SITUATIONS COMMONLY ENCOUNTERED. IT IS REQUIRED FROM THE ENGINEER TO ADJUST THESE GUIDELINES TO FIELD CONDITIONS.

SPECIFIC SITUATIONS NOT COVERED BY THESE APPLICATIONS SHALL BE BROUGHT UP TO THE ENGINEER FOR APPROPIATE DIRECTION AND CLARIFICATION 10 DAYS BEFORE THE BEGINNING OF THE CONSTRUCTION WORK IN THAT AREA.

CONSTRUCTION:

1. IMPLEMENT THE WORK ZONE TEMPORARY TRAFFIC CONTROL IN ACCORDANCE WITH THE MAINTENANCE OF TRAFFIC INDICATED ON THE PLANS

2. THE DETAILS SHOWN SHALL BE USED IN BOTH DIRECTIONS.

TRAFFIC:

1. THE TRAFFIC WILL BE FLOWING AS INDICATED ON THE MAINTENANCE OF TRAFFIC USED FOR THE CONSTRUCTION AREA.

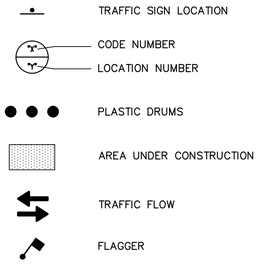
2. ALL WORK TO BE PERFORMED SHALL BE COORDINATED WITH THE TRAFFIC ENGINEERING OFFICE PERSONNEL.

3. NO WORK SHALL BE ALLOWED DURING PEAK HOURS. THE PEAK HOURS ARE DEFINED AS 7:00 AM - 8:00 AM AND 3:00 PM - 5:00 PM FROM MONDAY TO THURSDAY AND 7:00 AM - 8:00 AM AND 3:00 PM - 7:00 PM ON FRIDAYS.

4. ALL ACTIVITIES PROPOSED FOR THE PROJECT THAT AFFECT THE NORMAL FLOW OF TRAFFIC, SHALL BE COORDINATED WITH ALL PROJECTS THAT ARE WITHIN A COVERAGE RADIUS OF TWO MILES OF THE WAY SO THAT THEY DO NOT AFFECT EACH OTHER.

5. THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER THE ACCESS POINTS FOR CONSTRUCTION VEHICLES. INSTALL SIGN W8-6 (TRUCK CROSSING - 36" X 36") TO ALERT ROAD USERS OF LOCATIONS WHERE UNEXPECTED TRAVEL BY CONSTRUCTION VEHICLES MIGHT OCCUR.

LEGEND:



DISTANCE BETWEEN SIGNS

ROAD	A	B	C
PR-943	100FT (30m)	100FT (30m)	100FT (30m)
MUNICIPAL ROAD	100FT (30m)	100FT (30m)	100FT (30m)

DISTANCE FOR TEMPORARY TRAFFIC CONTROL ZONE (mts)

SPEED LIMIT	TAPER	BUFFER	TERMINATION AREA
25MPH	50FT (15m)	115FT (35m)	50FT (15m)

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PROJECT INFORMATION

PR-CRP-000559
SIDEWALK IMPROVEMENTS AROUND "PLAZA DE LOS PROCERES"

GURABO PUERTO RICO

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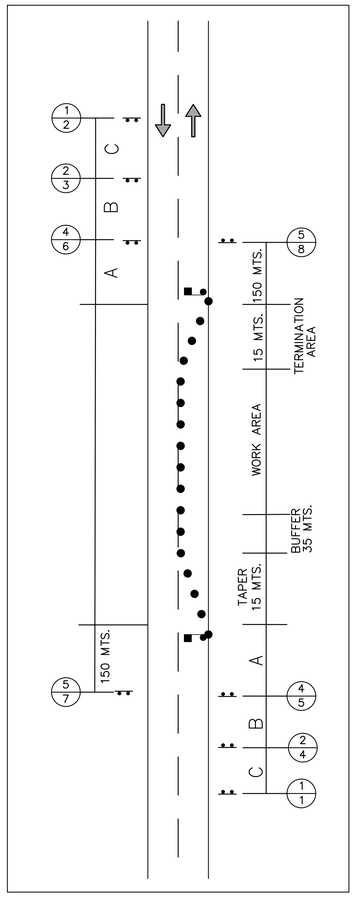
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SHEET ID

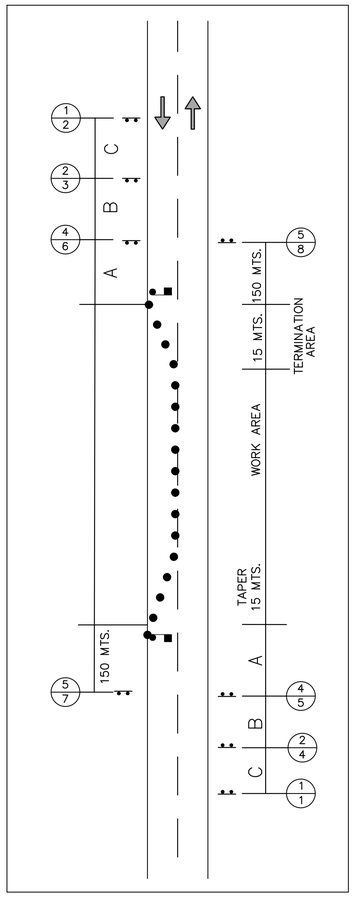
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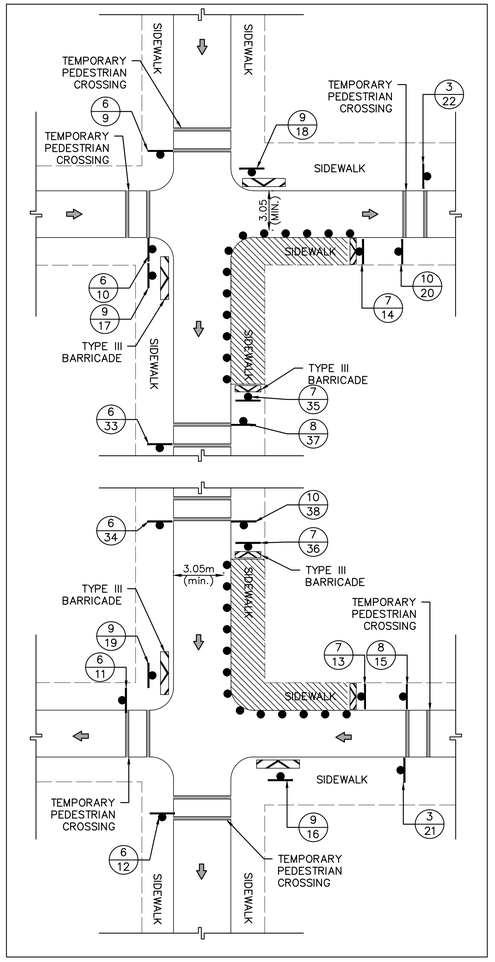
TYPICAL APPLICATION I
RIGHT LANE CLOSURE



TYPICAL APPLICATION II
LEFT LANE CLOSURE



TYPICAL APPLICATION III
PEDESTRIAN CROSSING CLOSURE AND DETOURS



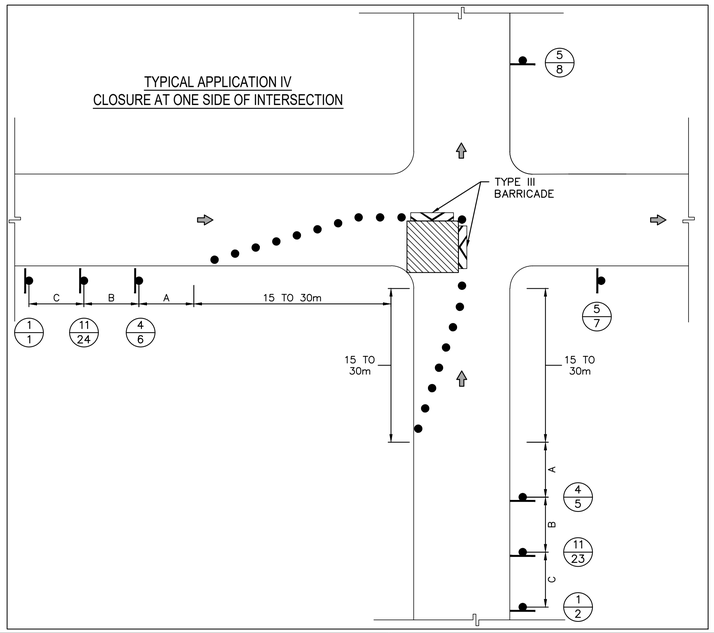
LEGEND:

- TRAFFIC SIGN LOCATION
- CODE NUMBER / LOCATION NUMBER
- PLASTIC DRUMS
- AREA UNDER CONSTRUCTION
- TRAFFIC DIRECTION
- FLAGGER
- TYPE 3 BARRICADE

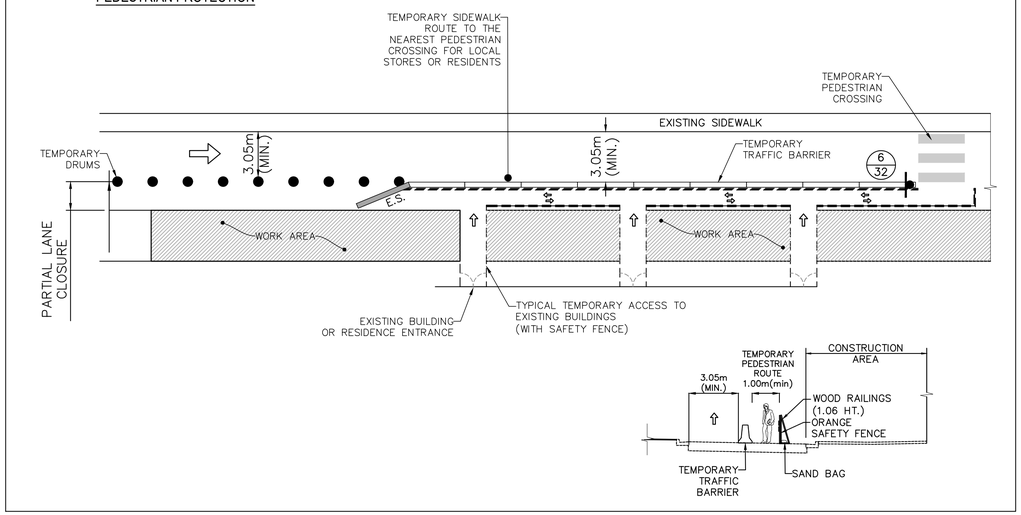
NOTES:

1. FOR MAINTENANCE OF TRAFFIC NOTES & LEGEND REFER TO MOT–1.
2. MAINTENANCE OF TRAFFIC APPLICATIONS SHALL COMPLY WITH MUTCD 2009 MANUAL.
3. TEMPORARY PEDESTRIAN ACCESS TOWARDS BUILDING SHALL BE AT THE CONTRACTOR'S DISCRETION.
4. REFER TO DWG. MOT–5/6 FOR CONSTRUCTION SIGNS TABLE & SIGN DESIGN.

TYPICAL APPLICATION IV
CLOSURE AT ONE SIDE OF INTERSECTION



TYPICAL APPLICATION V
PEDESTRIAN PROTECTION



OWNER

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YO, LUZ M. RODRIGUEZ TORRES, LIC. 17504, CERTIFICO QUE SOY EL PROFESIONAL QUE CONFECCIONÓ Y/O DISEÑÓ Y/O PREPARÓ ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIÉN CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE 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 NÚM. 14 DEL 8 DE ENERO DE 2004, SEGÚN ENMENDADA, CONOCIDA COMO LEY PARA LA INVERCIÓN POR LA INDUSTRIA PUERTORRIQUEÑA Y CON LA (LEY NÚM. 319 DEL 15 MAYO DE 1938 , SEGÚN ENMENDADA; LEY NÚM. 96 DEL 6 DE JULIO DE 1978, SEGÚN ENMENDADA; SEGÚN APLIQUE). RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIONES DE LOS HECHOS QUE SE HAYA PRODUCIDO POR DESCONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MÍ, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR LA OGPE.

PROJECT INFORMATION

PR-CRP-000559
SIDEWALK IMPROVEMENTS AROUND "PLAZA DE LOS PROCERES"

GURABO PUERTO RICO

REVISIONS

NO.	DESCRIPTION	DATE
a	30% DESIGN DRAWINGS	03/01/23
b	60% DESIGN DRAWINGS	03/23/23
c	90% DESIGN DRAWINGS	06/15/23
d	90% REV DESIGN DRAWINGS	01/25/24

DATE ISSUED:	03/22/23
REVIEWED BY:	LMR
DRAWN BY:	AMC
DESIGNED BY:	LMR
BRA PROJECT NUMBER:	22023

SHEET TITLE

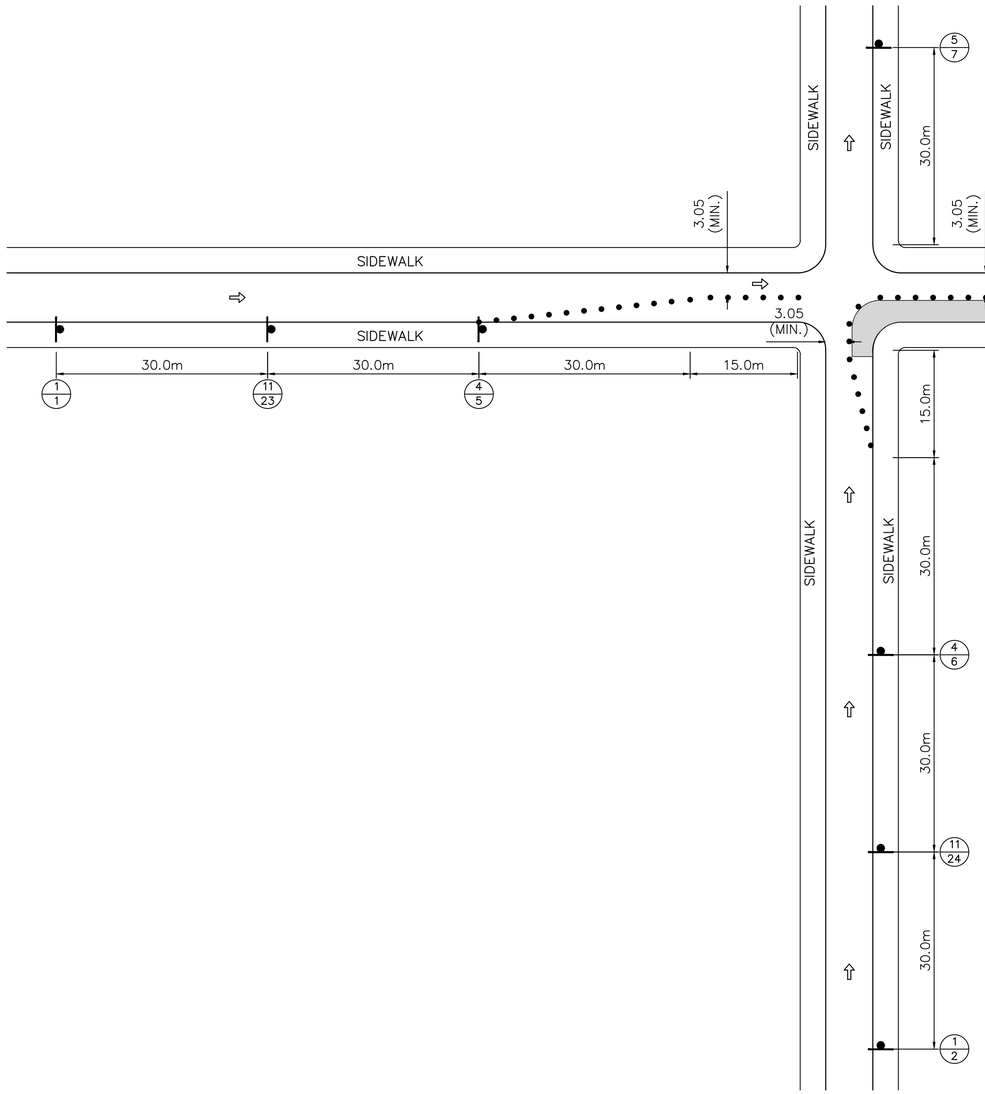
MAINTENANCE OF TRAFFIC TYPICAL APPLICATIONS

SHEET ID

MOT2

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TYPICAL APPLICATION 6
CLOSURE AT INTERSECTION



LEGEND:

- TRAFFIC SIGN LOCATION
- CODE NUMBER
- LOCATION NUMBER
- PLASTIC DRUMS
- AREA UNDER CONSTRUCTION
- TRAFFIC DIRECTION
- FLAGGER
- TYPE 3 BARRICADE

NOTES:

1. FOR MAINTENANCE OF TRAFFIC NOTES & LEGEND REFER TO MOT–1.
2. MAINTENANCE OF TRAFFIC APPLICATIONS SHALL COMPLY WITH MUTCD 2009 MANUAL.
3. REFER TO DWG. MOT–5 FOR CONSTRUCTION SIGNS TABLE.

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PR-CRP-000559
SIDEWALK IMPROVEMENTS
AROUND "PLAZA DE LOS PROCERES"

GURABO — PUERTO RICO

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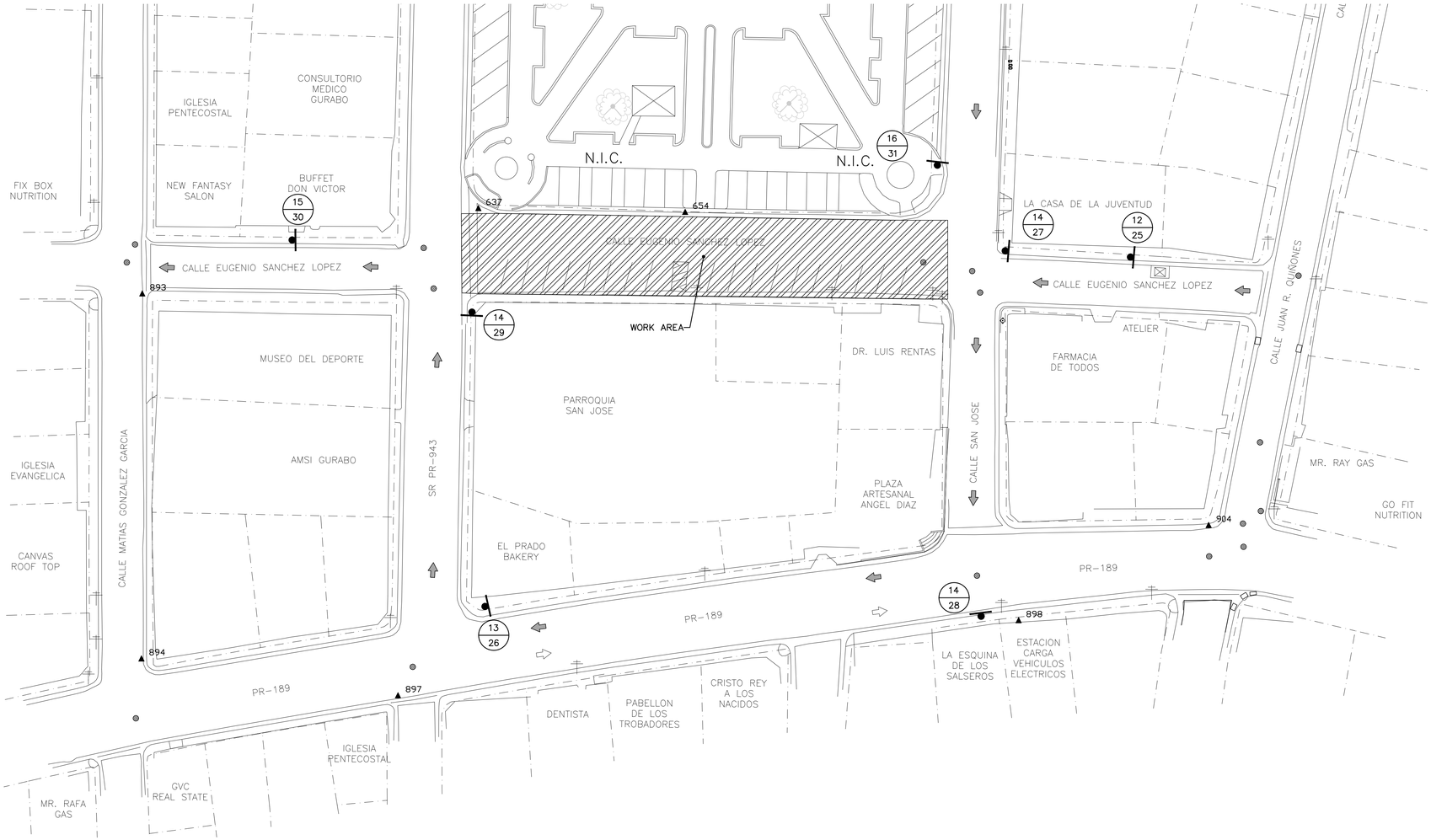
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MAINTENANCE OF TRAFFIC TYPICAL APPLICATIONS

SHEET ID

MOT3

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N

MAINTENANCE OF TRAFFIC - DETOUR PLAN

SCALE: 1:300

2 0 5 10 15m

SCALE: 1:300

LEGEND:

N.I.C.	NOT IN CONTRACT
X / XX	SIGN CODE / SIGN LOCATION
	CONSTRUCTION SIGN
	DETOUR ROUTE
	WORK AREA

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DATE ISSUED:	06/14/23
REVIEWED BY:	LMR
DRAWN BY:	AMC
DESIGNED BY:	LMR
BRA PROJECT NUMBER:	22023

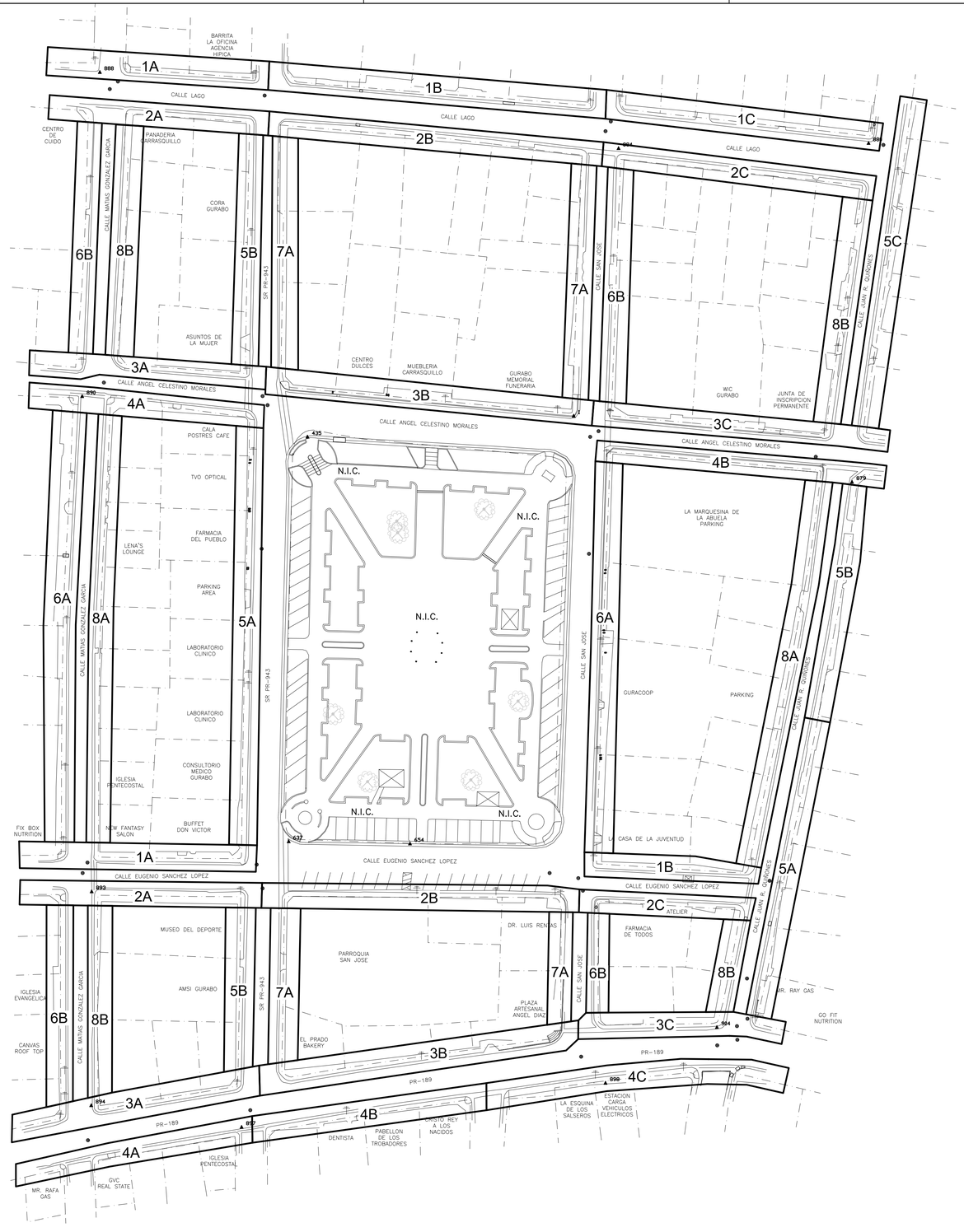
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MAINTENANCE OF TRAFFIC DETOUR PLAN

SHEET ID

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PHASE ID	SUB-PHASE	STREET NAME	SIDEWALK SECTION
1	1A, 1B, 1C	CALLE LAGO	NORTH SECTION
	1A, 1B	CALLE EUGENIO SANCHEZ	NORTH SECTION
2	2A, 2B, 2C	CALLE LAGO	SOUTH SECTION
	2A, 2B, 2C	CALLE EUGENIO SANCHEZ	SOUTH SECTION
3	3A, 3B, 3C	CALLE ANGEL CELESTINO MORALES	NORTH SECTION
	3A, 3B, 3C	PR-189	NORTH SECTION
4	4A, 4B	CALLE ANGEL CELESTINO MORALES	SOUTH SECTION
	4A, 4B, 4C	PR-189	SOUTH SECTION
5	5A, 5B	PR-943	WEST SECTION
	5A, 5B, 5C	CALLE JUAN R. QUIÑONES	EAST SECTION
6	6A, 6B	CALLE MATIAS GONZALEZ GARCIA	WEST SECTION
	6A, 6B	CALLE SAN JOSE	EAST SECTION
7	7A	PR-943	EAST SECTION
	7A	CALLE SAN JOSE	WEST SECTION
8	8A, 8B	CALLE JUAN R. QUIÑONES	WEST SECTION
	8A, 8B	CALLE MATIAS GONZALEZ GARCIA	EAST SECTION

NOTES:

1. REFER TO MOT-02/03 FOR TYPICAL APPLICATIONS AND MOT-4 FOR DETOUR PLAN.
2. CONSTRUCTION SEQUENCE SUGGESTED FOR RECONSTRUCTION OF SIDEWALKS (DEMOLITION AND CONSTRUCTION). THE ORDER OF PHASES CAN BE MODIFIED AS COORDINATED BY THE CONTRACTOR.
3. CONSTRUCTION SEQUENCE CONSIDERED TO PROVIDE A PEDESTRIAN ROUTE ON AT LEAST ONE SIDE OF THE SIDEWALK. CONTRACTOR IS RESPONSIBLE TO PROVIDE A SAFE ACCESS TO RESIDENCIES AND BUILDINGS DURING THE CONSTRUCTION PHASE.

N

CONSTRUCTION SEQUENCE PLAN

SCALE: 1:500

5 0 5 10 15 20

SCALE: 1:500

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PR-CRP-000559
SIDEWALK IMPROVEMENTS AROUND "PLAZA DE LOS PROCERES"

GURABO PUERTO RICO

REVISIONS

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DATE ISSUED:	06/14/23
REVIEWED BY:	LMR
DRAWN BY:	AMC
DESIGNED BY:	LMR
BRA PROJECT NUMBER:	22023

SHEET TITLE

CONSTRUCTION SEQUENCE PLAN

SHEET ID

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Project Name: PR-CRP-000549 - Rehabilitación Plaza de los Proceres de Gurabo; and PR-CRP-000559 -Remodelación de aceras alrededor de la Plaza de los Próceres de Gurabo
Location: Angel C. Morales St., San Jose St., Eugenio Sánchez Lopez St., and PR-943 (Plaza); Lago St., Matías Gonzalez St., Angel C. Morales St., PR-943, San Jose St., Juan R. Quinones St., Eugenio Sánchez Lopez St., Santiago, St., and PR-189 (Sidewalks), Gurabo, Puerto Rico
Lat/Long: 18.25557500, -65.97238475

EXHIBIT NO.10 SOLE SOURCE AQUIFERS (SSA)



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0 0.05 0.1 0.2 km
Esri, HERE, Garmin, iPC, Maxar

U.S. Environmental Protection Agency



3/30/2023, 8:18:59 PM

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Esri, HERE, Garmin, Earthstar Geographics

U.S. Environmental Protection Agency

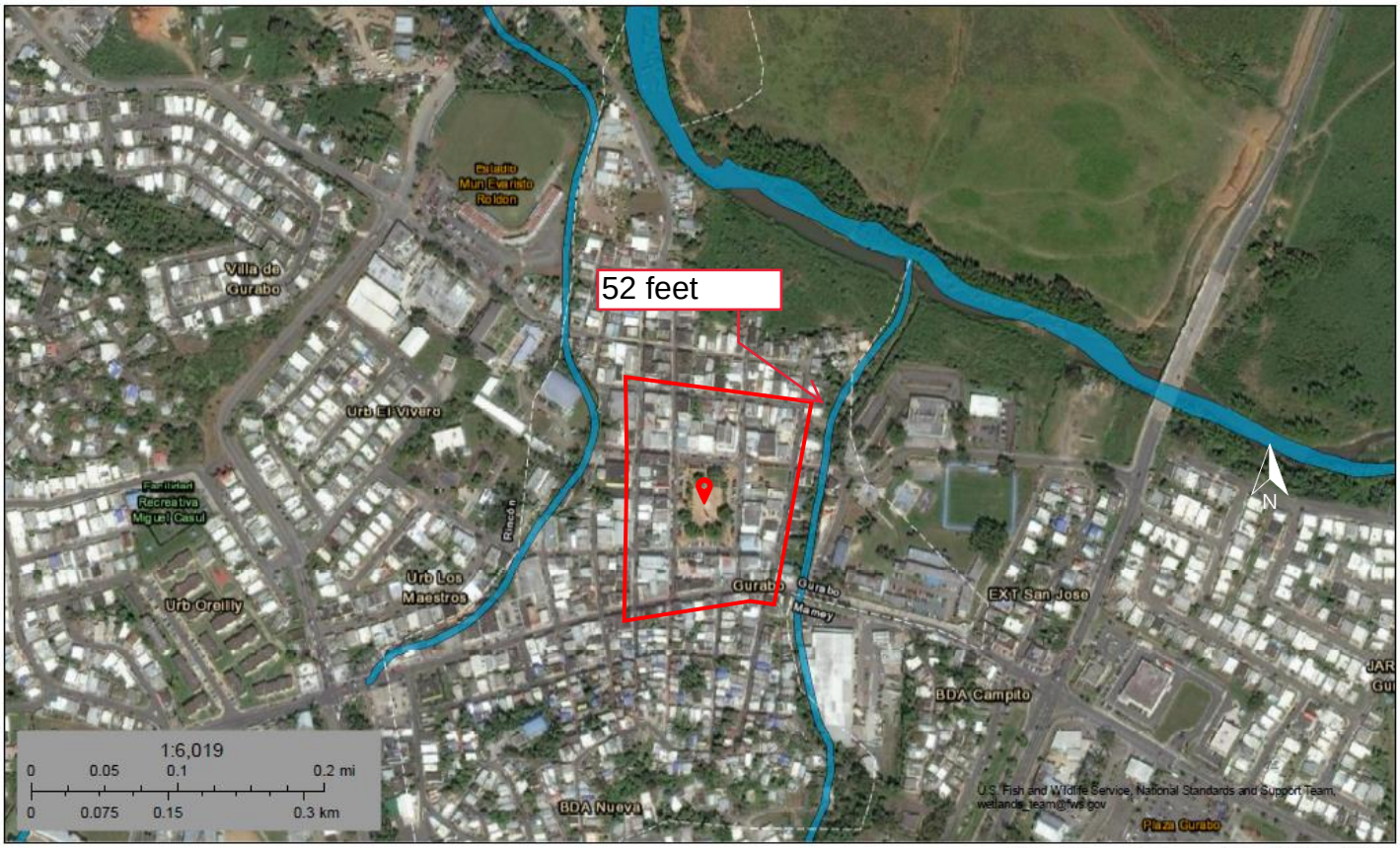
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Company: Benítez Ramos & Associates, LLC
Date: 03/30/2023

Project Name: PR-CRP-000549 - Rehabilitación Plaza de los Proceres de Gurabo; and PR-CRP-000559 -Remodelación de aceras alrededor de la Plaza de los Próceres de Gurabo
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Lat/Long: 18.25557500, -65.97238475

EXHIBIT NO.11 WETLANDS PROTECTION

U.S. Fish and Wildlife Service
National Wetlands Inventory

Wetlands



January 22, 2023

Wetlands

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

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

N

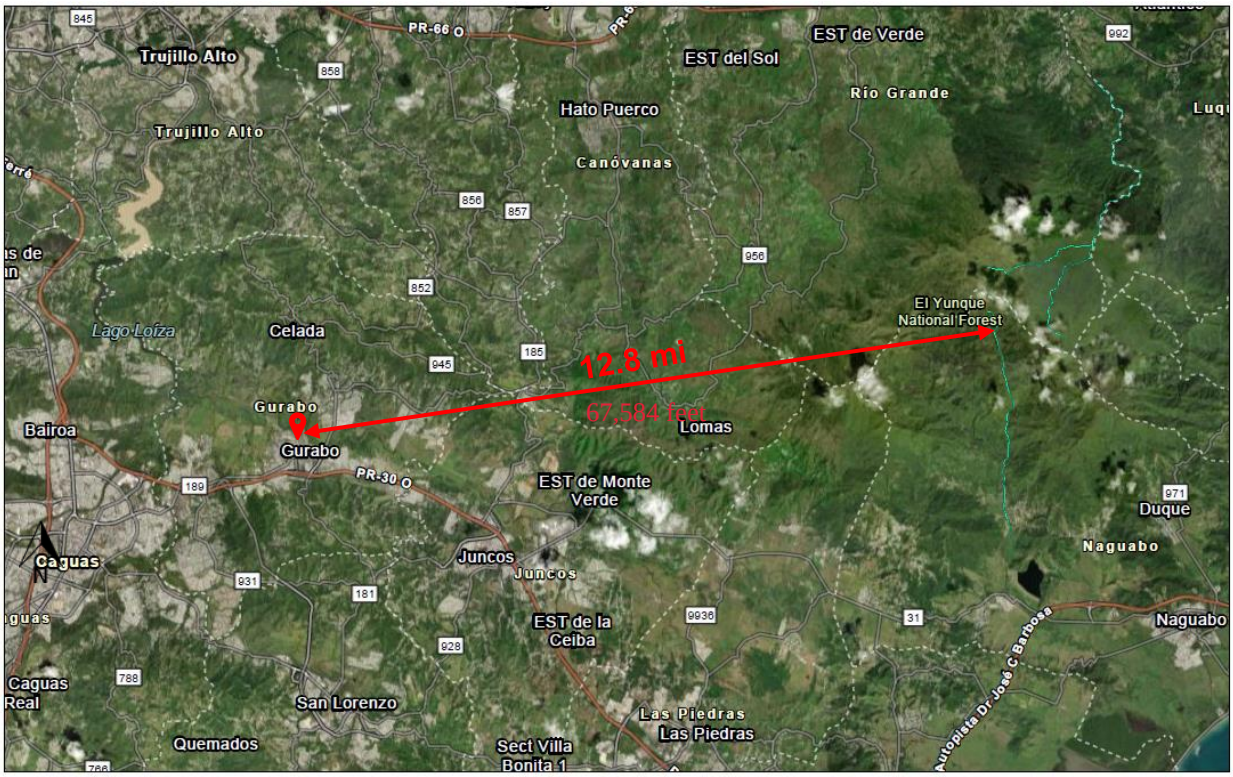
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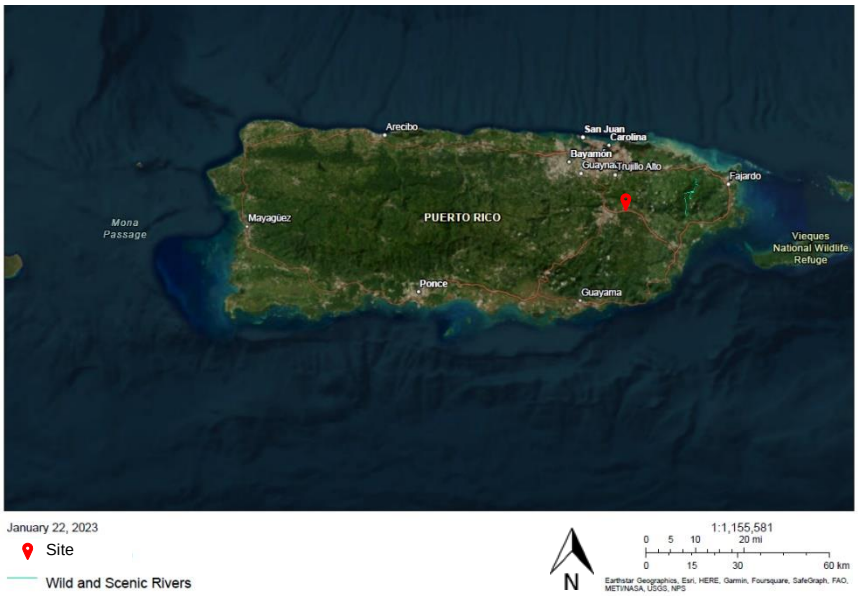
National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

Source: https://fwsprimary.wim.usgs.gov/wetlands/apps/wetlands-mapper/
Company: Benítez Ramos & Associates, LLC
Date: 01/22/2023

Project Name: PR-CRP-000549 - Rehabilitación Plaza de los Proceres de Gurabo; and PR-CRP-000559 -Remodelación de aceras alrededor de la Plaza de los Próceres de Gurabo
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Lat/Long: 18.25557500, -65.97238475

EXHIBIT NO.12 WILD AND SCENIC RIVERS

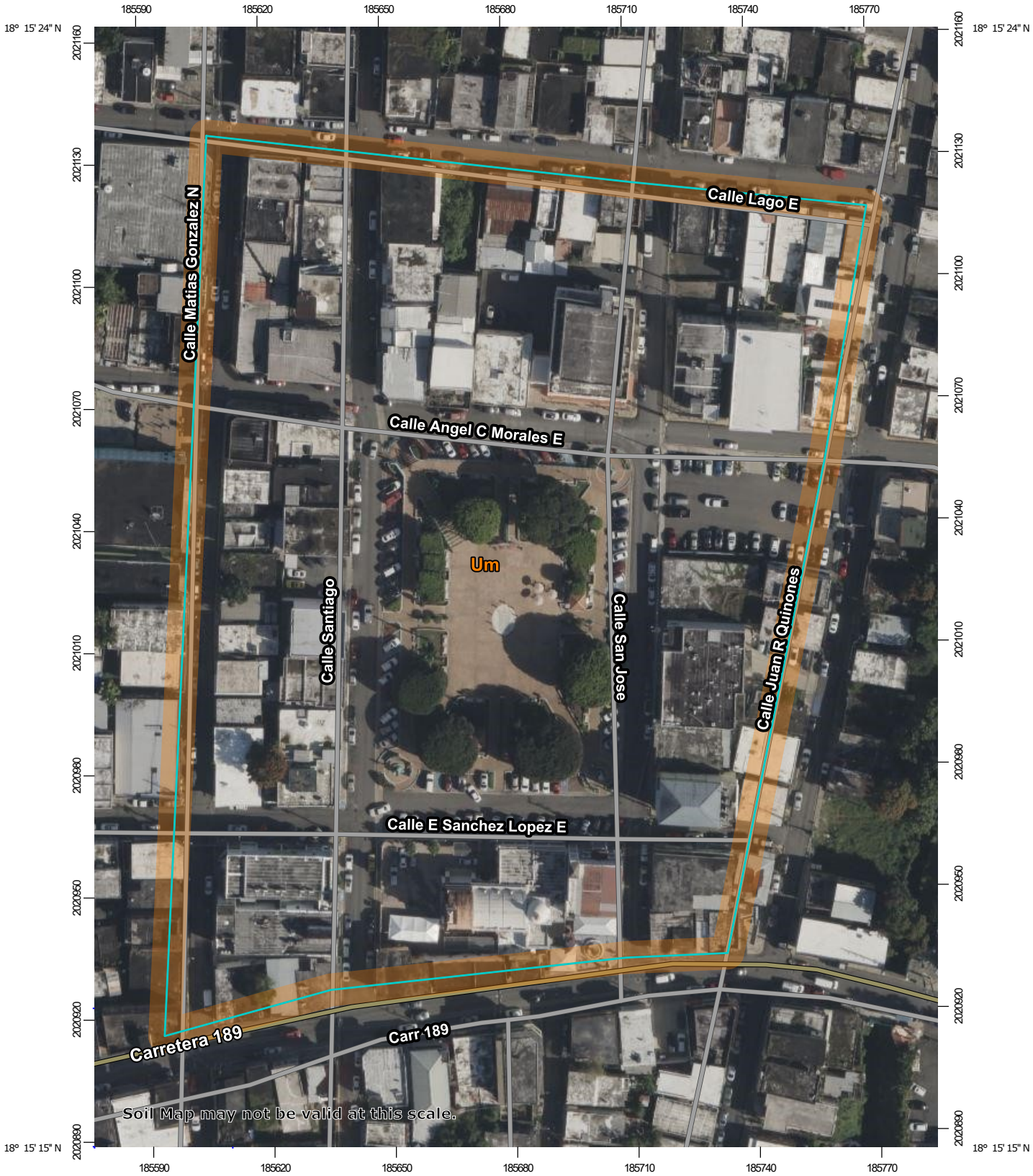




Source: https://nepassisttool.epa.gov/nepassist/nepamap.aspx
Company: Benítez Ramos & Associates, LLC
Date: 01/22/2023

Project Name: PR-CRP-000549 - Rehabilitación Plaza de los Proceres de Gurabo; and PR-CRP-000559 -Remodelación de aceras alrededor de la Plaza de los Próceres de Gurabo
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Lat/Long: 18.25557500, -65.97238475

EXHIBIT 13 - SOIL MAP



Map Scale: 1:1,340 if printed on A portrait (8.5" x 11") sheet.

N

Meters: 0 15 30 60 90

Feet: 0 50 100 200 300

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 20N WGS84

https://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx

MAP LEGEND

Area of Interest (AOI)

- Area of Interest (AOI)

Soils

- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features

- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features

- Streams and Canals

Transportation

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

Background

- Aerial Photography

MAP INFORMATION

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

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

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

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

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

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

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

Soil Survey Area: San Juan Area, Puerto Rico
Survey Area Data: Version 18, Sep 10, 2024

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

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

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

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
Um	Urban land-Mucara complex, 12 to 40 percent slopes	7.5	100.0%
Totals for Area of Interest		**7.5**	**100.0%**

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Lat/Long: 18.25557500, -65.97238475

EXHIBIT 14 - Landslide Risk Map



Legend

Landslide Risk

- Low
- Moderate
- High
- Very High
- Project Area

0 0.04 0.09 0.17 mi

N W E S

https://usgs.maps.arcgis.com/apps/webappviewer/index.html?id=10506ecc7f15491daee17647f19248ee

10/30/2024 2:56 PM