



U.S. Department of Housing and Urban  
Development

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

### Project Information

**Project Name:** CAMPO DE SOCCER (PR-CRP-000518)

**Responsible Entity:** Puerto Rico Department of Housing

**State/Local Identifier:** Puerto Rico / Cabo Rojo

**Preparer:** Sol V Rosa

**Certifying Officer Name and Title:** Juan Carlos Pérez-Bofill - Director, Disaster Recovery, CDBG-DR; Aldo Rivera, Assistant Deputy Director; Ángel G. López Guzmán - Deputy Director, Permits and Environmental Compliance Specialist; Sally Z. Acevedo-Cosme - Permits and Environmental Compliance Specialist; Pedro de León Rodríguez - Permits and Environmental Compliance Specialist; María T. Torres- Bregón - Permits and Environmental Compliance Specialist; Ivelisse Lorenzo Torres - Permits and Environmental Compliance Specialist; Santa Ramírez Lebrón - Permits and Environmental Compliance Specialist; Janette I. Cambrelen - Permits and Environmental Compliance Specialist; Limary Vélez Marrero - Permits and Environmental Compliance Specialist; Mónica Machuca Ríos - Permits and Environmental Compliance Specialist.

**Grant Recipient** (if different from Responsible Entity): Puerto Rico Department of Housing

**Consultant** (if applicable): Angel Garcia PE, Sr. Environmental Engineer at AG  
Environmental PSC ([angel@agepr.com](mailto:angel@agepr.com))

**Direct Comments to:** Puerto Rico Department of Housing ([environmentcdbg@vivienda.pr.gov](mailto:environmentcdbg@vivienda.pr.gov))

**Project Location:** Work sites are near the Road 312 Km. 0.4 Interior, Monte Grande Ward, Cabo Rojo, PR 00623, coordinates 18.080846, -67.147264. Refer to Figure 1 in Appendix B.

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

The Municipality of Cabo Rojo proposed a new soccer field at the Rebekah Colberg Sports Complex. The site is located at Monte Grande Ward, road PR-312 Km 0.4 interior, Cabo Rojo, PR, 00623. The land is mostly classified as Urban Land. The site is qualified as DA: Open Endowment district, which is compatible with the proposed use. The project area is located at two lot cadaster numbers 332-037-092-03 and 332-000-004-51 owned by the Municipality of Cabo Rojo. The proposed activity will be developed on an area of approximately 2.3 acres. the construction of a new soccer field to be built as part of a recreational project in the location of an existing BMX track. The project includes the construction of a new soccer field with the minimum dimensions required by FIFA standards, four lighting poles with minimum FIFA standards, and a retaining wall. A building to contain office space, a storage area, two locker rooms with bathrooms, two additional bathrooms for visitors, and space for food concession will be constructed east of the soccer field. A covered area with a metal roof for spectator bleachers that will also be built to the east of the soccer field. It includes signage and regreen of landscaping. The project includes infrastructure such as a 112 KVA "trans closure" type substation to supply electricity to the soccer field and the accessory building and the construction of a new concrete pad for future installation of a power emergency generator.

Outside the old track there is currently a concrete sidewalk which will not be intervened. The fill and concrete debris layer will be removed and relocated in accordance with the design to level the park ground and minimize the size of the retaining wall. Refer to Appendix B for the location map.

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

The proposed project seeks to satisfy the demand for soccer facilities in the Cabo Rojo area and other municipalities in the southwest of Puerto Rico. The project is proposed at a former BMX racetrack, located within the existing Rebekah Colberg Sports Complex. The proposed action will also expand the sports facilities availability at said sports complex and may provide access to this sport to residents of nearby low-income communities.

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

The project consists of the construction of a soccer field on a portion of land located within the existing Rebekah Colberg Sports Complex. The project is compatible with the current surrounding uses, which are mostly recreational. No other improvements are proposed in the surrounding areas to this sport complex, mostly characterized by low-income single family and multifamily residential developments.

**Funding Information**

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

**Estimated Total HUD Funded Amount:** \$4,206,239.54

**Estimated Total Project Cost** (HUD and non-HUD funds) [24 CFR 58.32(d)]: \$4,206,239.54

**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.

<b>Compliance Factors:</b> Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5 and §58.6	Are formal compliance steps or mitigation required?	Compliance determinations
<b>STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 50.4 and 58.6</b>		
<b>Airport Hazards</b>  24 CFR Part 51 Subpart D	Yes    No <input type="checkbox"/> <input checked="" type="checkbox"/>	The closest civil airport to the Project site is Eugenio María de Hostos Airport 61,248 ft north of the project site. The closest military airport is the Coast Guard Air Station Borinquen which is collocated with the Rafael Hernandez Airport 149,740 feet north of the project site. The project is not located within 15,000 feet of a military airport, or 2,500 feet of a civilian airport. The Project is in compliance with Airport Hazards regulation 24 CFR Part 51 Subpart D. Refer to worksheet in Appendix A and Figure 2 in Appendix B.
<b>Coastal Barrier Resources</b>  Coastal Barrier Resources Act, as amended by the Coastal Barrier Improvement Act of 1990 [16 USC 3501]	Yes    No <input type="checkbox"/> <input checked="" type="checkbox"/>	The Project site is not located in or adjacent to a CBRS Unit. The nearest unit is approximately 12,144 ft to the southwest. The Project is in compliance with Coastal Barrier Resources Coastal Barrier Resources Act, as amended by the Coastal Barrier Improvement Act of 1990 [16 USC 3501]. Refer to worksheet in Appendix A and Figure 3 in Appendix B.
<b>Flood Insurance</b>  Flood Disaster Protection Act of 1973 and National Flood Insurance Reform Act of 1994 [42 USC 4001-4128 and 42 USC 5154a]	Yes    No <input type="checkbox"/> <input checked="" type="checkbox"/>	The project site is not located in a 100-year floodplain per Floodplain Insurance Maps 72000C1535J, effective date November 18, 2009. No flood insurance is needed. The project is in compliance with the Flood Disaster Protection Act of 1973 and National Flood Insurance Reform

		Act of 1994 [42 USC 4001-4128 and 42 USC 5154a]. Refer to worksheet in Appendix A and Figure 4 in Appendix B.
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<b>STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 50.4 &amp; 58.5</b>		
<p><b>Clean Air</b></p> <p>Clean Air Act, as amended, particularly section 176(c) &amp; (d); 40 CFR Parts 6, 51, 93</p>	<p>Yes    No</p> <p><input type="checkbox"/>   <input checked="" type="checkbox"/></p>	<p>The proposed project is located in the municipality of Cabo Rojo, which is in attainment status for all criteria pollutants per the EPA list of NAAQS criteria pollutants for all Puerto Rico Municipalities. Municipalities in nonattainment or maintenance areas include Arecibo, Bayamón, Cataño, Guaynabo, Salinas, San Juan, and Toa Baja. This project is in compliance with the Clean Air Act, as amended, particularly section 176(c) &amp; (d); 40 CFR Parts 6, 51, 93. Refer to worksheet in Appendix A and Figures 5 &amp; 5A in Appendix B.</p>
<p><b>Coastal Zone Management</b></p> <p>Coastal Zone Management Act, sections 307(c) &amp; (d)</p>	<p>Yes    No</p> <p><input type="checkbox"/>   <input checked="" type="checkbox"/></p>	<p>The project site is located about 3,272 feet west from the Coastal Zone Land Boundary. Therefore, the project is in compliance with the Coastal Zone Management Act, sections 307(c) and (d). Refer to worksheet in Appendix A and Figure 6 in Appendix B.</p>
<p><b>Contamination and Toxic Substances</b></p> <p>24 CFR Part 50.3(i) &amp; 58.5(i)(2)</p>	<p>Yes    No</p> <p><input type="checkbox"/>   <input checked="" type="checkbox"/></p>	<p>The new construction will be located over an abandoned BMX off-road bicycle track built c2010, filled with a layer of backfill. The layer of backfill and debris will be removed as part of the project and will be transferred to use for leveling the ground under the soccer field and minimize the size of the retaining wall that is needed. No structure demolition will be conducted. During the visual inspection field conducted on February 9<sup>th</sup>, 2023, no lead-based paint or asbestos material was identified.</p> <p>A review of U.S. Environmental Protection Agency (EPA) databases, including Resource Conservation and Recovery Act Information, air pollution data, National Pollutant Discharge Elimination System, Toxics Release Inventory, Superfund Enterprise Management System, Brownfields Assessment, Cleanup and Redevelopment Exchange System, and Toxic Substances Control Act was undertaken to determine if any sites of concern were located within an approximate 3,000-foot radius of the project site. A review of EPA's NEPAAssist tool showed there a no records of toxic, hazardous, or</p>



		<p>radioactive substance on Project Site. One (1) Toxic Release Inventory (TRI) and five (5) RCRA sites were identified within 3,000 feet of the Project site. There is one (1) NPDES, one (1) ICIS-AIR and one (1) Superfund (NPL) listings within 3000 feet of the project site. These sites do not have any releases reported or any EPA formal or informal action reported for the last five years.</p> <p>The project will not involve residents or increase in occupancy of any structure. There would be no increase in risk associated with the proposed project. Because the proposed project would not add sensitive receptors or increase density, the nearby sites of concern are not expected to result in contamination or have adverse impacts. They would not affect the health and safety of the project occupants because there are no occupants resulting from the proposed project.</p> <p>Therefore, the project is in compliance with the Contamination and Toxic Substances requirements, 24 CFR Part 50.3(i) &amp; 58.5(i)(2).</p> <p>Refer to worksheet at Appendix A, Figure 7 in Appendix B, and report in Appendix C.</p>
<p><b>Endangered Species</b></p> <p>Endangered Species Act of 1973, particularly section 7; 50 CFR Part 402</p>	<p>Yes    No</p> <p><input type="checkbox"/>    <input checked="" type="checkbox"/></p>	<p>Per the Official Species List from the U.S. Fish and Wildlife Service (USFWS) Information for Planning and Consultation (IPaC) website, the Puerto Rican Boa can be found in the area but there are no critical habitats at this location.</p> <p>The proposed activities are covered by the USFWS Blanket Clearance Letter for Federally sponsored projects, Housing and Urban Development of January 14 of 2013, Item 10. If a Puerto Rican Boa is encountered, work will cease until it moves off the site or, failing that, the Puerto Rico Department of Natural and Environmental Resources (PRDNER) Rangers will be notified for safe capture and relocation of the animal, in accordance with the USFW Puerto Rican Boa Conservation Measures guidelines and the July 27, 2023, Amended Programmatic Biological Opinion.</p> <p>The project is in compliance with the Endangered Species Act of 1973, particularly section 7; 50 CFR Part 402. Refer to worksheet in Appendix A, Figure 8 in Appendix B, and report in Appendix D.</p>

<p><b>Explosive and Flammable Hazards</b></p> <p>24 CFR Part 51 Subpart C</p>	<p>Yes    No</p> <p><input type="checkbox"/>   <input checked="" type="checkbox"/></p>	<p>The proposed project does not include a hazardous facility that mainly stores, handles, or processes flammable or combustible chemicals such as bulk fuel storage. Planned activities at the project area do not include installation of storage tanks. The project will not introduce new residents, employees or clients during the daytime hours who could be exposed to any explosive or flammable hazards.</p> <p>Examination of the aerial views and street views shows no above ground storage tanks within the acceptable separation distance.</p> <p>The project is compliance with the Explosive and Flammable Hazards regulations, 24 CFR Part 51 Subpart C. Refer to the worksheet in Appendix A and Figure 9 in Appendix B.</p>
<p><b>Farmlands Protection</b></p> <p>Farmland Protection Policy Act of 1981, particularly sections 1504(b) and 1541; 7 CFR Part 658</p>	<p>Yes    No</p> <p><input type="checkbox"/>   <input checked="" type="checkbox"/></p>	<p>The project consists of a new soccer field at the Rebekah Colberg Sports Complex. The land is currently classified as urban land. The site is qualified as DA: Open Endowment district, which is compatible with the proposed use in a developed area. The project does not include any activities that could convert agricultural land to nonagricultural use. The land is identified as urban area (UA) in the Census Bureau Map. The land is owned by the municipality of Cabo Rojo.</p> <p>The project is compliance with the Farmland Protection Policy Act of 1981, particularly sections 1504(b) and 1541; 7 CFR Part 658. Refer to worksheet in Appendix A and Figure 10 and Figure 10A in Appendix B.</p>
<p><b>Floodplain Management</b></p> <p>Executive Order 11988, particularly section 2(a); 24 CFR Part 55</p>	<p>Yes    No</p> <p><input type="checkbox"/>   <input checked="" type="checkbox"/></p>	<p>The project site is not located in a 100-year floodplain per the PR Advisory Base Flood Elevation map, revised on April 13<sup>th</sup>, 2018.</p> <p>The project is compliance with Floodplain Management regulations. Refer to worksheet in Appendix A and Figure 11 in Appendix B.</p>
<p><b>Historic Preservation</b></p> <p>National Historic Preservation Act of 1966, particularly sections 106 and 110; 36 CFR Part 800</p>	<p>Yes    No</p> <p><input type="checkbox"/>   <input checked="" type="checkbox"/></p>	<p>Consultation with the SHPO regarding the Department of Housing of Puerto Rico (PRDOH) Program was initiated on April 30, 2024, with a letter indicating that 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.</p>

		<p>On May 10, 2024, SHPO concluded that implementation of the undertaking will have no historic properties affected.</p> <p>The Project is in compliance with the National Historic Preservation Act of 1966, particularly sections 106 and 110; 36 CFR Part 800.</p> <p>Refer to worksheet at Appendix A and SHPO determination of no historic properties affected within the project's area of potential effects in Appendix E.</p>
<p><b>Noise Abatement and Control</b></p> <p>Noise Control Act of 1972, as amended by the Quiet Communities Act of 1978; 24 CFR Part 51 Subpart B</p>	<p>Yes    No</p> <p><input type="checkbox"/>   <input checked="" type="checkbox"/></p>	<p>The proposed action does not include new construction for residential use or rehabilitation of an existing residential property. The noise that will be produced during construction is generated by the operation of construction equipment. All equipment and machinery will have noise dampers maintained in accordance with manufacturer's recommendations to control noise generation. Construction activities will be carried out during the day and have minimal impacts on the neighboring community. The noise levels attributable to construction activities will be temporary in nature and is not expected to exceed 65 dBA. No formal compliance steps or mitigation are required.</p> <p>The proposed action is in compliance with the Noise Abatement and Control regulations, Noise Control Act of 1972 and 24 CFR Part 51 Subpart B. Refer to worksheet in Appendix A.</p>
<p><b>Sole Source Aquifers</b></p> <p>Safe Drinking Water Act of 1974, as amended, particularly section 1424(e); 40 CFR Part 149</p>	<p>Yes    No</p> <p><input type="checkbox"/>   <input checked="" type="checkbox"/></p>	<p>There are no EPA sole source aquifers in Puerto Rico. Furthermore, the project consists of activities that are unlikely to have an adverse impact on ground water sources.</p> <p>The project complies with Sole Source Aquifer regulations, Safe Drinking Water Act of 1974, as amended, particularly section 1424(e); 40 CFR Part 149.</p> <p>Refer to worksheet in Appendix A and Figure 12 in Appendix B.</p>
<p><b>Wetlands Protection</b></p> <p>Executive Order 11990, particularly sections 2 and 5</p>	<p>Yes    No</p> <p><input type="checkbox"/>   <input checked="" type="checkbox"/></p>	<p>The National Wetlands Inventory (NWI) mapping shows no wetlands located within or adjacent to the project site.</p> <p>The project complies with Wetlands Protection regulations. Refer to worksheet in Appendix A and Figure 13 in Appendix B.</p>

<p><b>Wild and Scenic Rivers</b></p> <p>Wild and Scenic Rivers Act of 1968, particularly section 7(b) and (c)</p>	<p>Yes    No</p> <p><input type="checkbox"/>   <input checked="" type="checkbox"/></p>	<p>Puerto Rico has only three Wild and Scenic Rivers which are located in the east side of the Island, approximately 469,920 feet to the northeast of the project site. The proposed project locates in the southwest side of Puerto Rico. For this reason, would be not impact to Wild and Scenic Rivers. The Project complies with the Wild and Scenic Rivers Act of 1968, particularly section 7(b) and (c).</p> <p>Refer to worksheet in Appendix A and Figure 14 in Appendix B.</p>
<p><b>ENVIRONMENTAL JUSTICE</b></p>		
<p><b>Environmental Justice</b></p> <p>Executive Order 12898</p>	<p>Yes    No</p> <p><input type="checkbox"/>   <input checked="" type="checkbox"/></p>	<p>No adverse environmental impact was identified in any other compliance review portion of this project that may disproportionately be high for low-income and/or minority communities. The Project complies with Environmental Justice Executive Order 12898. Refer to worksheet Appendix A.</p>

**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
<p><b>LAND DEVELOPMENT</b></p>		
<p>Conformance with Plans / Compatible Land Use and Zoning / Scale and Urban Design</p>	<p>2</p>	<p>The project activities occur within the existing Rebekah Colberg Sports Complex. No changes in zoning, easements, or land use are anticipated. The project consists of a new soccer field, an accessory building to house administrative facilities, a storage area, two locker rooms for the participating teams,</p>

		<p>bathrooms for visitors, a space for food sales, a roofed seating area, FIFA-standard soccer field, four lighting poles, and a retaining wall of approximately 6 meters at its highest point. The land is mostly classified as urban land. The site is qualified as DA: Open Endowment district, which is compatible with the proposed use in a developed area. These districts are established to qualify land public or private occupied or to be occupied with institutional, recreational, civic, educational, parks, squares, open spaces, philanthropic, cultural, scientific, educational, religious, or similar uses. The land is owned by the municipality of Cabo Rojo.</p>
<p>Soil Suitability/ Slope/ Erosion/ Drainage/ Storm Water Runoff</p>	<p>2</p>	<p>The project consists of the construction of a soccer field over a tract of currently vacant land located within an existing sports complex. The project design will comply with current codes related to slope, erosion control and stormwater runoff. The proposed development will incorporate landscaping improvements, including the planting of desirable local tree species that could provide sustenance to local birds, and terrestrial fauna. During construction activities, and in compliance with the USEPA NPDES Construction General Permit and the local stormwater runoff control regulations, the applicant will implement a Stormwater Pollution Prevention Plan that will include structural and non-structural BMPs to keep sediment in place (erosion control) and to capture any sediment that is moved by stormwater before it leaves the site (sediment control). There would be no significant permanent changes to the site that would affect slope, drainage, or stormwater runoff. Temporary impacts would be mitigated by erosion and sedimentation control BMPs implemented during construction.</p>
<p>Hazards and Nuisances including Site Safety and Noise</p>	<p>2</p>	<p>The project site is in an urbanized area. The project would involve demolition, excavation, site clearance and construction. The hazards typically associated with construction activities would be present, temporary site safety issues and noise.</p> <p>Construction-related noise will take place during permitted hours and avoiding work during sensitive times, like early mornings or late evenings. Additionally, quieter construction equipment, employing mufflers or noise-reducing attachments, and maintaining machinery in good condition will be required to the project contractor in order to lower noise levels in compliance with the PR Noise Pollution Control Regulation. The proposed project, once constructed, would not create any additional hazards or nuisances, or create any new site safety or noise issues.</p> <p>Standard BMPs, such as construction fencing, would be applied to protect the public from typical construction hazards. BMPs and signage would warn and protect the public during construction activities.</p> <p>The proposed project will be located within existing Rebekah Colberg Sports Complex. No changes in zoning, easements, or</p>

		land use are anticipated. Facilities lighting meets codes for this developed area. The proposed public activities will occur in compliance with the PR Noise Pollution Control Regulation and Municipality of Cabo Rojo Public Order Code and Ordinances. No immediate residential area will be affected by hazards or nuisances from the public activities to be performed in this sport complex.
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**SOCIOECONOMIC**

Employment and Income Patterns	2	Temporary employment of workers related to construction activities would result. The project may potentially become a source of new jobs as the proposed facility will require dedicated maintenance personnel and sports educators and may become a hub for a new sports activity. About 2 new permanent jobs would be created as a result of this project. These workers are expected to come from this municipality. The proposed project would not negatively impact employment or income patterns.
Demographic Character Changes, Displacement	2	The proposed project would not result in demographic character changes or displacement. Due to the nature of the project area, no relocations or demolition of residential structures or businesses would occur as part of this project.
Environmental Justice	1	The project would not alter the Environmental Justice composition of the population in the area surrounding the project area. There are currently no residents at the project site, and the project would not increase the population that could be exposed to environmental hazards. No environmental hazards were identified on or surrounding the project site that could disproportionately environmental justice populations.  The project may potentially become a source of new jobs as the proposed facility will require dedicated maintenance personnel and sports educators and may become a hub for a new sports activity. The proposed action will also expand the sports facilities availability at the Rebekah Colberg Sports Complex, which is visited by members of several low-income communities that surround this facility.

Environmental Assessment Factor	Impact Code	Impact Evaluation
<b>COMMUNITY FACILITIES AND SERVICES</b>		
Educational and Cultural Facilities	2	The project would not result in any change to regional or local area educational and cultural facilities or increase demand for them. The project would provide an overall benefit for residents of the community.
Commercial Facilities	1	Minor beneficial impacts are anticipated due to the proposed goals and objectives of the project during its operation, as it is

		<p>expected that nearby retail and commercial services would be positively impacted by the proposed project by potentially bringing in new customers. The sports complex will continue operations during the construction phase of the project and will not destroy or relocate any business establishments. Long-term beneficial impact would result from a new food concessionaire space.</p>
Health Care and Social Services	2	<p>Health care and social services facilities would not be impacted by the proposed project. It would not increase demand for health care and social services facilities. The Rebekah Colberg Sports Complex is strategically located close to the Municipal Police Station and two nearby emergency ambulance stations.</p>
Solid Waste Disposal / Recycling	2	<p>Removing and replacing existing building materials and construction debris would generate solid waste. Project-wide salvaging/recycling of materials would occur as determined feasible with other program requirements. All other materials would be managed according to concerned regulations.</p> <p>A solid waste management plan would be developed and implemented to ensure that all potentially hazardous &amp; solid wastes are handled properly, and that daily capacities of landfills and other solid waste facilities are not exceeded. Operational solid wastes would continue to be managed by the Municipality of Cabo Rojo. All other materials would be taken to the appropriate landfills.</p>
Wastewater / Sanitary Sewers	2	<p>Wastewater management will be provided by the PR Aqueduct and Sewer Authority, a public utility. Significant impacts are not expected. Incremental wastewater generation patterns will not significantly exceed those currently observed at the sports complex. The proposed project would not affect wastewater infrastructure and would not increase demand for service.</p>
Water Supply	2	<p>Water supply infrastructure for this facility will be connected to the PR Aqueduct and Sewer Authority. Incremental drinking water demand patterns will not significantly exceed those currently observed at the Rebekah Colberg Sports Complex. relative to the current demand for these services in the area.</p> <p>Temporary demand for water for construction and dust suppression will be attended by existing on-site and nearby Sports Complex water connections.</p>
Public Safety - Police, Fire and Emergency Medical	2	<p>The proposed project would not increase demand for police, fire, and emergency medical services. The nearest police station is located approximately 656 ft east of the project and can be accessed through a separate road not connected to the sports complex. The nearest fire station is located 3,274 north of the sports complex and the nearest medical ambulance stations are located at 338 and 7,920 feet from the sports complex. There are several healthcare hospitals located at the municipalities of Mayaguez and San Germán, about 52,800 ft from the site. No</p>

		access issues to these services are expected during the construction phase of the proposed project.
Parks, Open Space and Recreation	1	The proposed action will also expand the sports facilities available at this location and may become a local hub for a new sports activity. The proposed project would be beneficial to the community residents and visitors.
Transportation and Accessibility	2	The proposed project may result in minor temporary traffic increases and access issues during construction due to material deliveries or use of equipment. There would be no long-term impacts.
<b>NATURAL FEATURES</b>		
Unique Natural Features, Water Resources	2	No unique natural features or groundwater resources are present in the project area or would be affected by the proposed project. Temporary impacts would be mitigated by erosion and sedimentation control BMPs implemented during construction.
Vegetation, Wildlife	1	The project activities would be within an existing urban developed area. The project would not impact native vegetation, wildlife or wildlife habitat. On February 24, 2024, the USFWS determined that the proposed action qualifies for blanket clearance letter. Refer to Appendix D.
Other Factors	2	No other factors were identified that would be affected by the proposed project.
<b>CLIMATE AND ENERGY</b>		
Climate Change Impacts	2	Because the project is the addition of a soccer field within an existing sport complex, there would be no major changes to the site configuration or structure that would specifically address the possibility and uncertainty of rising sea levels or the possibility of increases in rainfall intensity. The major area of the Project site is not located in a 100-year floodplain per Floodplain Insurance Maps 72000C1535J, effective date November 18, 2009. The project would be constructed for durability, safety, and longevity, which would assist in achieving climate resilience.
Energy Efficiency	2	The project would result in upgrade to the areas lighting with new energy efficient LED equipment. It would not involve any major change in the area's energy demand. Regional energy use would not change.

**Additional Studies Performed:**

No additional studies required.

**Field Inspection (Date and completed by):**



The field inspection was conducted by AG Environmental PSC personnel on February 9, 2023.

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

- Puerto Rico State Historic Preservation Office
- FAA, National Plan for Integrated Airport Systems:
- [www.faa.gov/airports/planning\\_capacity/npias/reports/NPIAS-Report-2017-2021-Appendix-B-Part6.pdf](http://www.faa.gov/airports/planning_capacity/npias/reports/NPIAS-Report-2017-2021-Appendix-B-Part6.pdf)
- John H. Chafee Coastal Barrier Resources System, Puerto Rico map. [www.fws.gov/CBRA/Maps/Locator/PR.pdf](http://www.fws.gov/CBRA/Maps/Locator/PR.pdf)
- National Wild and Scenic Rivers System: [www.rivers.gov/puerto-rico.php](http://www.rivers.gov/puerto-rico.php)
- Puerto Rico Community Development Block Grant Disaster Recovery Action Plan, July 2018. [www.cdbg-dr.pr.gov/en/action-plan/](http://www.cdbg-dr.pr.gov/en/action-plan/)
- Programmatic Agreement among the Federal Emergency Management Agency, the Puerto Rico State Historic Preservation Office and the Central Office for Recovery, Reconstruction and Resilience – amended to include the Puerto Rico Department of Housing.
- US Environmental Protection Agency, National Ambient Air Quality Standards, Nonattainment Areas for Criteria Pollutants (Green Book): [www3.epa.gov/airquality/greenbook/anayo\\_pr.html](http://www3.epa.gov/airquality/greenbook/anayo_pr.html)
- US EPA, Environmental Topics, Air Topics: [www.epa.gov/environmental-topics/air-topics](http://www.epa.gov/environmental-topics/air-topics)
- US Fish and Wildlife Service, Environmental Conservation Online System: <https://ecos.fws.gov/ecp/report/species-listings-by-state?stateAbbrev=PR&stateName=Puerto%20Rico&statusCategory=Listed>
- Federal Emergency Management Agency, Flood Mapping Service: <https://msc.fema.gov/portal/home> (compilation of numerous maps)
- US Fish and Wildlife Service, National Wetlands Inventory:
- [www.fws.gov/wetlands/data/mapper.html](http://www.fws.gov/wetlands/data/mapper.html) (compilation of numerous maps)
- Puerto Rico Coastal Zone Management Program Plan, September 2009.
- US EPA, Sole Source Aquifers. Esri HERE, Garmin, NOAA, USGS, EPA.
- US Geological Survey, Data Release of May Showing Concentration of Landslides Caused by Hurricane Maria,
- [www.sciencebase.gov/catalog/item/59de6459e4b05fe04ccd39d8](http://www.sciencebase.gov/catalog/item/59de6459e4b05fe04ccd39d8)

**List of Permits Obtained:**

- Federal - None required.
- Local - OPEG - SRI, DEC, SRS, REA, PCOC

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

A combined Notice of Finding of No Significant Impact (FONSI) and Notice of Intent to Request Release of Funds (NOIRROF) will be published in a local newspaper. Copies of that public notice also will be sent to all known interested parties.

**Cumulative Impact Analysis** [24 CFR 58.32]:

The project area is part of larger, ongoing infrastructure improvements 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. The Campo de Soccer project would contribute to these beneficial impacts. Short-term impacts during construction would be mitigated and would not contribute to construction impacts surrounding the project area. The project will not contribute to adverse cumulative impacts. In accordance with 24 CFR 58.32 (Aggregation), there are no cumulative impacts associated with the proposed project. The proposed activity would not change the land use of the spaces or the adjoining parcels. A slight increase in use of the spaces would result from proposed project.

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

- The project area is located at two lot cadaster numbers 332-037-092-03 and 332-000-004-51 owned by the Municipality of Cabo Rojo. The proposed action is in accordance with zoning. The site is qualified as DA: Open Endowment district, which is compatible with the proposed use. The proposed action will expand the sports facilities available at the Rebekah Colberg Sports Complex and may become a local hub for a new sports activity. The proposed project would be beneficial to the community residents and visitors. Other alternatives to the proposed activity were not considered feasible for the design or location of the new soccer field for the following reasons: relocation of the soccer field to an alternate location would not provide the central location required for the municipal gathering place, relocation would not employ the existing large vacant lot owned by the Municipality of Cabo Rojo, relocation will not expand the sports facilities available at the Rebekah Colberg Sports Complex to become a local hub for a new sports activity and, a different location for the project would result in additional cost for a new lot since the proposed one is owned by the Municipality.

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

- Under the No Action Alternative, the applicant would not receive federal funding for the project and the proposed improvements will not be implemented, the Rebekah Colberg Sports Complex would remain without a soccer field and the community would be deprived of a new sports facility that would allow for new opportunities of training and exercise to a distressed youth and adult population.
- The No Action Alternative does not address the local shortage of sports facilities of this kind in the nearby communities. Therefore, the no action alternative does not meet the purpose and need of the Project and was dismissed for further consideration.

**Summary of Findings and Conclusions:**

The proposed activity has been found to not have any adverse effects on the environment nor is there the requirement for further consultation with federal agencies associated with the topics evaluated above. There are no environmental review topics addressed above that result in the need for additional formal compliance steps with federal agencies or the requirement for mitigations other than those listed below. There may be additional approvals or permits from local agencies. For example, the Office of Permit Management (OGPe) is responsible for granting permits, licenses, certifications, consultations, construction, and any other procedure necessary for business development and land use in Puerto Rico. In addition, the Project is anticipated to provide overall

beneficial social and economic effects to the Municipality of Cabo Rojo by addressing the recreational needs of the populations.

**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.

<b>Law, Authority, or Factor</b>	<b>Mitigation Measure</b>
Soil Suitability/ Slope/ Erosion/Drainage/ Storm Water Runoff	A stormwater pollution prevention plan (SWPPP) would be prepared, and its BMPs would be implemented to avoid surface runoff, ponding, and sedimentation of receiving waterways.
Hazards and Nuisances including Site Safety and Noise	Construction-related noise will take place during permitted hours and avoiding work during sensitive times, like early mornings or late evenings. Additionally, quieter construction equipment, employing mufflers or noise-reducing attachments, and maintaining machinery in good condition will be required to the project contractor in order to lower noise levels in compliance with the PR Noise Pollution Control Regulation.
Hazards and Nuisances including Site Safety and Noise	Standard BMPs, such as construction fencing, would be applied to protect the public from typical construction hazards. BMPs and signage would warn and protect the public during construction activities.
Solid Waste Disposal / Recycling	A solid waste management plan would be developed and implemented to ensure that all potentially hazardous solid waste is handled properly, and that daily capacities of landfills and other solid waste facilities are not exceeded.
Public Safety - Police, Fire and Emergency Medical	Traffic may have to be rerouted temporarily during construction. Emergency services would be notified of traffic control changes ahead of time, and access by emergency vehicles always would be allowed within the work zone
Transportation and Accessibility	A traffic and transportation management plan would be implemented to address those short-term traffic effects and to provide the safest routes during construction.

**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: Sol V Rosa Date: 18JUN2024

Name/Title/Organization: Sol V Rosa, Tetra Tech, Environmental Engineer and Angel García PE, Sr. Environmental Engineer at AG Environmental PSC ([angel@agepr.com](mailto:angel@agepr.com))

Certifying Officer Signature:  Date: June 20, 2024

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).

## **Appendix A**

### **Worksheets**



U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT  
WASHINGTON, DC 20410-1000

## Airport Hazards (CEST and EA) – PARTNER

<https://www.hudexchange.info/environmental-review/airport-hazards>

**1. To ensure compatible land use development, you must determine your site’s proximity to civil and military airports. Is your project within 15,000 feet of a military airport or 2,500 feet of a civilian airport?**

No → *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide a map showing that the site is not within the applicable distances to a military or civilian airport.*

Yes → *Continue to Question 2.*

**2. Is your project located within a Runway Potential Zone/Clear Zone (RPZ/CZ) or Accident Potential Zone (APZ)?**

Yes, project is in an APZ → *Continue to Question 3.*

Yes, project is an RPZ/CZ → *Project cannot proceed at this location.*

No, project is not within an APZ or RPZ/CZ

→ *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Continue to the Worksheet Summary below. Provide a map showing that the site is not within either zone.*

**3. Is the project in conformance with DOD guidelines for APZ?**

Yes, project is consistent with DOD guidelines without further action.

→ *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide any documentation supporting this determination.*

No, the project cannot be brought into conformance with DOD guidelines and has not been approved. → *Project cannot proceed at this location.*

**If mitigation measures have been or will be taken, explain in detail the proposed measures that must be implemented to mitigate for the impact or effect, including the timeline for implementation.**

[Click here to enter text.](#)

→ *Work with the RE/HUD to develop mitigation measures. Continue to the Worksheet Summary below. Provide any documentation supporting this determination.*

### **Worksheet Summary**

Provide a full description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your program or region

### **Include all documentation supporting your findings in your submission to HUD.**

The closest civil airport to the Project site is Eugenio María de Hostos Airport 61,248 ft north of the project site. The closest military airport is the Coast Guard Air Station Borinquen which is collocated with the Rafael Hernandez Airport 149,740 miles north of the project site. The project is not located within 15,000 feet of a military airport, or 2,500 feet of a civilian airport. The Project is in compliance with Airport Hazards regulation 24 CFR Part 51 Subpart D.

Refer to Figure 2 in Appendix B.



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## Coastal Barrier Resources (CEST and EA) – PARTNER

<https://www.hudexchange.info/environmental-review/coastal-barrier-resources>

Projects located in the following states must complete this form.

Alabama	Georgia	Massachusetts	New Jersey	Puerto Rico	Virgin Islands
Connecticut	Louisiana	Michigan	New York	Rhode Island	Virginia
Delaware	Maine	Minnesota	North Carolina	South Carolina	Wisconsin
Florida	Maryland	Mississippi	Ohio	Texas	

### 1. Is the project located in a CBRS Unit?

No → *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide a map showing that the site is not within a CBRS Unit.*

Yes → *Continue to 2.*

Federal assistance for most activities may not be used at this location. You must either choose an alternate site or cancel the project. In very rare cases, federal monies can be spent within CBRS units for certain exempted activities (e.g., a nature trail), after consultation with the Fish and Wildlife Service (FWS) (see [16 USC 3505](#) for exceptions to limitations on expenditures).

### 2. Indicate your recommended course of action for the RE/HUD

Consultation with the FWS

Cancel the project

### Worksheet Summary

Provide a full description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your program or region

### **Include all documentation supporting your findings in your submission to HUD.**

The Project site is not located in or adjacent to a CBRS Unit. The nearest unit is approximately 12,144 ft to the southwest. The Project is in compliance with Coastal Barrier Resources Coastal Barrier Resources Act, as amended by the Coastal Barrier Improvement Act of 1990 [16 USC 3501]. Refer to Figure 3 in Appendix B.





## Flood Insurance (CEST and EA) – PARTNER

<https://www.hudexchange.info/environmental-review/flood-insurance>

**1. Does this project involve mortgage insurance, refinance, acquisition, repairs, rehabilitation, or construction of a structure, mobile home, or insurable personal property?**

No. This project does not require flood insurance or is excepted from flood insurance.

→ *Continue to the Worksheet Summary.*

Yes → *Continue to Question 2.*

**2. Provide a FEMA/FIRM map showing the site.**

The Federal Emergency Management Agency (FEMA) designates floodplains. The [FEMA Map Service Center](#) provides this information in the form of FEMA Flood Insurance Rate Maps (FIRMs).

**Is the structure, part of the structure, or insurable property located in a FEMA-designated Special Flood Hazard Area?**

No → *Continue to the Worksheet Summary.*

Yes → *Continue to Question 3.*

**3. Is the community participating in the National Flood Insurance Program or has less than one year passed since FEMA notification of Special Flood Hazards?**

Yes, the community is participating in the National Flood Insurance Program.

Flood insurance is required. Provide a copy of the flood insurance policy declaration or a paid receipt for the current annual flood insurance premium and a copy of the application for flood insurance.

→ *Continue to the Worksheet Summary.*

Yes, less than one year has passed since FEMA notification of Special Flood Hazards.

If less than one year has passed since notification of Special Flood Hazards, no flood insurance is required.

→ *Continue to the Worksheet Summary.*

No. The community is not participating, or its participation has been suspended.

Federal assistance may not be used at this location. Cancel the project at this location.

### Worksheet Summary

**Include all documentation supporting your findings in your submission to HUD.**

The project site is not located in a 100-year floodplain per Floodplain Insurance Maps 72000C1535J, effective date November 18, 2009. No flood insurance is needed.

The project is in compliance with the Flood Disaster Protection Act of 1973 and National Flood Insurance Reform Act of 1994 [42 USC 4001-4128 and 42 USC 5154a]. Refer to Figure 4 in Appendix B.



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## Air Quality (CEST and EA) – PARTNER

<https://www.hudexchange.info/environmental-review/air-quality>

1. Does your project include new construction or conversion of land use facilitating the development of public, commercial, or industrial facilities OR five or more dwelling units?

Yes → Continue to Question 2.

No → If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Provide any documents used to make your determination.

2. Is your project's air quality management district or county in non-attainment or maintenance status for any criteria pollutants?

Follow the link below to determine compliance status of project county or air quality management district:

<http://www.epa.gov/oaqps001/greenbk/>

No, project's county or air quality management district is in attainment status for all criteria pollutants

→ If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide any documents used to make your determination.

Yes, project's management district or county is in non-attainment or maintenance status for one or more criteria pollutants. → Continue to Question 3.

3. Determine the estimated emissions levels of your project for each of those criteria pollutants that are in non-attainment or maintenance status on your project area. Will your project exceed any of the *de minimis* or *threshold* emissions levels of non-attainment and maintenance level pollutants or exceed the screening levels established by the state or air quality management district?

No, the project will not exceed *de minimis* or threshold emissions levels or screening levels

→ If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Explain how you determined that the project would not exceed *de minimis* or *threshold* emissions.

Yes, the project exceeds *de minimis* emissions levels or screening levels.

→ Continue to Question 4. Explain how you determined that the project would not exceed de minimis or threshold emissions in the Worksheet Summary.

- 4. For the project to be brought into compliance with this section, all adverse impacts must be mitigated. Explain in detail the exact measures that must be implemented to mitigate for the impact or effect, including the timeline for implementation.**

[Click here to enter text.](#)

### **Worksheet Summary**

Provide a full description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your program or region

### **Include all documentation supporting your findings in your submission to HUD.**

The proposed project is located in the municipality of Cabo Rojo, which is in attainment status for all criteria pollutants per the EPA list of NAAQS criteria pollutants for all Puerto Rico Municipalities. Municipalities in nonattainment or maintenance areas include Arecibo, Bayamón, Cataño, Guaynabo, Salinas, San Juan, and Toa Baja. This project is in compliance with the Clean Air Act, as amended, particularly section 176(c) & (d); 40 CFR Parts 6, 51, 93. Refer to Figures 5 and 5A in Appendix B.



**U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT**  
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## Coastal Zone Management Act (CEST and EA) – PARTNER

<https://www.onecpd.info/environmental-review/coastal-zone-management>

Projects located in the following states must complete this form.

Alabama	Florida	Louisiana	Mississippi	Ohio	Texas
Alaska	Georgia	Maine	New Hampshire	Oregon	Virgin Islands
American Samoa	Guam	Maryland	New Jersey	Pennsylvania	Virginia
California	Hawaii	Massachusetts	New York	Puerto Rico	Washington
Connecticut	Illinois	Michigan	North Carolina	Rhode Island	Wisconsin
Delaware	Indiana	Minnesota	Northern Mariana Islands	South Carolina	

**1. Is the project located in, or does it affect, a Coastal Zone as defined in your state Coastal Management Plan?**

Yes → Continue to Question 2.

No → If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide a map showing that the site is not within a Coastal Zone.

**2. Does this project include activities that are subject to state review?**

Yes → Continue to Question 3.

No → If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide documentation used to make your determination.

**3. Has this project been determined to be consistent with the State Coastal Management Program?**

Yes, with mitigation. → The RE/HUD must work with the State Coastal Management Program to develop mitigation measures to mitigate the impact or effect of the project.

Yes, without mitigation. → If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide documentation used to make your determination.

No → Project cannot proceed at this location.

### **Worksheet Summary**

Provide a full description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates

- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your program or region

**Include all documentation supporting your findings in your submission to HUD.**

The project site is located about 3,272 feet west from the Coastal Zone Land Boundary. Therefore, the project is in compliance with the Coastal Zone Management Act, sections 307(c) and (d). Refer to Figure 6 in Appendix B.



U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT  
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## Contamination and Toxic Substances (Multifamily and Non-Residential Properties) – PARTNER

<https://www.hudexchange.info/programs/environmental-review/site-contamination>

**1. How was site contamination evaluated? <sup>1</sup> Select all that apply.**

- ASTM Phase I ESA
- ASTM Phase II ESA
- Remediation or clean-up plan
- ASTM Vapor Encroachment Screening
- None of the above

→ Provide documentation and reports and include an explanation of how site contamination was evaluated in the Worksheet Summary.

Continue to Question 2.

**2. Were any on-site or nearby toxic, hazardous, or radioactive substances found that could affect the health and safety of project occupants or conflict with the intended use of the property? (Were any recognized environmental conditions or RECs identified in a Phase I ESA and confirmed in a Phase II ESA?)**

- No → Explain below.

Click here to enter text.

→ If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below.

- Yes → Describe the findings, including any recognized environmental conditions (RECs), in Worksheet Summary below. Continue to Question 3.

**3. Can adverse environmental impacts be mitigated?**

- Adverse environmental impacts cannot feasibly be mitigated → HUD assistance may not be used for the project at this site. Project cannot proceed at this location.
- Yes, adverse environmental impacts can be eliminated through mitigation.

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<sup>1</sup> HUD regulations at 24 CFR § 58.5(i)(2)(ii) require that the environmental review for multifamily housing with five or more dwelling units or non-residential property include the evaluation of previous uses of the site or other evidence of contamination on or near the site. For acquisition and new construction of multifamily and nonresidential properties HUD strongly advises the review include an ASTM Phase I Environmental Site Assessment (ESA) to meet real estate transaction standards of due diligence and to help ensure compliance with HUD's toxic policy at 24 CFR §58.5(i) and 24 CFR §50.3(i). Also note that some HUD programs require an ASTM Phase I ESA.

→ Provide all mitigation requirements<sup>2</sup> and documents. Continue to Question 4.

**4. Describe how compliance was achieved. Include any of the following that apply: State Voluntary Clean-up Program, a No Further Action letter, use of engineering controls<sup>3</sup>, or use of institutional controls<sup>4</sup>.**

[Click here to enter text.](#)

**If a remediation plan or clean-up program was necessary, which standard does it follow?**

- Complete removal
- Risk-based corrective action (RBCA)

→ Continue to the Worksheet Summary.

### **Worksheet Summary**

Provide a full description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your program or region

### **Include all documentation supporting your findings in your submission to HUD.**

The new construction will be located over an abandoned BMX off-road bicycle track built c2010, filled with a layer of backfill. The layer of backfill and debris will be removed as part of the project and will be transferred to use for leveling the ground under the soccer field and minimize the size of the retaining wall that is needed. No structure demolition will be conducted. During the visual inspection field conducted on February 9th, 2023, no lead-based paint or asbestos material was identified.

A review of U.S. Environmental Protection Agency (EPA) databases, including Resource Conservation and Recovery Act Information, air pollution data, National Pollutant Discharge Elimination System, Toxics Release Inventory, Superfund Enterprise Management System, Brownfields Assessment, Cleanup and Redevelopment Exchange System, and Toxic Substances Control Act was undertaken to determine if any sites of concern were located within an approximate 3,000-foot radius of the project site. A review of EPA's NEPAassist tool showed there a no records of toxic, hazardous, or radioactive substance on Project Site. One (1) Toxic Release Inventory (TRI) and five (5) RCRA sites were identified within 3,000 feet of the Project site. There is one (1) NPDES, one (1) ICIS-AIR and one (1) Superfund (NPL) listings within 3000 feet of

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<sup>2</sup> Mitigation requirements include all clean-up actions required by applicable federal, state, tribal, or local law. Additionally, provide, as applicable, the long-term operations and maintenance plan, Remedial Action Work Plan, and other equivalent documents.

<sup>3</sup> Engineering controls are any physical mechanism used to contain or stabilize contamination or ensure the effectiveness of a remedial action. Engineering controls may include, without limitation, caps, covers, dikes, trenches, leachate collection systems, signs, fences, physical access controls, ground water monitoring systems and ground water containment systems including, without limitation, slurry walls and ground water pumping systems.

<sup>4</sup> Institutional controls are mechanisms used to limit human activities at or near a contaminated site, or to ensure the effectiveness of the remedial action over time, when contaminants remain at a site at levels above the applicable remediation standard which would allow for unrestricted use of the property. Institutional controls may include structure, land, and natural resource use restrictions, well restriction areas, classification exception areas, deed notices, and declarations of environmental restrictions.



the project site. These sites do not have any releases reported or any EPA formal or informal action reported for the last five years.

The project will not involve residents or increase in occupancy of any structure. There would be no increase in risk associated with the proposed project. Because the proposed project would not add sensitive receptors or increase density, the nearby sites of concern are not expected to result in contamination or have adverse impacts. They would not affect the health and safety of the project occupants because there are no occupants resulting from the proposed project.

Therefore, the project is in compliance with the Contamination and Toxic Substances requirements, 24 CFR Part 50.3(i) & 58.5(i)(2).

Refer to Figure 7 in Appendix B and report in Appendix C.



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WASHINGTON, DC 20410-1000

## Contamination and Toxic Substances (Multifamily and Non-Residential Properties) – PARTNER

<https://www.hudexchange.info/programs/environmental-review/site-contamination>

**1. How was site contamination evaluated? <sup>1</sup> Select all that apply.**

- ASTM Phase I ESA
- ASTM Phase II ESA
- Remediation or clean-up plan
- ASTM Vapor Encroachment Screening
- None of the above

→ Provide documentation and reports and include an explanation of how site contamination was evaluated in the Worksheet Summary.

Continue to Question 2.

**2. Were any on-site or nearby toxic, hazardous, or radioactive substances found that could affect the health and safety of project occupants or conflict with the intended use of the property? (Were any recognized environmental conditions or RECs identified in a Phase I ESA and confirmed in a Phase II ESA?)**

- No → Explain below.

Click here to enter text.

→ If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below.

- Yes → Describe the findings, including any recognized environmental conditions (RECs), in Worksheet Summary below. Continue to Question 3.

**3. Can adverse environmental impacts be mitigated?**

- Adverse environmental impacts cannot feasibly be mitigated → HUD assistance may not be used for the project at this site. Project cannot proceed at this location.
- Yes, adverse environmental impacts can be eliminated through mitigation.

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<sup>1</sup> HUD regulations at 24 CFR § 58.5(i)(2)(ii) require that the environmental review for multifamily housing with five or more dwelling units or non-residential property include the evaluation of previous uses of the site or other evidence of contamination on or near the site. For acquisition and new construction of multifamily and nonresidential properties HUD strongly advises the review include an ASTM Phase I Environmental Site Assessment (ESA) to meet real estate transaction standards of due diligence and to help ensure compliance with HUD's toxic policy at 24 CFR §58.5(i) and 24 CFR §50.3(i). Also note that some HUD programs require an ASTM Phase I ESA.

→ Provide all mitigation requirements<sup>2</sup> and documents. Continue to Question 4.

**4. Describe how compliance was achieved. Include any of the following that apply: State Voluntary Clean-up Program, a No Further Action letter, use of engineering controls<sup>3</sup>, or use of institutional controls<sup>4</sup>.**

[Click here to enter text.](#)

**If a remediation plan or clean-up program was necessary, which standard does it follow?**

- Complete removal
- Risk-based corrective action (RBCA)

→ Continue to the Worksheet Summary.

### **Worksheet Summary**

Provide a full description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your program or region

### **Include all documentation supporting your findings in your submission to HUD.**

The new construction will be located over an abandoned BMX off-road bicycle track built c2010, filled with a layer of backfill. The layer of backfill and debris will be removed as part of the project and will be transferred to use for leveling the ground under the soccer field and minimize the size of the retaining wall that is needed. No structure demolition will be conducted. During the visual inspection field conducted on February 9th, 2023, no lead-based paint or asbestos material was identified.

A review of U.S. Environmental Protection Agency (EPA) databases, including Resource Conservation and Recovery Act Information, air pollution data, National Pollutant Discharge Elimination System, Toxics Release Inventory, Superfund Enterprise Management System, Brownfields Assessment, Cleanup and Redevelopment Exchange System, and Toxic Substances Control Act was undertaken to determine if any sites of concern were located within an approximate 3,000-foot radius of the project site. A review of EPA's NEPAassist tool showed there a no records of toxic, hazardous, or radioactive substance on Project Site. One (1) Toxic Release Inventory (TRI) and five (5) RCRA sites were identified within 3,000 feet of the Project site. There is one (1) NPDES, one (1) ICIS-AIR and one (1) Superfund (NPL) listings within 3000 feet of

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<sup>2</sup> Mitigation requirements include all clean-up actions required by applicable federal, state, tribal, or local law. Additionally, provide, as applicable, the long-term operations and maintenance plan, Remedial Action Work Plan, and other equivalent documents.

<sup>3</sup> Engineering controls are any physical mechanism used to contain or stabilize contamination or ensure the effectiveness of a remedial action. Engineering controls may include, without limitation, caps, covers, dikes, trenches, leachate collection systems, signs, fences, physical access controls, ground water monitoring systems and ground water containment systems including, without limitation, slurry walls and ground water pumping systems.

<sup>4</sup> Institutional controls are mechanisms used to limit human activities at or near a contaminated site, or to ensure the effectiveness of the remedial action over time, when contaminants remain at a site at levels above the applicable remediation standard which would allow for unrestricted use of the property. Institutional controls may include structure, land, and natural resource use restrictions, well restriction areas, classification exception areas, deed notices, and declarations of environmental restrictions.

the project site. These sites do not have any releases reported or any EPA formal or informal action reported for the last five years.

The project will not involve residents or increase in occupancy of any structure. There would be no increase in risk associated with the proposed project. Because the proposed project would not add sensitive receptors or increase density, the nearby sites of concern are not expected to result in contamination or have adverse impacts. They would not affect the health and safety of the project occupants because there are no occupants resulting from the proposed project.

Therefore, the project is in compliance with the Contamination and Toxic Substances requirements, 24 CFR Part 50.3(i) & 58.5(i)(2).

Refer to Figure 7 in Appendix B and report in Appendix C.



## Endangered Species Act (CEST and EA) – PARTNER

<https://www.hudexchange.info/environmental-review/endangered-species>

### 1. Does the project involve any activities that have the potential to affect species or habitats?

No, the project will have No Effect due to the nature of the activities involved in the project.

→ *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide any documents used to make your determination.*

No, the project will have No Effect based on a letter of understanding, memorandum of agreement, programmatic agreement, or checklist provided by local HUD office.

**Explain your determination:**

[Click here to enter text.](#)

→ *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide any documents used to make your determination.*

Yes, the activities involved in the project have the potential to affect species and/or habitats. →  
*Continue to Question 2.*

### 2. Are federally listed species or designated critical habitats present in the action area?

Obtain a list of protected species from the Services. This information is available on the [FWS Website](#).

No, the project will have No Effect due to the absence of federally listed species and designated critical habitat.

→ *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide any documents used to make your determination. Documentation may include letters from the Services, species lists from the Services' websites, surveys or other documents and analysis showing that there are no species in the action area.*

Yes, there are federally listed species or designated critical habitats present in the action area. →  
*Continue to Question 3.*

### 3. Recommend one of the following effects that the project will have on federally listed species or designated critical habitat:

No Effect: Based on the specifics of both the project and any federally listed species in the action area, you have determined that the project will have absolutely no effect on listed species or critical habitat.

→ *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide any documents used to make your determination. Documentation should include a species list and explanation of your conclusion, and may require maps, photographs, and surveys as appropriate.*

**May Affect, Not Likely to Adversely Affect:** Any effects that the project may have on federally listed species or critical habitats would be beneficial, discountable, or insignificant.

→ Partner entities should not contact the Services directly. *If the RE/HUD agrees with this recommendation, they will have to complete Informal Consultation. Provide the RE/HUD with a biological evaluation or equivalent document. They may request additional information, including surveys and professional analysis, to complete their consultation.*

**Likely to Adversely Affect:** The project may have negative effects on one or more listed species or critical habitat.

→ Partner entities should not contact the Services directly. *If the RE/HUD agrees with this recommendation, they will have to complete Formal Consultation. Provide the RE/HUD with a biological evaluation or equivalent document. They may request additional information, including surveys and professional analysis, to complete their consultation.*

### **Worksheet Summary**

Provide a full description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your program or region

### **Include all documentation supporting your findings in your submission to HUD.**

Per the Official Species List from the U.S. Fish and Wildlife Service (USFWS) Information for Planning and Consultation (IPaC) website, the Puerto Rican Boa can be found in the area but there are no critical habitats at this location.

The proposed activities are covered by the USFWS Blanket Clearance Letter for Federally sponsored projects, Housing and Urban Development of January 14 of 2013, Item 10. If a Puerto Rican Boa is encountered, work will cease until it moves off the site or, failing that, the Puerto Rico Department of Natural and Environmental Resources (PRDNER) Rangers will be notified for safe capture and relocation of the animal, in accordance with the USFW Puerto Rican Boa Conservation Measures guidelines and the July 27, 2023 Amended Programmatic Biological Opinion.

The project is in compliance with the Endangered Species Act of 1973, particularly section 7; 50 CFR Part 402. Refer to report in Appendix D.



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**Explosive and Flammable Hazards (CEST and EA) – PARTNER**

<https://www.hudexchange.info/environmental-review/explosive-and-flammable-facilities>

**1. Does the proposed HUD-assisted project include a hazardous facility (a facility that mainly stores, handles or processes flammable or combustible chemicals such as bulk fuel storage facilities and refineries)?**

No

→ Continue to Question 2.

Yes

**Explain:**

Click here to enter text.

→ Continue to Question 5.

**2. Does this project include any of the following activities: development, construction, rehabilitation that will increase residential densities, or conversion?**

No → If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below.

Yes → Continue to Question 3.

**3. Within 1 mile of the project site, are there any current *or planned* stationary aboveground storage containers:**

- Of more than 100-gallon capacity, containing common liquid industrial fuels OR
- Of any capacity, containing hazardous liquids or gases that are not common liquid industrial fuels?

No → If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide all documents used to make your determination.

Yes → Continue to Question 4.

**4. Is the Separation Distance from the project acceptable based on standards in the Regulation?**

Please visit HUD's website for information on calculating Acceptable Separation Distance.

Yes

→ If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below.

Provide map(s) showing the location of the project site relative to any tanks and your separation distance calculations. If the map identifies more than one tank, please identify the tank you have chosen as the "assessed tank."

No

→ Continue to Question 6.

*Provide map(s) showing the location of the project site relative to any tanks and your separation distance calculations. If the map identifies more than one tank, please identify the tank you have chosen as the “assessed tank.”*

**5. Is the hazardous facility located at an acceptable separation distance from residences and any other facility or area where people may congregate or be present?**

Please visit HUD’s website for information on calculating Acceptable Separation Distance.

Yes

→ *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below.*

*Provide map(s) showing the location of the project site relative to residences and any other facility or area where people congregate or are present and your separation distance calculations.*

No

→ Continue to Question 6.

*Provide map(s) showing the location of the project site relative to residences and any other facility or area where people congregate or are present and your separation distance calculations.*

**6. For the project to be brought into compliance with this section, all adverse impacts must be mitigated. Explain in detail the exact measures that must be implemented to make the Separation Distance acceptable, including the timeline for implementation. If negative effects cannot be mitigated, cancel the project at this location.**

Note that only licensed professional engineers should design and implement blast barriers. If a barrier will be used or the project will be modified to compensate for an unacceptable separation distance, provide approval from a licensed professional engineer.

[Click here to enter text.](#)

**Worksheet Summary**

Provide a full description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your program or region

**Include all documentation supporting your findings in your submission to HUD.**

The proposed project does not include a hazardous facility that mainly stores, handles, or processes flammable or combustible chemicals such as bulk fuel storage. Planned activities at the project area do not include installation of storage tanks. The project will not introduce new residents, employees or clients during the daytime hours who could be exposed to any explosive or flammable hazards.

Examination of the aerial views and street views shows no above ground storage tanks within the acceptable separation distance.



The project is compliance with the Explosive and Flammable Hazards regulations, 24 CFR Part 51 Subpart C. Refer to Figure 9 in Appendix B



## Farmlands Protection (CEST and EA) - PARTNER

<https://www.hudexchange.info/environmental-review/farmlands-protection>

**1. Does your project include any activities, including new construction, acquisition of undeveloped land or conversion, that could convert agricultural land to a non-agricultural use?**

Yes → *Continue to Question 2.*

No

→ *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below.*

**2. Does “important farmland,” including prime farmland, unique farmland, or farmland of statewide or local importance regulated under the Farmland Protection Policy Act, occur on the project site?**

You may use the links below to determine important farmland occurs on the project site:

- Utilize USDA Natural Resources Conservation Service’s (NRCS) Web Soil Survey <http://websoilsurvey.nrcs.usda.gov/app/HomePage.htm>
- Check with your city or county’s planning department and ask them to document if the project is on land regulated by the FPPA (zoning important farmland as non-agricultural does not exempt it from FPPA requirements)
- Contact NRCS at the local USDA service center <http://offices.sc.egov.usda.gov/locator/app?agency=nrcs> or your NRCS state soil scientist [http://soils.usda.gov/contact/state\\_offices/](http://soils.usda.gov/contact/state_offices/) for assistance

No → *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide any documents used to make your determination.*

Yes → *Continue to Question 3.*

**3. Consider alternatives to completing the project on important farmland and means of avoiding impacts to important farmland.**

- Complete form [AD-1006, “Farmland Conversion Impact Rating”](#) and contact the state soil scientist before sending it to the local NRCS District Conservationist.
- Work with NRCS to minimize the impact of the project on the protected farmland. When you have finished with your analysis, return a copy of form AD-1006 to the USDA-NRCS State Soil Scientist or his/her designee informing them of your determination.

**Work with the RE/HUD to determine how the project will proceed. Document the conclusion:**

Project will proceed with mitigation.

**Explain in detail the proposed measures that must be implemented to mitigate for the impact or effect, including the timeline for implementation.**

Click here to enter text.

→ *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide form AD-1006 and all other documents used to make your determination.*

Project will proceed without mitigation.

**Explain why mitigation will not be made here:**

Click here to enter text.

→ *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide form AD-1006 and all other documents used to make your determination.*

### **Worksheet Summary**

Provide a full description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your program or region

### **Include all documentation supporting your findings in your submission to HUD.**

The project consists of a new soccer field at the Rebekah Colberg Sports Complex. The land is currently classified as urban land. The site is qualified as DA: Open Endowment district, which is compatible with the proposed use in a developed area. The project does not include any activities that could convert agricultural land to nonagricultural use. The land is identified as urban area (UA) in the Census Bureau Map. The land is owned by the municipality of Cabo Rojo.

The project is compliance with the Farmland Protection Policy Act of 1981, particularly sections 1504(b) and 1541; 7 CFR Part 658. Refer to Figure 10 and Figure 10A in Appendix B.



## Floodplain Management (CEST and EA) – PARTNER

<https://www.hudexchange.info/environmental-review/floodplain-management>

1. Does [24 CFR 55.12\(c\)](#) exempt this project from compliance with HUD’s floodplain management regulations in Part 55?

Yes

**Provide the applicable citation at 24 CFR 55.12(c) here. If project is exempt under 55.12(c)(6) or (8), provide supporting documentation.**

Click here to enter text.

→ If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Continue to the Worksheet Summary.

No → Continue to Question 2.

2. Provide a FEMA/FIRM map showing the site.

The Federal Emergency Management Agency (FEMA) designates floodplains. The [FEMA Map Service Center](#) provides this information in the form of FEMA Flood Insurance Rate Maps (FIRMs).

**Does your project occur in a floodplain?**

No → Continue to the Worksheet Summary below.

Yes

**Select the applicable floodplain using the FEMA map or the best available information:**

Floodway → Continue to Question 3, Floodways

Coastal High Hazard Area (V Zone) → Continue to Question 4, Coastal High Hazard Areas

500-year floodplain (B Zone or shaded X Zone) → Continue to Question 5, 500-year Floodplains

100-year floodplain (A Zone) → The 8-Step Process is required. Continue to Question 6, 8-Step Process

3. **Floodways**

**Is this a functionally dependent use?**

Yes

The 8-Step Process is required. Work with HUD or the RE to assist with the 8-Step Process.

→ Continue to Worksheet Summary.

- No → *Federal assistance may not be used at this location unless an exception in 55.12(c) applies. You must either choose an alternate site or cancel the project.*

**4. Coastal High Hazard Area**

**Is this a critical action such as a hospital, nursing home, fire station, or police station?**

- Yes → *Critical actions are prohibited in coastal high hazard areas unless an exception in 55.12(c) applies. You must either choose an alternate site or cancel the project.*

- No

**Does this action include new construction that is not a functionally dependent use, existing construction (including improvements), or reconstruction following destruction caused by a disaster?**

- Yes, there is new construction of something that is not a functionally dependent use. New construction must be designed to FEMA standards for V Zones at 44 CFR 60.3(e) (24 CFR 55.1(c)(3)(i)).

→ *Continue to Question 6, 8-Step Process*

- No, this action concerns only existing construction.

Existing construction must have met FEMA elevation and construction standards for a coastal high hazard area or other standards applicable at the time of construction.

→ *Continue to Question 6, 8-Step Process*

**5. 500-year Floodplain**

**Is this a critical action?**

- No → *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Continue to the Worksheet Summary below.*

- Yes → *Continue to Question 6, 8-Step Process*

**6. 8-Step Process.**

**Is this 8-Step Process required? Select one of the following options:**

- 8-Step Process applies.

This project will require mitigation and may require elevating structure or structures. See the link to the HUD Exchange above for information on HUD's elevation requirements.

→ *Work with the RE/HUD to assist with the 8-Step Process. Continue to Worksheet Summary.*

- 5-Step Process is applicable per 55.12(a)(1-3).

**Provide the applicable citation at 24 CFR 55.12(a) here.**

[Click here to enter text.](#)

→ *Work with the RE/HUD to assist with the 5-Step Process. Continue to Worksheet Summary.*

- 8-Step Process is inapplicable per 55.12(b)(1-4).

**Provide the applicable citation at 24 CFR 55.12(b) here.**

[Click here to enter text.](#)

→ *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below.*

### **Worksheet Summary**

Provide a full description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your program or region

### **Include all documentation supporting your findings in your submission to HUD.**

The project site is not located in a 100-year floodplain per the PR Advisory Base Flood Elevation map, revised on April 13th, 2018. The project is compliance with Floodplain Management regulations. Refer to Figure 11 in Appendix B.



## Floodplain Management (CEST and EA) – PARTNER

<https://www.hudexchange.info/environmental-review/floodplain-management>

1. Does [24 CFR 55.12\(c\)](#) exempt this project from compliance with HUD’s floodplain management regulations in Part 55?

Yes

Provide the applicable citation at 24 CFR 55.12(c) here. If project is exempt under 55.12(c)(6) or (8), provide supporting documentation.

→ If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Continue to the Worksheet Summary.

No → Continue to Question 2.

2. Provide a FEMA/FIRM map showing the site.

The Federal Emergency Management Agency (FEMA) designates floodplains. The [FEMA Map Service Center](#) provides this information in the form of FEMA Flood Insurance Rate Maps (FIRMs).

Does your project occur in a floodplain?

No → Continue to the Worksheet Summary below.

Yes

Select the applicable floodplain using the FEMA map or the best available information:

Floodway → Continue to Question 3, Floodways

Coastal High Hazard Area (V Zone) → Continue to Question 4, Coastal High Hazard Areas

500-year floodplain (B Zone or shaded X Zone) → Continue to Question 5, 500-year Floodplains

100-year floodplain (A Zone) → The 8-Step Process is required. Continue to Question 6, 8-Step Process

3. Floodways

Is this a functionally dependent use?

Yes

The 8-Step Process is required. Work with HUD or the RE to assist with the 8-Step Process.

→ Continue to Worksheet Summary.

No → *Federal assistance may not be used at this location unless an exception in 55.12(c) applies. You must either choose an alternate site or cancel the project.*

4. **Coastal High Hazard Area**

**Is this a critical action such as a hospital, nursing home, fire station, or police station?**

Yes → *Critical actions are prohibited in coastal high hazard areas unless an exception in 55.12(c) applies. You must either choose an alternate site or cancel the project.*

No

**Does this action include new construction that is not a functionally dependent use, existing construction (including improvements), or reconstruction following destruction caused by a disaster?**

Yes, there is new construction of something that is not a functionally dependent use. New construction must be designed to FEMA standards for V Zones at 44 CFR 60.3(e) (24 CFR 55.1(c)(3)(i)).

→ *Continue to Question 6, 8-Step Process*

No, this action concerns only existing construction.

Existing construction must have met FEMA elevation and construction standards for a coastal high hazard area or other standards applicable at the time of construction.

→ *Continue to Question 6, 8-Step Process*

5. **500-year Floodplain**

**Is this a critical action?**

No → *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Continue to the Worksheet Summary below.*

Yes → *Continue to Question 6, 8-Step Process*

6. **8-Step Process.**

**Is this 8-Step Process required? Select one of the following options:**

8-Step Process applies.

This project will require mitigation and may require elevating structure or structures. See the link to the HUD Exchange above for information on HUD's elevation requirements.

→ *Work with the RE/HUD to assist with the 8-Step Process. Continue to Worksheet Summary.*

5-Step Process is applicable per 55.12(a)(1-4).

**Provide the applicable citation at 24 CFR 55.12(a) here.**

(3) HUD's or the recipient's actions under any HUD program involving the repair, rehabilitation, modernization, weatherization, or improvement of existing multifamily housing projects, hospitals, nursing homes, assisted living facilities, board and care facilities, intermediate care facilities, and one- to four-family properties, in communities that are in the Regular Program of the National Flood Insurance Program (NFIP) and are in good standing, provided that the number of units is not increased more than 20 percent, the action does not involve a conversion from nonresidential to residential land use, the action does not meet the thresholds for "substantial improvement" under § 55.2(b)(10), and the footprint of the structure and paved areas is not significantly increased.

→ *Work with the RE/HUD to assist with the 5-Step Process. Continue to Worksheet Summary.*



8-Step Process is inapplicable per 55.12(b)(1-5).

**Provide the applicable citation at 24 CFR 55.12(b) here.**

[Click here to enter text.](#)

→ *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below.*

### **Worksheet Summary**

Provide a full description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your program or region

### **Include all documentation supporting your findings in your submission to HUD.**

The project site is not located in a 100-year floodplain per the PR Advisory Base Flood Elevation map, revised on April 13th, 2018.

The project is compliance with the Floodplain Management regulations, Executive Order 11988, particularly section 2(a); 24 CFR Part 55. Refer to map in Appendix B.



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## Historic Preservation (CEST and EA) – PARTNER

<https://www.hudexchange.info/environmental-review/historic-preservation>

### Threshold

#### Is Section 106 review required for your project?

- No, because a Programmatic Agreement states that all activities included in this project are exempt. (See the [PA Database](#) to find applicable PAs.)

**Either provide the PA itself or a link to it here. Mark the applicable exemptions or include the text here:**

[Click here to enter text.](#)

→ *Continue to the Worksheet Summary.*

- No, because the project consists solely of activities included in a No Potential to Cause Effects memo or other determination [36 CFR 800.3(a)(1)].

**Either provide the memo itself or a link to it here. Explain and justify the other determination here:**

[Click here to enter text.](#)

→ *Continue to the Worksheet Summary.*

- Yes, because the project includes activities with potential to cause effects (direct or indirect). → *Continue to Step 1.*

#### **The Section 106 Process**

After determining the need to do a Section 106 review, HUD or the RE will initiate consultation with regulatory and other interested parties, identify and evaluate historic properties, assess effects of the project on properties listed on or eligible for the National Register of Historic Places, and resolve any adverse effects through project design modifications or mitigation.

Step 1: Initiate consultation

Step 2: Identify and evaluate historic properties.

Step 3: Assess effects of the project on historic properties.

Step 4: Resolve any adverse effects.

Only RE or HUD staff may initiate the Section 106 consultation process. Partner entities may gather information, including from SHPO records, identify and evaluate historic properties, and make initial assessments of effects of the project on properties listed in or eligible for the National Register of Historic Place. Partners should then provide to the RE or HUD with all of their analysis and documentation so that they may initiate consultation.

## Step 1 - Initiate Consultation

The following parties are entitled to participate in Section 106 reviews: Advisory Council on Historic Preservation; State Historic Preservation Officers (SHPOs); federally recognized Indian tribes/Tribal Historic Preservation Officers (THPOs); Native Hawaiian Organizations (NHOs); local governments; and project grantees. The general public and individuals and organizations with a demonstrated interest in a project may participate as consulting parties at the discretion of the RE or HUD official. Participation varies with the nature and scope of a project. Refer to HUD's website for guidance on consultation, including the required timeframes for response. Consultation should begin early to enable full consideration of preservation options.

Use the [When To Consult With Tribes checklist](#) within [Notice CPD-12-006: Process for Tribal Consultation](#) to determine if the RE or HUD should invite tribes to consult on a particular project. Use the [Tribal Directory Assessment Tool \(TDAT\)](#) to identify tribes that may have an interest in the area where the project is located. Note that only HUD or the RE may initiate consultation with Tribes. Partner entities may prepare a draft letter for the RE or HUD to use to initiate consultation with tribes, but may not send the letter themselves.

**List all organizations and individuals that you believe may have an interest in the project here:**

PR SHPO

→ *Continue to Step 2.*

## Step 2 - Identify and Evaluate Historic Properties

**Provide a preliminary definition of the Area of Potential Effect (APE), either by entering the address(es) or providing a map depicting the APE.** Attach an additional page if necessary.

[Click here to enter text.](#)

Gather information about known historic properties in the APE. Historic buildings, districts and archeological sites may have been identified in local, state, and national surveys and registers, local historic districts, municipal plans, town and county histories, and local history websites. If not already listed on the National Register of Historic Places, identified properties are then evaluated to see if they are eligible for the National Register. Refer to HUD's website for guidance on identifying and evaluating historic properties.

**In the space below, list historic properties identified and evaluated in the APE.**

Every historic property that may be affected by the project should be listed. For each historic property or district, include the National Register status, whether the SHPO has concurred with the finding, and whether information on the site is sensitive. Attach an additional page if necessary.

[Click here to enter text.](#)

*Provide the documentation (survey forms, Register nominations, concurrence(s) and/or objection(s), notes, and photos) that justify your National Register Status determination.*

**Was a survey of historic buildings and/or archeological sites done as part of the project?**

If the APE contains previously unsurveyed buildings or structures over 50 years old, or there is a likely presence of previously unsurveyed archeological sites, a survey may be necessary. For Archeological surveys, refer to HP Fact Sheet #6, [Guidance on Archeological Investigations in HUD Projects](#).

Yes → *Provide survey(s) and report(s) and continue to Step 3.*

Additional notes:

[Click here to enter text.](#)

No → *Continue to Step 3.*

### Step 3 - Assess Effects of the Project on Historic Properties

Only properties that are listed on or eligible for the National Register of Historic Places receive further consideration under Section 106. Assess the effect(s) of the project by applying the Criteria of Adverse Effect. ([36 CFR 800.5](#)) Consider direct and indirect effects as applicable as per HUD guidance.

#### Choose one of the findings below to recommend to the RE or HUD.

Please note this is a recommendation only. It is **not** the official finding, which will be made by the RE or HUD, but only your suggestion as a Partner entity.

No Historic Properties Affected

**Document reason for finding:**

No historic properties present.

Historic properties present, but project will have no effect upon them.

No Adverse Effect

**Document reason for finding and provide any comments below.**

Comments may include recommendations for mitigation, monitoring, a plan for unanticipated discoveries, etc.

[Click here to enter text.](#)

Adverse Effect

**Document reason for finding:**

Copy and paste applicable Criteria into text box with summary and justification.

Criteria of Adverse Effect: [36 CFR 800.5](#)

[Click here to enter text.](#)

#### Provide any comments below:

Consultation with the SHPO regarding the Department of Housing of Puerto Rico (PRDOH) Program was initiated on April 30, 2024, with a letter indicating that 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.

On May 10, 2024, SHPO concluded that implementation of the undertaking will have no adverse effect on this historic property.

The Project is in compliance with the National Historic Preservation Act of 1966, particularly sections 106 and 110; 36 CFR Part 800. Refer to SHPO determination of adverse effect on this historic property in Appendix E.



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## Noise (EA Level Reviews) – PARTNER

<https://www.hudexchange.info/programs/environmental-review/noise-abatement-and-control>

### 1. What activities does your project involve? Check all that apply:

- New construction for residential use

NOTE: HUD assistance to new construction projects is generally prohibited if they are located in an Unacceptable zone, and HUD discourages assistance for new construction projects in Normally Unacceptable zones. See 24 CFR 51.101(a)(3) for further details.

→ Continue to Question 2.

- Rehabilitation of an existing residential property

NOTE: For major or substantial rehabilitation in Normally Unacceptable zones, HUD encourages mitigation to reduce levels to acceptable compliance standards. For major rehabilitation in Unacceptable zones, HUD strongly encourages mitigation to reduce levels to acceptable compliance standards. See 24 CFR 51 Subpart B for further details.

→ Continue to Question 2.

- None of the above

→ If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below.

### 2. Complete the Preliminary Screening to identify potential noise generators in the vicinity (1000' from a major road, 3000' from a railroad, or 15 miles from an airport).

Indicate the findings of the Preliminary Screening below:

- There are no noise generators found within the threshold distances above.

→ If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide a map showing the location of the project relative to any noise generators.

- Noise generators were found within the threshold distances.

→ Continue to Question 3.

### 3. Complete the Noise Assessment Guidelines to quantify the noise exposure. Indicate the findings of the Noise Assessment below:

- Acceptable (65 decibels or less; the ceiling may be shifted to 70 decibels in circumstances described in §24 CFR 51.105(a))

**Indicate noise level here:** [Click here to enter text.](#)

→ If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide noise analysis, including noise level and data used to complete the analysis.

Normally Unacceptable: (Above 65 decibels but not exceeding 75 decibels; the floor may be shifted to 70 decibels in circumstances described in 24 CFR 51.105(a))

**Indicate noise level here:** [Click here to enter text.](#)

If project is rehabilitation:

→ Continue to Question 4. Provide noise analysis, including noise level and data used to complete the analysis.

If project is new construction:

**Is the project in a largely undeveloped area<sup>1</sup>?**

No

Yes → **The project requires completion of an Environmental Impact Statement (EIS) pursuant to 51.104(b)(1)(i).**

→ Continue to Question 4. Provide noise analysis, including noise level and data used to complete the analysis.

Unacceptable: (Above 75 decibels)

**Indicate noise level here:** [Click here to enter text.](#)

If project is rehabilitation:

HUD strongly encourages conversion of noise-exposed sites to land uses compatible with high noise levels. Consider converting this property to a non-residential use compatible with high noise levels.

→ Continue to Question 4. Provide noise analysis, including noise level and data used to complete the analysis, and any other relevant information.

If project is new construction:

**The project requires completion of an Environmental Impact Statement (EIS) pursuant to 51.104(b)(1)(i). Work with HUD or the RE to either complete an EIS or obtain a waiver signed by the appropriate authority.**

→ Continue to Question 4.

**4. HUD strongly encourages mitigation to be used to eliminate adverse noise impacts. Work with the RE/HUD on the development of the mitigation measures that must be implemented to mitigate the impact or effect, including the timeline for implementation.**

Mitigation as follows will be implemented:

[Click here to enter text.](#)

→ Provide drawings, specifications, and other materials as needed to describe the project's noise mitigation measures.

Continue to the Worksheet Summary.

No mitigation is necessary.

---

<sup>1</sup> A largely undeveloped area means the area within 2 miles of the project site is less than 50 percent developed with urban uses and does not have water and sewer capacity to serve the project.

**Explain why mitigation will not be made here:**

Click here to enter text.

→ *Continue to the Worksheet Summary.*

### **Worksheet Summary**

The proposed action does not include new construction for residential use or rehabilitation of an existing residential property. The noise that will be produced during construction is generated by the operation of construction equipment. All equipment and machinery will have noise dampers maintained in accordance with manufacturer's recommendations to control noise generation. Construction activities will be carried out during the day and have minimal impacts on the neighboring community. The noise levels attributable to construction activities will be temporary in nature and is not expected to exceed 65 dBA. No formal compliance steps or mitigation are required.

The proposed action is in compliance with the Noise Abatement and Control regulations, Noise Control Act of 1972 and 24 CFR Part 51 Subpart B.



U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT  
WASHINGTON, DC 20410-1000

## Sole Source Aquifers (CEST and EA) - PARTNER

<https://www.hudexchange.info/environmental-review/sole-source-aquifers>

### 1. Is the project located on a sole source aquifer (SSA)<sup>1</sup>?

No → *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide documentation used to make your determination, such as a map of your project or jurisdiction in relation to the nearest SSA.*

Yes → *Continue to Question 2.*

### 2. Does the project consist solely of acquisition, leasing, or rehabilitation of an existing building(s)?

Yes → *The review is in compliance with this section. Continue to the Worksheet Summary below.*

No → *Continue to Question 3.*

### 3. Does your region have a memorandum of understanding (MOU) or other working agreement with EPA for HUD projects impacting a sole source aquifer?

Contact your Field or Regional Environmental Officer or visit the HUD webpage at the link above to determine if an MOU or agreement exists in your area.

Yes → *Continue to Question 4.*

No → *Continue to Question 5.*

### 4. Does your MOU or working agreement exclude your project from further review?

Yes → *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide documentation used to make your determination and document where your project fits within the MOU or agreement.*

No → *Continue to Question 5.*

### 5. Will the proposed project contaminate the aquifer and create a significant hazard to public health?

Consult with your Regional EPA Office. Your consultation request should include detailed information about your proposed project and its relationship to the aquifer and associated streamflow source area. EPA will also want to know about water, storm water and waste water at the proposed project. Follow your MOU or working agreement or contact your Regional EPA office for specific information you may need to provide. EPA may request additional information if impacts to the aquifer are questionable after this information is submitted for review.

---

<sup>1</sup> A sole source aquifer is defined as an aquifer that supplies at least 50 percent of the drinking water consumed in the area overlying the aquifer. This includes streamflow source areas, which are upstream areas of losing streams that flow into the recharge area.



- No → *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide your correspondence with the EPA and all documents used to make your determination.*
- Yes → *The RE/HUD will work with EPA to develop mitigation measures. If mitigation measures are approved, attach correspondence with EPA and include the mitigation measures in your environmental review documents and project contracts. If EPA determines that the project continues to pose a significant risk to the aquifer, federal financial assistance must be denied. Continue to Question 6.*

### **Worksheet Summary**

There are no EPA sole source aquifers in Puerto Rico. Furthermore, the project consists of activities that are unlikely to have an adverse impact on ground water sources.

The project complies with Sole Source Aquifer regulations, Safe Drinking Water Act of 1974, as amended, particularly section 1424(e); 40 CFR Part 149.

Refer to map in Appendix B.



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## Wetlands (CEST and EA) – Partner

<https://www.hudexchange.info/environmental-review/wetlands-protection>

**1. Does this project involve new construction as defined in Executive Order 11990, expansion of a building's footprint, or ground disturbance?**

The term "new construction" includes draining, dredging, channelizing, filling, diking, impounding, and related activities and construction of any any structures or facilities.

No → *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below.*

Yes → *Continue to Question 2.*

**2. Will the new construction or other ground disturbance impact a wetland as defined in E.O. 11990?**

No → *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide a map or any other relevant documentation to explain your determination.*

Yes → *Work with HUD or the RE to assist with the 8-Step Process.* *Continue to Question 3.*

**3. Does Section 55.12 state that the 8-Step Process is not required?**

No, the 8-Step Process applies.

This project will require mitigation and may require elevating structure or structures. See the link to the HUD Exchange above for information on HUD's elevation requirements.

→ *Work with the RE/HUD to assist with the 8-Step Process. Continue to Worksheet Summary.*

5-Step Process is applicable per 55.12(a).

**Provide the applicable citation at 24 CFR 55.12(a) here.**

[Click here to enter text.](#)

→ *Work with the RE/HUD to assist with the 5-Step Process. This project may require mitigation or alternations. Continue to Worksheet Summary.*

8-Step Process is inapplicable per 55.12(b).

**Provide the applicable citation at 24 CFR 55.12(b) here.**

[Click here to enter text.](#)

→ *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to Worksheet Summary.*

8-Step Process is inapplicable per 55.12(c).

**Provide the applicable citation at 24 CFR 55.12(c) here.**

Click here to enter text.

→ *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to Worksheet Summary.*

### **Worksheet Summary**

Provide a full description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your program or region

### **Include all documentation supporting your findings in your submission to HUD.**

The National Wetlands Inventory (NWI) mapping shows no wetlands located within or adjacent to the project site.

The Project complies with Wetlands Protection regulations, Executive Order 11990, particularly sections 2 and 5. Refer to map in Appendix B.



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## Wild and Scenic Rivers (CEST and EA) – PARTNER

<https://www.hudexchange.info/environmental-review/wild-and-scenic-rivers>

### 1. Is your project within proximity of a Wild and Scenic River, Study River, or Nationwide Rivers Inventory River?

No → *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Provide documentation used to make your determination.*

Yes → *Continue to Question 2.*

### 2. Could the project do *any* of the following?

- Have a direct and adverse effect within Wild and Scenic River Boundaries,
- Invade the area or unreasonably diminish the river outside Wild and Scenic River Boundaries, or
- Have an adverse effect on the natural, cultural, and/or recreational values of a NRI segment.

Consult with the appropriate federal/state/local/tribal Managing Agency(s), pursuant to Section 7 of the Act, to determine if the proposed project may have an adverse effect on a Wild & Scenic River or a Study River and, if so, to determine the appropriate avoidance or mitigation measures.

#### Select one:

The Managing Agency has concurred that the proposed project will not alter, directly, or indirectly, any of the characteristics that qualifies or potentially qualifies the river for inclusion in the NWSRS.

→ *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Provide documentation of the consultation (including the Managing Agency's concurrence) and any other documentation used to make your determination.*

The Managing Agency was consulted, and the proposed project may alter, directly, or indirectly, any of the characteristics that qualifies or potentially qualifies the river for inclusion in the NWSRS.

→ *The RE/HUD must work with the Managing Agency to identify mitigation measures to mitigate the impact or effect of the project on the river.*

### Worksheet Summary

Provide a full description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your program or region

**Include all documentation supporting your findings in your submission to HUD.**

Puerto Rico has only three Wild and Scenic Rivers which are located in the east side of the Island, approximately 89 miles to the northeast of the project site. The proposed project locates in the southwest side of Puerto Rico. For this reason, would be not impact to Wild and Scenic Rivers. The Project complies with the Wild and Scenic Rivers Act of 1968, particularly section 7(b) and (c). Refer to map at Appendix B



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WASHINGTON, DC 20410-1000

## Environmental Justice (CEST and EA) – PARTNER

<https://www.hudexchange.info/environmental-review/environmental-justice>

**1. Were any adverse environmental impacts identified in any other compliance review portion of this project's total environmental review?**

Yes → *Continue to Question 2.*

No → *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below.*

**2. Were these adverse environmental impacts disproportionately high for low-income and/or minority communities?**

Yes

**Explain:**

Click here to enter text.

→ *The RE/HUD must work with the affected low-income or minority community to decide what mitigation actions, if any, will be taken. Provide any supporting documentation.*

No

**Explain:**

Click here to enter text.

→ *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below.*

### Worksheet Summary

Provide a full description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your program or region

**Include all documentation supporting your findings in your submission to HUD.**

No adverse environmental impact was identified in any other compliance review portion of this project that may disproportionately be high for low-income and/or minority communities. The Project complies with Environmental Justice Executive Order 12898.

## **Appendix B**

### **Maps**





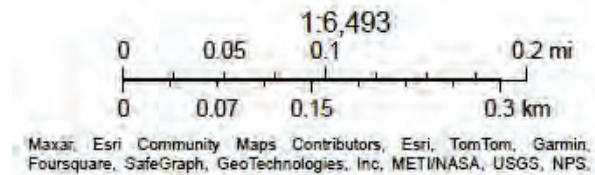
**Figure 1 Location Map**

Project Name: Campo de Soccer, Municipality of Cabo Rojo (PR-CRP-000518)

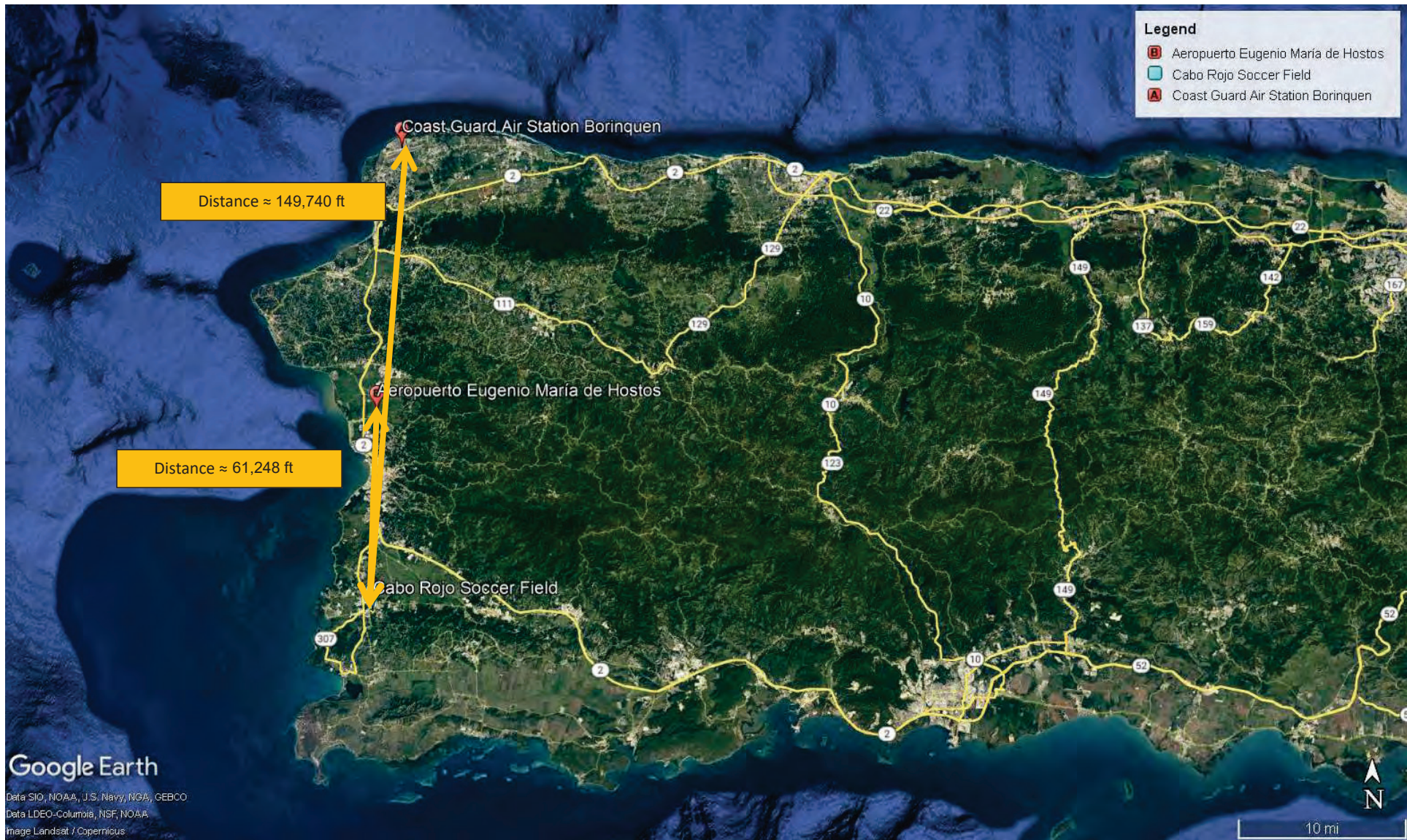
Location: 18.080846, -67.147264, Cabo Rojo, PR Complejo Deportivo Rebekah Colberg, PR-312 Km 0.4 interior 00623

Website: <https://www.arcgis.com/apps/mapviewer/index.html>

Author: AG Environmental PSC







**Figure 2 Airport Hazards Map**

Project Name: New Soccer Field, Municipality of Cabo Rojo (PR-CRP-000518)

Location: 18.080846, -67.147264

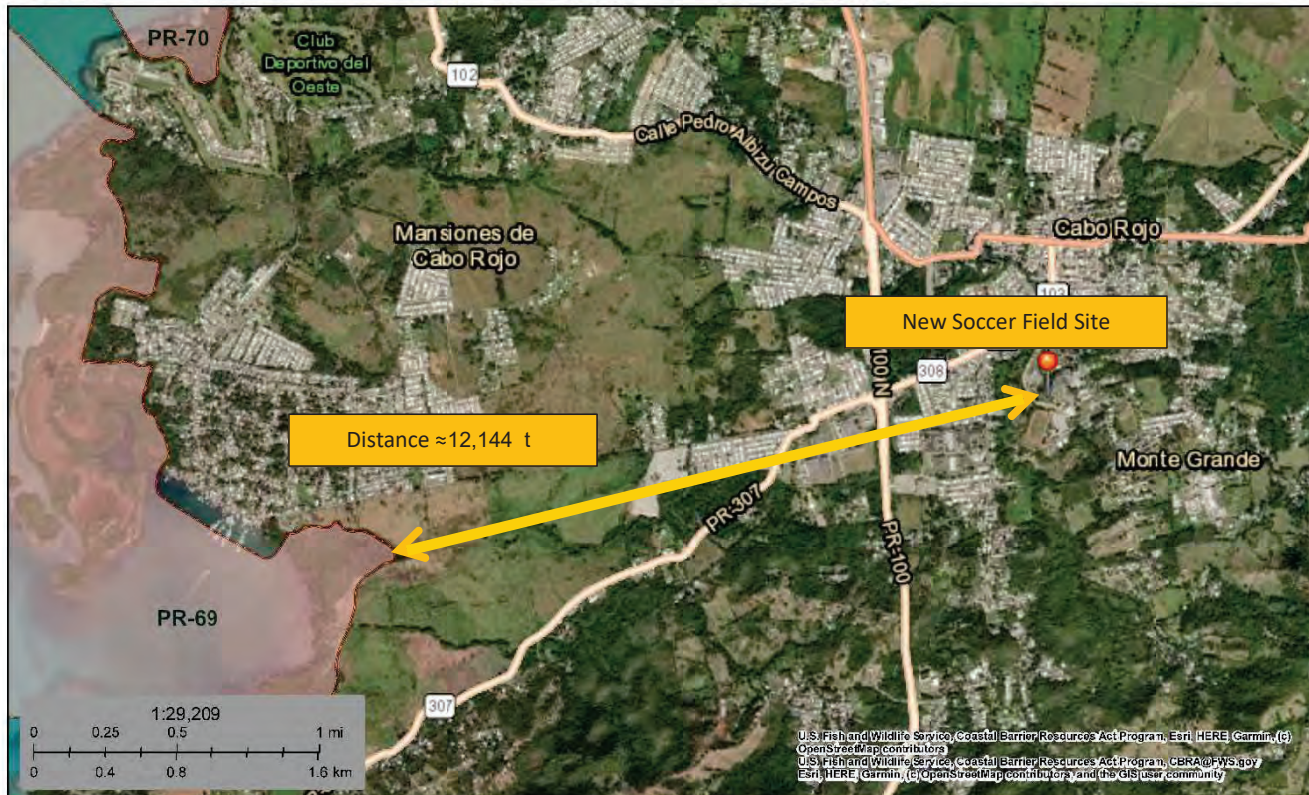
Complejo Deportivo Rebekah Colberg, PR-312 Km 0.4 interior, Cabo Rojo, PR 00623

Source: Google Earth®

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

Author: AG Environmental PSC





May 5, 2023

- CBRS Buffer Zone
- System Unit
- CBRS Units**
- Otherwise Protected Area

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/cbra/maps/index.html>. 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 (<http://www.fws.gov/cbra/Determinations.html>) 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 extent of the units is not shown in the CBRS mapper.

This page was produced by the CBRS Mapper

**Figure 3 Coastal Barrier Resources Map**

Project Name: New Soccer Field, Municipality of Cabo Rojo (PR-CRP-000518)

Coordinates: 18.080846, -67.147264

Complejo Deportivo Rebekah Colberg, PR-312 Km 0.4 interior, Cabo Rojo, PR 00623

Source: USFWS Coastal Barrier Resources System

<https://fwsprimary.wim.usgs.gov/CBRSMapper v2/>

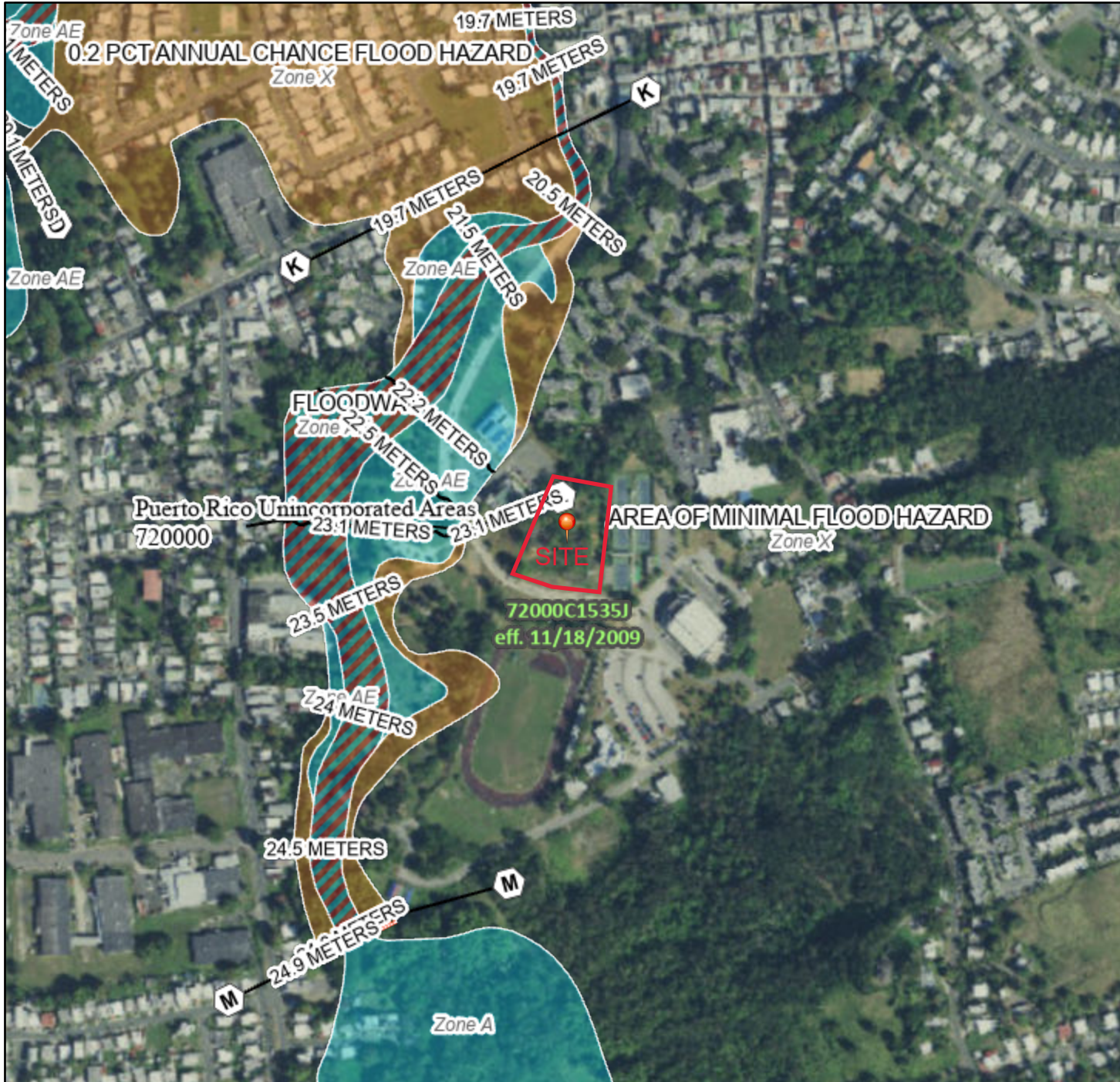
Author: AG Environmental PSC



# National Flood Hazard Layer FIRMette



67°9'9"W 18°5'8"N Road 312 Km. 0.4 Interior, Monte Grande Ward, Cabo Rojo, PR 00623



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

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

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

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

GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall

OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance
		17.5 Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature

MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

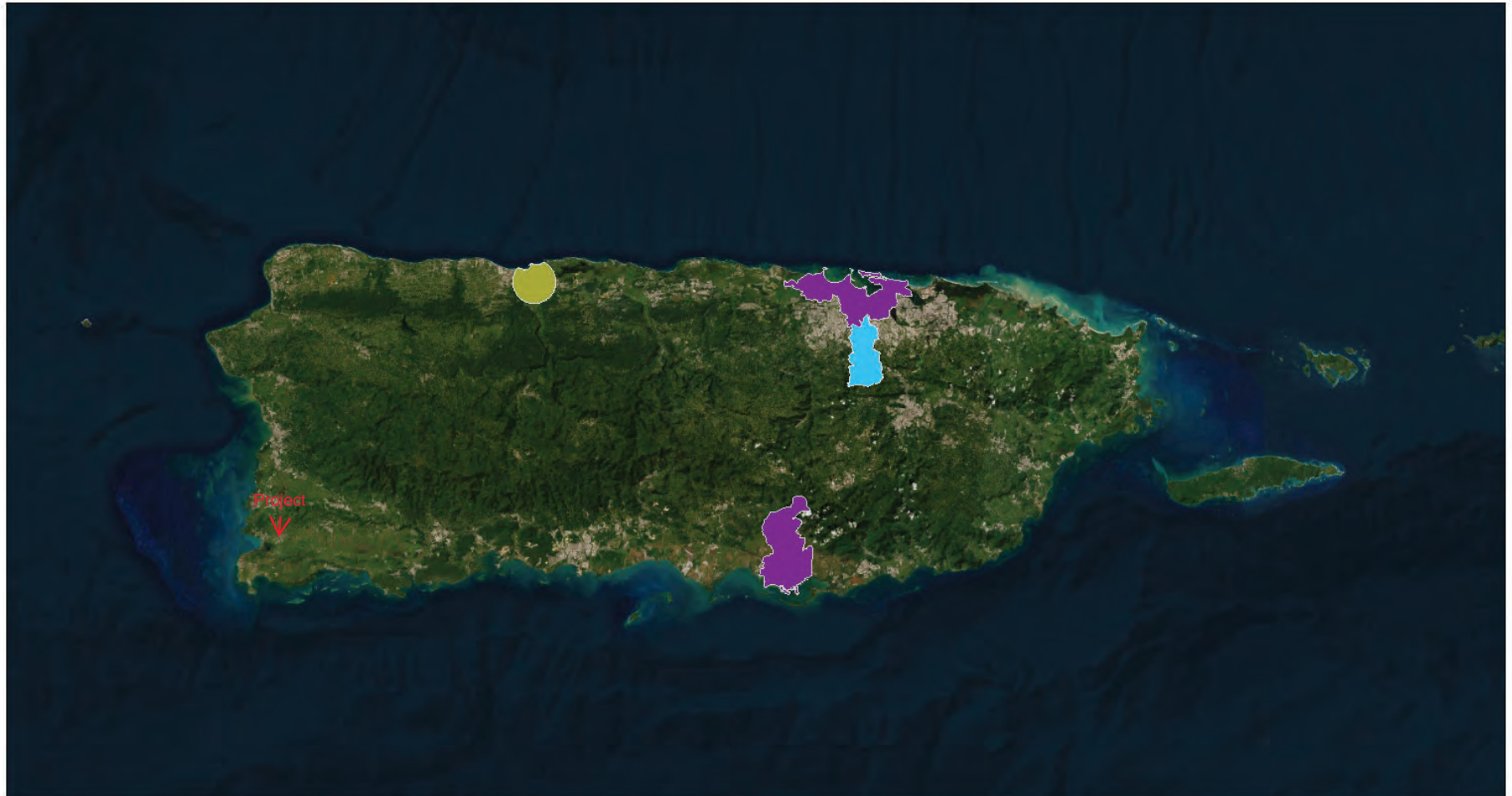
The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **1/17/2023 at 3:30 PM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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



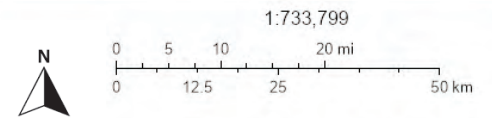
Figure 5 Clean Air Nonattainment/Maintenance Map

PR-CRP-000518 Campo de Soccer  
PR-312 Km 0.4 interior, Cabo Rojo, PR 00623  
Coordinates 18.080846, -67.147264



May 22, 2024

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



Earthstar Geographics, U.S. EPA Office of Air and Radiation (OAR) - Office of Air Quality Planning and Standards (OAQPS)

Figure 5

PR-CRP-000518 Campo de Soccer  
 PR 312 kM 0.4 Interior, Cabo Rojo, PR 00623  
 Coordinates 18.080846, -67.147264

You are here: [IPAHome](#) > [Green Book](#) > ... > [Level IIIU>I'ohlanl ttamalio](#) > Puerto Rico > ... > [S for Each COlny 1J Year I rAI Cleria Pdka u](#)

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

Data is current as of March 31, 2024

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

\*The 1997 Primary Annual PM-2.5 NAAQS (level of 15.1 μg/m³) is reworked in attainment and maintenance areas for that NMQS. For additional information see the PM-2.5 NAAQS SIP Requirements Final Rule, effective October 24, 2016. [EPA F.R. 580091](#).

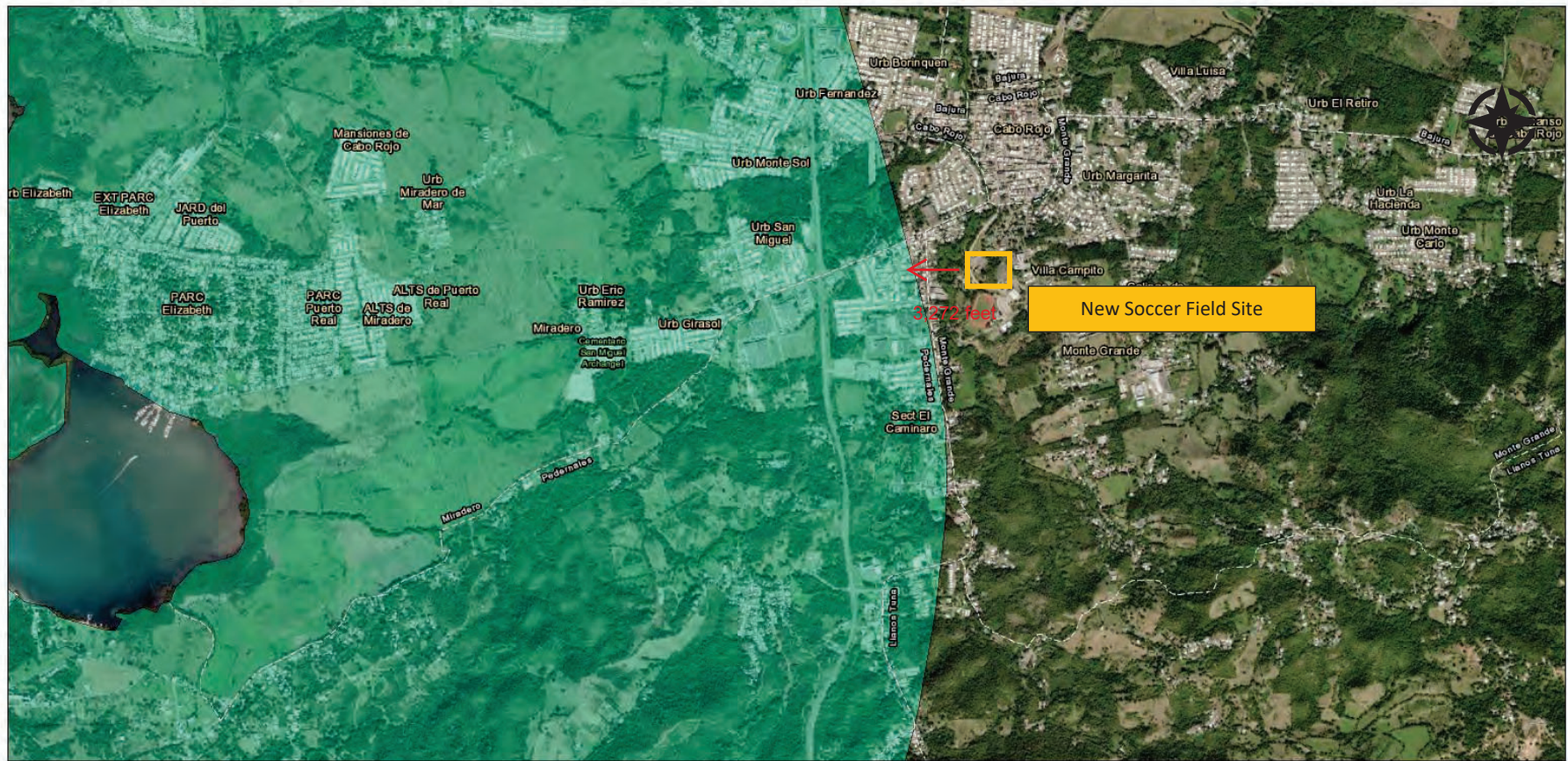
Change the State:

Important Notes

[Download National Dataset](#) - [M](#) | [K](#) | [D](#) | [I](#) | [O](#)

County	NMQS	Area Name	Nonattainment Year	Redesignation to Maintenance	Classification	Whole or Part County	Population (2010)	State/County FIPS Codes
PUERTO RICO								
Aguado Municipio	Lea (2001)	Aredbo, ffi	2001	II		Part	32,185	72/013
Bayamon Municipio	PM10 (2010)	San Juan, PR	2010	II		Part	22,921	72/011
San Juan Municipio	PM10 (2010)	San Juan, PR	2010	II		Whole	28,140	72/033
Guaynabo Municipio	PM10 (1987)	Municipio de Guaynabo, ffi	1987	02/11/2010	Moderate	Part	90,470	72/061
Guaynabo Municipio	PM10 (2010)	San Juan, PR	2010	II		Part	23,802	72/061
Salinas Municipio	PM10 (2010)	Guayama-Salinas, ffi	2010	I		Part	23,401	72/123
San Juan Municipio	Sulfur dioxide (2010)	San Juan, ffi	2010	I		Part	147,963	72/127
Tea Baja Municipio	PM10 (2010)	San Juan, PR	2010	II		Part	52,441	72/137



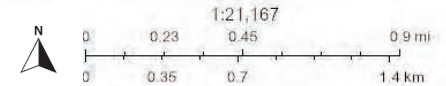


5/5/2023

World Boundaries and Places  
 Coastal Zone Land Boundary  
 World Imagery

Low Resolution 15m Imagery  
 High Resolution 60cm Imagery  
 High Resolution 30cm Imagery

Citations  
 4.8m Resolution Metadata



Esri, HERE, Garmin, IPC, Maxar

### Figure 6 Coastal Zone Management Map

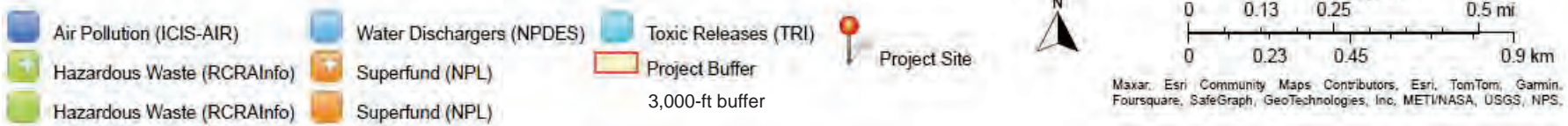
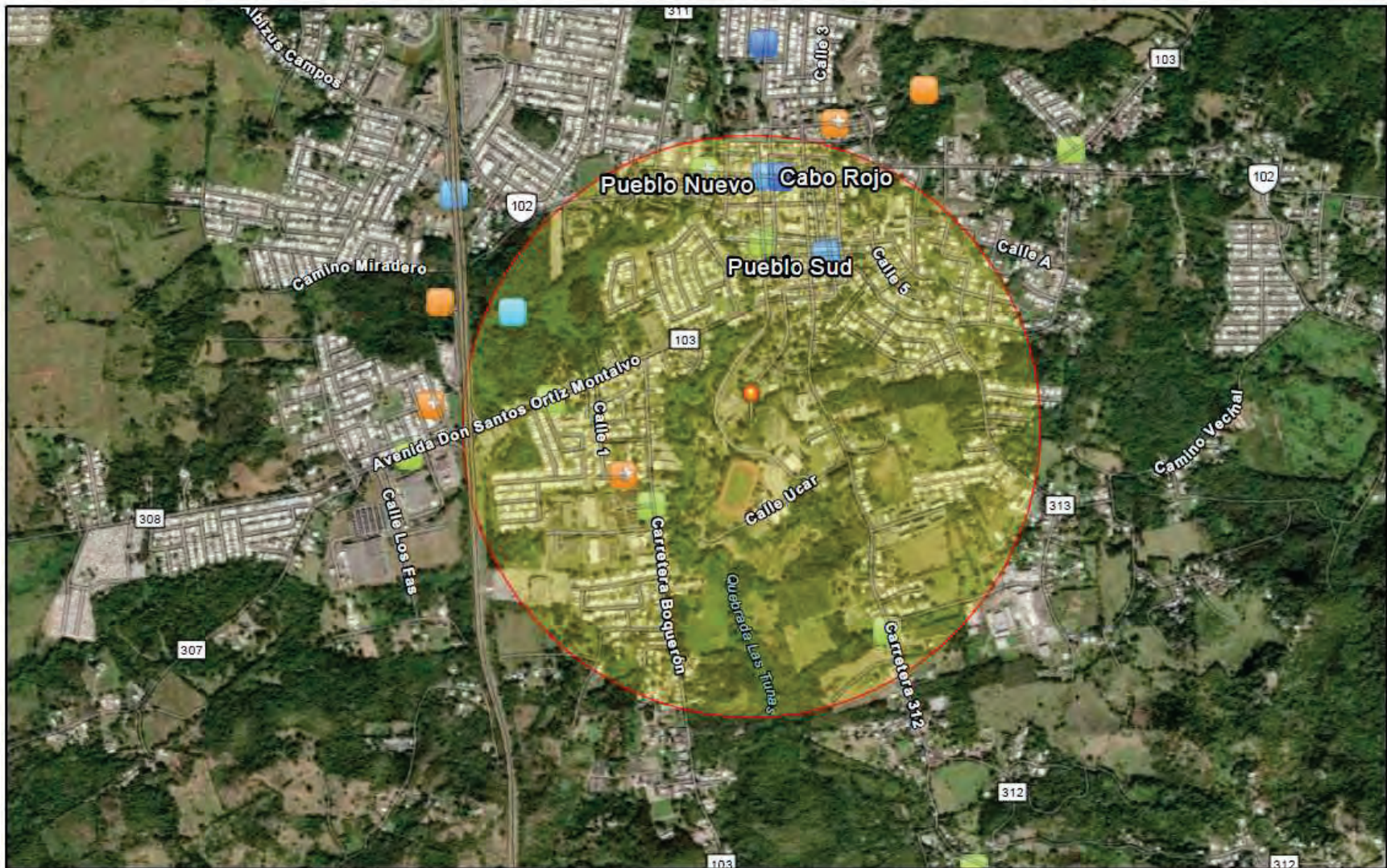
Project Name: New Soccer Field, Municipality of Cabo Rojo (PR-CRP-000518)

Location: Coordinates 18.080846, -67.147264 Complejo Deportivo Rebekah Colberg, PR-312 Km 0.4 interior, Cabo Rojo, PR 00623 Source: Puerto Rico Coastal Vulnerability Viewer

Website: <https://www.arcgis.com/apps/mapviewer/index.html?webmap=1d0eff6661f340dcabb0e9928d01ec57>

Author: AG Environmental PSC

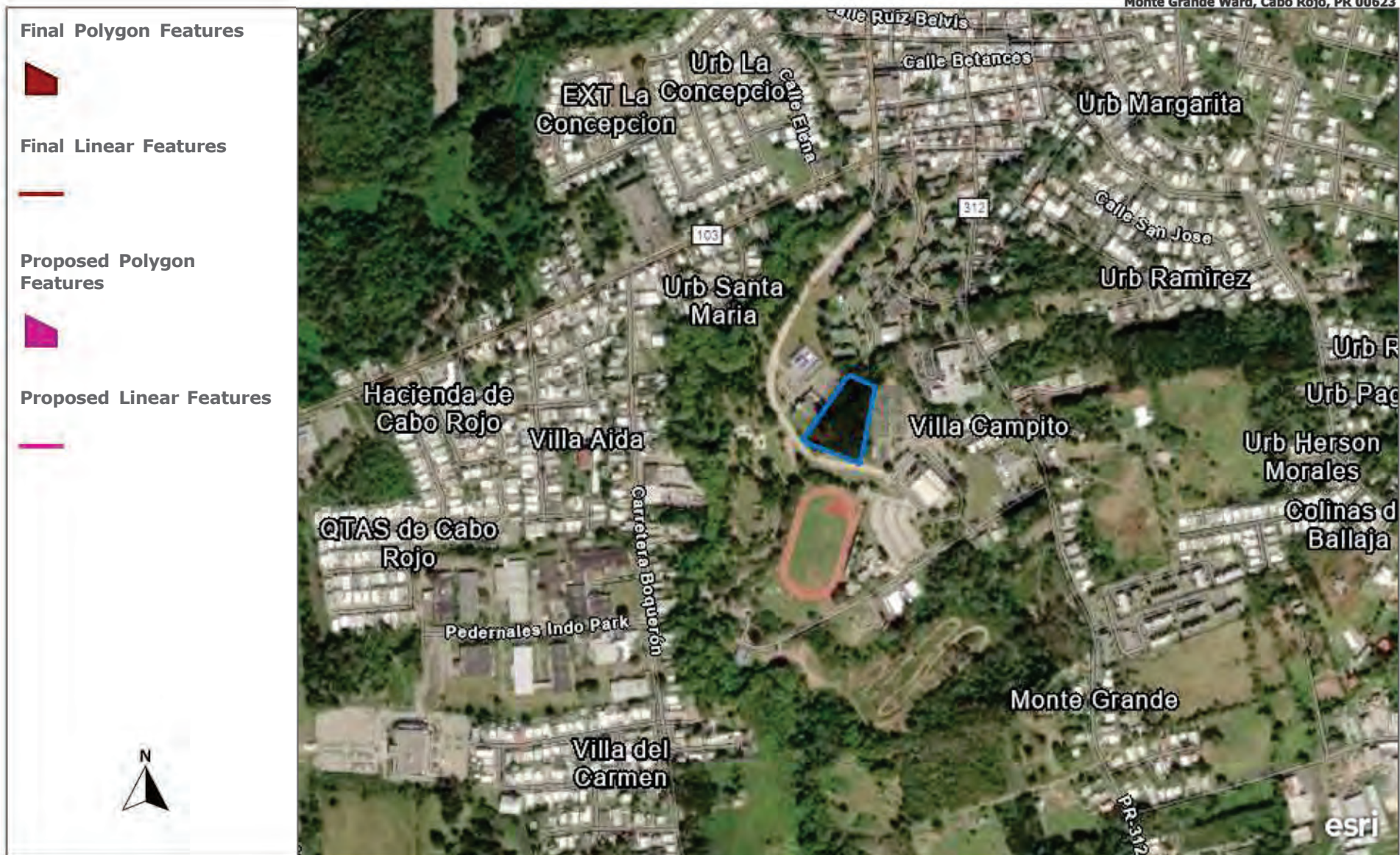




**Figure 7 Contamination and Toxic Substances Map**

Project Name: New Soccer Field, Municipality of Cabo Rojo (PR-CRP-000518)  
 Location Coordinates 18.080846, -67.147264 Complejo Deportivo Rebekah Colberg, PR-312 Km 0.4 interior, Cabo Rojo, PR 00623  
 Website: <https://nepassisttool.epa.gov/nepassist/nepamap.aspx>  
 Author: AG Environmental PSC

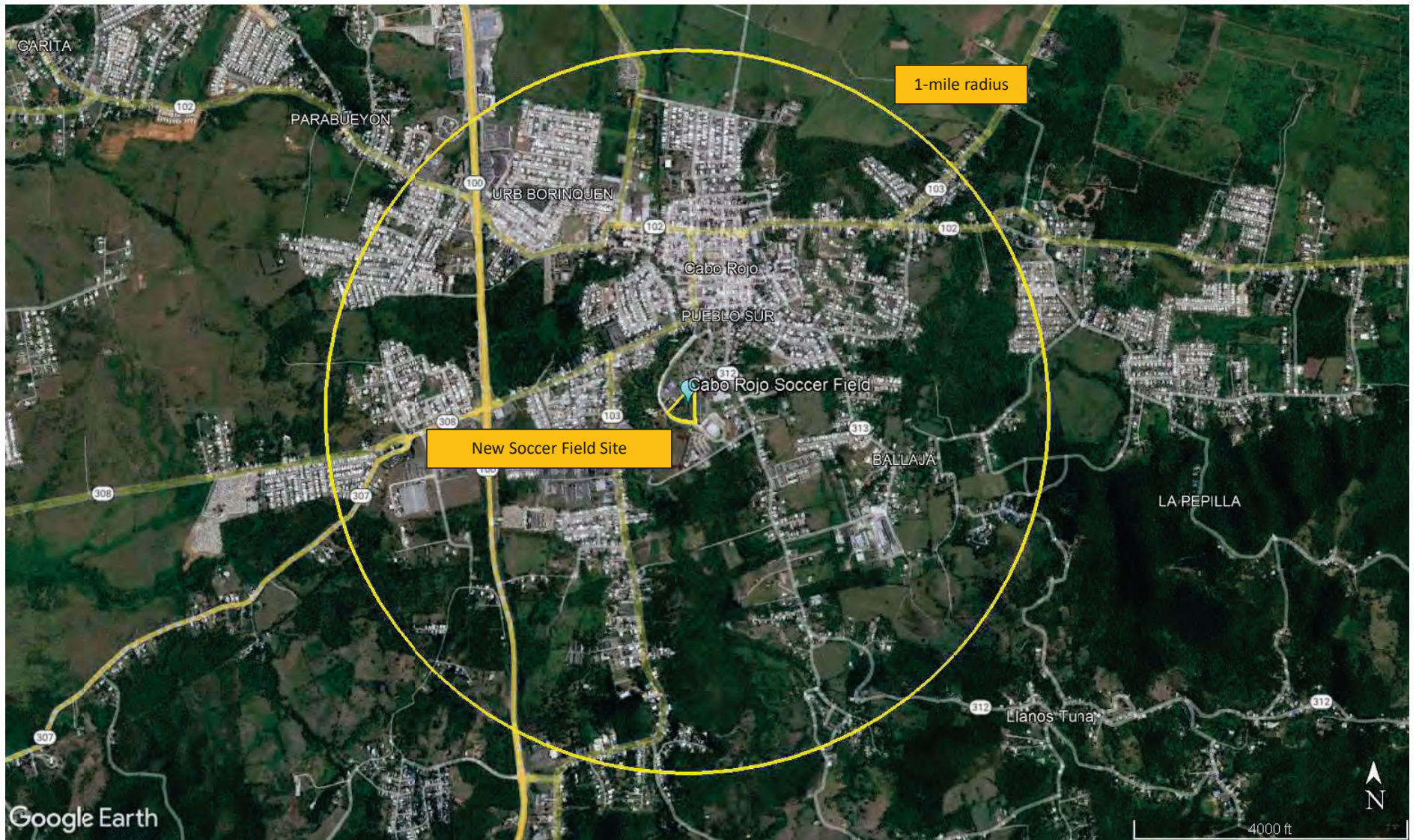




A specific geographic area(s) that contains features essential for the conservation of a threatened or endangered species and that may require special management and protection.

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





**Figure 9 Explosive and Flammable Hazards Map**

Project Name: New Soccer Field, Municipality of Cabo Rojo (PR-CRP-000518)

Location: Coordinates 18.080846, -67.147264 Complejo Deportivo Rebekah Colberg, PR-312 Km 0.4 interior, Cabo Rojo, PR 00623

Source: Google Earth®

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

Author: AG Environmental PSC



# Figure 10 Farmlands Map PR-CRP-000518 Campo de Soccer

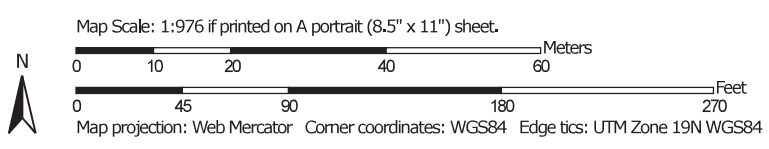
Road 312 Km. 0.4 Interior, Monte Grande Ward, Cabo Rojo, PR 00623

Coordinates 18.080846, -67.147264

Website: <https://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx>



Soil Map may not be valid at this scale.




Web Soil Survey  
National Cooperative Soil Survey

Farmland Classification-San German Area, Southwestern Puerto Rico  
(New Soccer Field, Municipality of Caba Rojo)









**MAP LEGEND**








**Area of Interest (AOI)**






 Area of Interest (AOI)








**Soils**



**Soil Rating Polygons**

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









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

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

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

-  Farmland of unique importance
-  Not rated or not available






















**Soil Rating Lines**

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

Farmland Classification-San German Area, Southwestern Puerto Rico  
(New Soccer Field, Municipality of Caba Rojo)

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

Farmland Classification-San German Area, Southwestern Puerto Rico  
(New Soccer Field, Municipality of Caba Rojo)

<ul style="list-style-type: none"> <li> Farmland of statewide importance, if drained and either protected from flooding or not frequently flooded during the growing season</li> <li> Farmland of statewide importance, if irrigated and drained</li> <li> Farmland of statewide importance, if irrigated and either protected from flooding or not frequently flooded during the growing season</li> <li> Farmland of statewide importance, if subsoiled, completely removing the root inhibiting soil layer</li> <li> Farmland of statewide importance, if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60</li> </ul>	<ul style="list-style-type: none"> <li> Farmland of statewide importance, if irrigated and reclaimed of excess salts and sodium</li> <li> Farmland of statewide importance, if drained or either protected from flooding or not frequently flooded during the growing season</li> <li> Farmland of statewide importance, if warm enough, and either drained or either protected from flooding or not frequently flooded during the growing season</li> <li> Farmland of statewide importance, if warm enough</li> <li> Farmland of statewide importance, if thawed</li> <li> Farmland of local importance</li> <li> Farmland of local importance, if irrigated</li> </ul>	<ul style="list-style-type: none"> <li> Farmland of unique importance</li> <li> Not rated or not available</li> </ul> <p><b>Water Features</b></p> <ul style="list-style-type: none"> <li> Streams and Canals</li> </ul> <p><b>Transportation</b></p> <ul style="list-style-type: none"> <li> Rails</li> <li> Interstate Highways</li> <li> US Routes</li> <li> Major Roads</li> <li> Local Roads</li> </ul> <p><b>Background</b></p> <ul style="list-style-type: none"> <li> Aerial Photography</li> </ul>	<p>The soil surveys that comprise your AOI were mapped at 1:20,000.</p> <div style="border: 1px solid black; padding: 5px;"> <p>Warning: Soil Map may not be valid at this scale.</p> <p>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.</p> </div> <p>Please rely on the bar scale on each map sheet for map measurements.</p> <p>Source of Map: Natural Resources Conservation Service Web Soil Survey URL: Coordinate System: Web Mercator (EPSG:3857)</p> <p>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.</p> <p>This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.</p> <p>Soil Survey Area: San German Area, Southwestern Puerto Rico Survey Area Data: Version 15, Sep 13, 2023</p> <p>Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.</p> <p>Date(s) aerial images were photographed: Jan 23, 2022-Mar 1, 2022</p> <p>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.</p>
--	--	--	--

## Farmland Classification

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
CsE	Consume clay, 20 to 40 percent slopes	Farmland of statewide importance	2.9	99.8%
HmD	Humatas clay, 12 to 20 percent slopes	All areas are prime farmland	0.0	0.2%
<b>Totals for Area of Interest</b>			<b>2.9</b>	<b>100.0%</b>

### Description

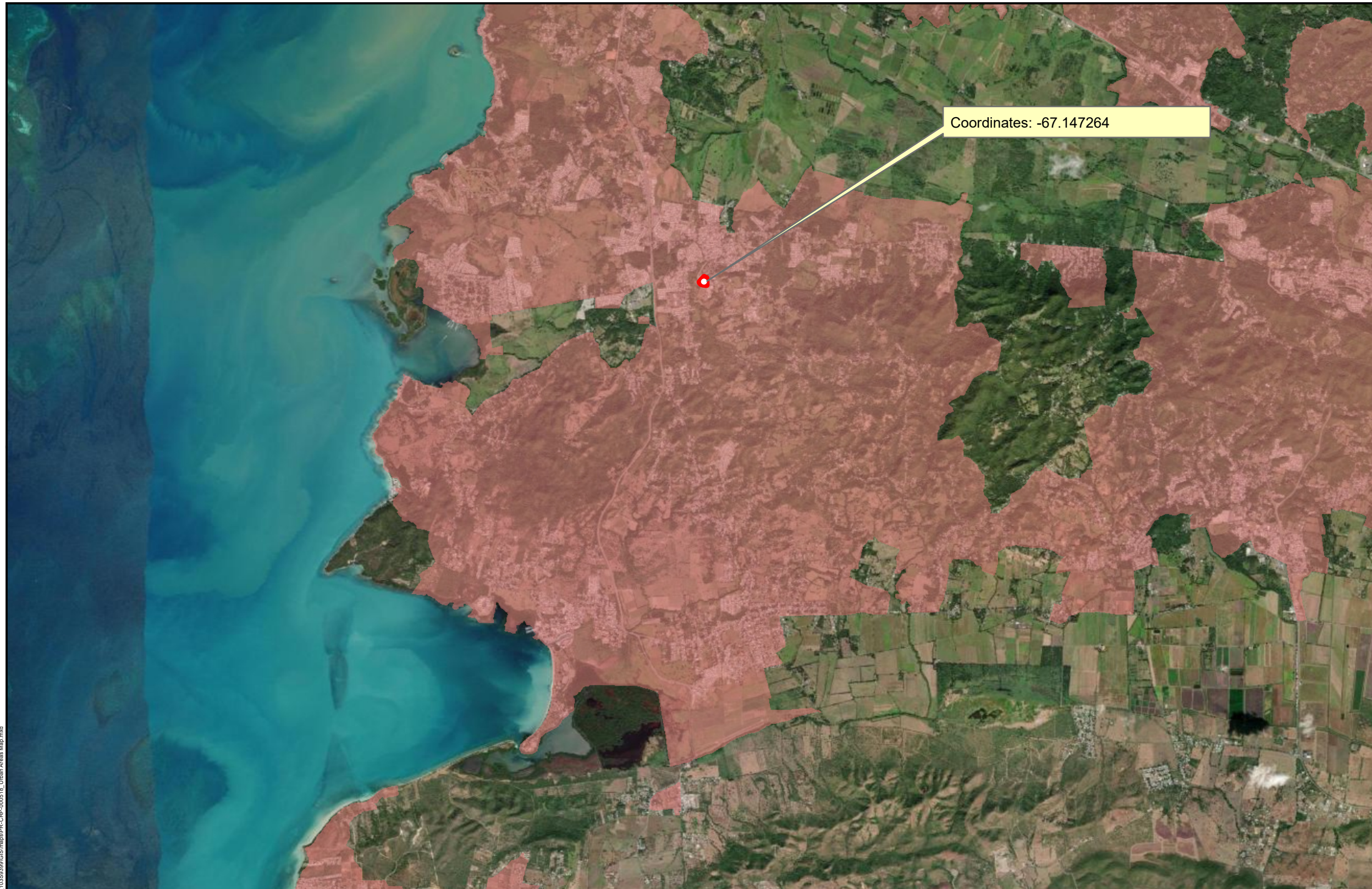
Farmland classification identifies map units as prime farmland, farmland of statewide importance, farmland of local importance, or unique farmland. It identifies the location and extent of the soils that are best suited to food, feed, fiber, forage, and oilseed crops. NRCS policy and procedures on prime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

### Rating Options

*Aggregation Method:* No Aggregation Necessary

*Tie-break Rule:* Lower





**Legend**

- Coordinates: 18.080846, -67.147264
- Project Area
- US Census Urban Areas

**PUERTO RICO**



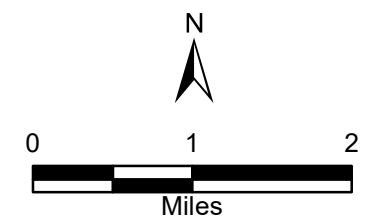
**Figure 10A Urban Areas Map**  
**Campo de Soccer, Municipality of Cabo Rojo**

**Applicant ID:** PR-CRP-000518  
**Project Coordinates:** 18.080846, -67.147264  
**Address:** Complejo Deportivo Rebekah Colberg,  
 PR-312 Km 0.4 interior, Cabo Rojo, PR 00623



Source: CRIM 2014  
 (<https://catastro.crimpr.net/cdprpc/>).  
 U.S. US Census Bureau 2023  
 (<https://www2.census.gov/geo/tiger/TIGER2023/UAC/>). ESRI 2024.

Author: Genevieve Kaiser Date: 6/13/2024





## Mapa Niveles de Inundación Base Recomendados



### Figure 11 Floodplain Management Map

Project Name: New Soccer Field, Municipality of Cabo Rojo (PR-CRP-000518)

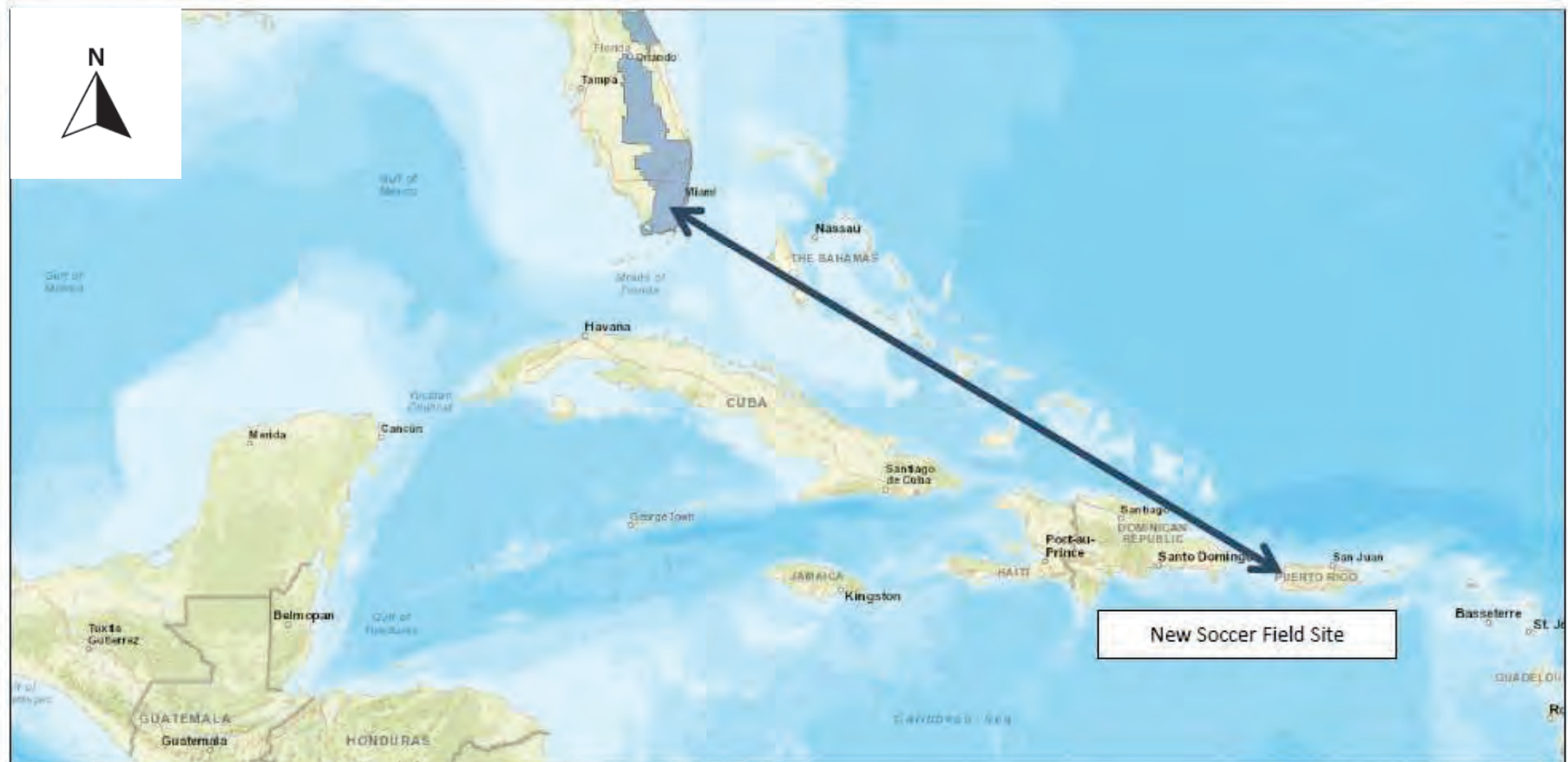
Location: Coordinates 18.080846, -67.147264 Complejo Deportivo Rebekah Colberg, PR-312 Km 0.4 interior, Cabo Rojo, PR 00623

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

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

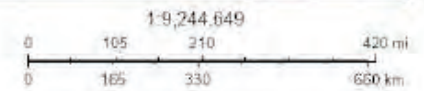
Author: AG Environmental PSC





4/3/2023, 10:23:48 AM

Sole Source Aquifers



Map by HERE, Garmin, NGA, USGS

U.S. Environmental Protection Agency

**Figure 12 Sole Source Aquifers Map**

Project Name: New Soccer Field, Municipality of Cabo Rojo (PR-CRP-000518)

Location: Coordinates 8.080846, -67.147264, Complejo Deportivo Rebekah Colberg, PR-312 Km 0.4 interior, Cabo Rojo, PR 00623

Source: USEPA Map of Sole Source Aquifer Locations

Website: <https://www.epa.gov/dwssa/map-sole-source-aquifer-locations>

Author: AG Environmental PSC



Figure 13 PR-CRP-000518 Campo de Soccer  
 Rd 312 Km 0.4, Interior, Cabo Rojo PR 00623  
 Coordinates 18.080846, -67.147264



U.S. Fish and Wildlife Service, National Standards and Support Team,  
 wetlands\_team@fws.gov

November 29, 2023

**Wetlands**

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



**Figure 14 Wild and Scenic Rivers Map**

Project Name: New Soccer Field, Municipality of Cabo Rojo (PR-CRP-000518)

Location: Coordinates 18.080846, -67.147264, Complejo Deportivo Rebekah Colberg, PR-312 Km 0.4 interior, Cabo Rojo, PR 00623

Source: US National Park Service - Interactive Map of NPS Wild and Scenic Rivers

Website: <https://nps.maps.arcgis.com/apps/View/index.html?appid=ff42a57d0aae43c49a88daee0e353142>

Author: AG Environmental PSC

**Appendix C**  
**Contamination and Toxics**



# Technical Memorandum

## Site Visit Proposed Soccer Field, Municipality of Cabo Rojo

To: To Whom It May Concern

From: Angel Garcia-Bonilla PE, Environmental Consultant

Date: June 13, 2024

---

This is to confirm that, as a result of a field reconnaissance that took place at the proposed project site in February 6, 2023, with the intent of evaluating environmental aspects pursuant to 24CFR58, it was confirmed the absence of structural components at the site that would warrant an Asbestos-Containing Materials or Lead-Based Paint survey.

All other environmental aspects related to the proposed action have been summarized in the Environmental Assessment statutory form.



DN:  
email=agarciab@bioesign.com  
Reason: I am the author of this document  
Location: San Juan, PR  
Date: 2024.06.13 15:35:25  
-04'00'

# Detailed Facility Report



## Detailed Facility Report

### Facility Summary

CABO ROJO SS 804215

CALLE SALVADOR BRAU 65, CABO ROJO, PR 00623

FRS [Facility Registry Service] ID: •10004892616  
 EPA Region: 02  
 Latitude: 18.08632  
 Longitude: -67.14698  
 Locational Data Source: FRS  
 Industries: --  
 Indian Country: N

### Enforcement and Compliance Summary

Statute	RCRA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	--
<b>C a m p L n m -</b>	<b>No Violation Identified</b>
Otrs in Noncompliance (of 12)	0
Otrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

### Regulatory Information

**Clean Air Act (CAA):** No Information  
**Clean Water Act (CWA):** No Information  
**Resource Conservation and Recovery Act (RCRA):** Inactive Other, (PRR000003707)  
**Safe Drinking Water Act (SDWA):** No Information  
[Go To Enforcement/Compliance Details](#)  
[Known Data Problems](#)

### Other Regulatory Reports

**Air Emissions Inventory (EIS):** No Information  
**Greenhouse Gas Emissions (eGGRT):** No Information  
**Toxic Releases (TRI):** No Information  
**Compliance and Emissions Data Reporting Interface (CEDRI):** No Information

## Facility/System Characteristics

### Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Active	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110004892616					N	18.08632	-67.14698
RCRAInfo	RCRA	PRR000003707	Other	Inactive			N		

### Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110004892616	CABO ROJO SS 804215	CALLE SALVADOR BRAU 65, CABO ROJO, PR 00623	Cabo Rojo Municip
RCRAInfo	RCRA	PRR000003707	CABO ROJO SS 804215	CALLE SALVADOR BRAU 65, CABO ROJO, PR 00623-3410	Cabo Rojo Municip

### Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
No data records returned			

### Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
No data records returned			

### Facility Tribe Information

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

## Enforcement and Compliance

### Compliance Monitoring History

Last 5 Years v

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

*Entries in italics are not counted as EPA official inspections.*

### Compliance Summary Data

Statute	Source ID	Current Status (19.0.f.f.1ntr.ii.2os2mQJ;f.!!S.)U.f.eY.<:1gh...9.WY_V.12f(2!!)	Current As Of	OtrswithNx(Noncompliance)(of 12)	Data Last Refreshed
RCRA	PRR0000037C7	No	09/23/2023	0	09/22/2023

### Three-Year Compliance History by Quarter

Statute	Program/Point Violation	QTR1	QTR2	QTR3	QTR4	QTR5	QTR6	QTR7	QTR8	QTR9	QTR10	QTR11	QTR12+
RCRA(SO-Trace ID: PRR000003707)		10/01-12/31/20	01/01-03/31/21	04/01-06/30/21	07/01-09/30/21	10/01-12/31/21	01/01-03/31/22	04/01-06/30/22	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23
Facility-Level Status		No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
Violation	Agency												

### Informal Enforcement Actions

Last 5 Years v

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

No data records returned

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

### Formal Enforcement Actions

Last 5 Years v

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

No data records returned

## Environmental Conditions

### Watersheds

12-Digit WBD (Watershed Boundary Dataset) HUC (BAO/Reach Address Database)	Watershed Name (BAO/Reach Address Database)	State Water Body Name (Interfaced Compliance Information \$, !!!!!)	Beach Closures Within Last Year	Beach Closures Within Last 5 Years	Pollutants Potentially Related to Impairment	Watershed with § 303(d)-listed Aquatic Species?
--	---	---	---------------------------------	------------------------------------	--	---

No data records returned

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

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

No data records returned

### Air Quality Nonattainment Areas

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

No data records returned

## Pollutants

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

TRI Facility ID	Year	Total Air Emissions	Surface Water Discharges	(f.f.,Sfita T., nMra lof.QDia.(f.M.Q)ic.;Y.,QY.f.ile.d.TLl.Jl.f.Jl.U.Y.f.2L)	Underground Injections	Releases to Land	Total On-Site Releases	Total OJ.&Ttandara
-----------------	------	---------------------	--------------------------	--	------------------------	------------------	------------------------	--------------------

No data records returned

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

Chemical Name
---------------

No data records returned

### QA/C.I.un...V.II.filtr.A;1) Discharge Monitoring Report (DMR) Pollutant Loadings

[DMR and TRI Multi-Year Loading ReP-ort](#)

No data records returned

## Community

### Environmental Justice

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

EJScreen Indexes Shown

Related Reports

[EJScreen Community RePort](#)

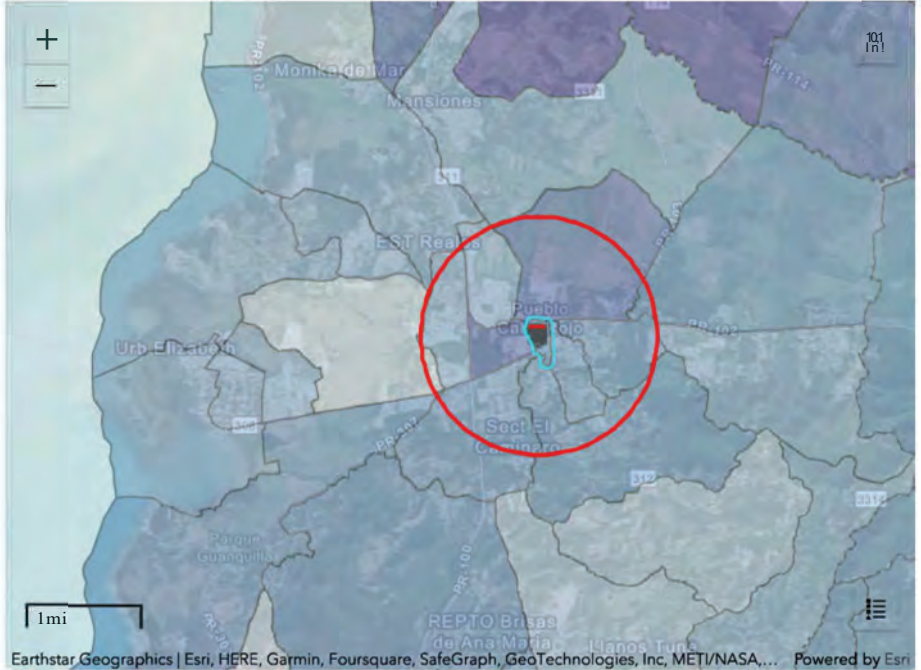
Compare to @ US @ State

Index Type @ Environmental Justice @ Supplemental

Download Data

Supple-1 Ind-	Facility	1-mile Mu
Count of Industrial Air Releases	5	6
Perchlorate Matter	0	-
Ozone	0	-
Diesel Particulate Matter	0	14
Air Toxics Cancer Risk	0	36
Air Toxics Respiratory Hazard Index	34	38
Toxic Releases to Air	90	95
Traffic Proximity	99	99
Lead Paint	98	99
Public Water Treatment Plant (RMP) Proximity	65	84
Hazardous Waste Proximity	59	75
Superfund Proximity	99	99
Underground Storage Tanks (UST)	99	99
Wastewater Discharge	78	99

0 Facility 1-mile Radius D Facility Census Block Group



Demographic Profile of Surrounding Area (1 mile)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2010 U.S. Census and 2017 - 2021 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. EPA's spatial processing methodology considers the overlap between the selected radii and the census blocks (for U.S. Census demographics) and census block groups (for ACS demographics) in determining the demographics surrounding the facility. For more detail about this methodology, see the [DFR Data Dictionary](#).

General Statistics (U.S. Census)	
Total Persons	101359
Population Density	1,333/5cpni
Housing Units in Area	4,932

Age Breakdown (U.S. Census)- Persons(%)	
Children 5 years and younger	578 (6%)
Minors 17 years and younger	2,255 (22%)
Adults 18 years and older	8,104 (78%)
Seniors 65 years and older	2,336 (23%)

General Statistics (ACS)	
Total Population	9,084
Percentage of Color	100%
Households in Area	3,032
Households on Public Assistance	151
Persons With Low Income	7,030
Percentage With Low Income	78%

Race Breakdown (U.S. Census)- Persons(%)	
White	8,954 (86%)
African American	556 (5%)
Hispanic Origin	10,259 (99%)
Asian/Pacific Islander	10 (0%)
American Indian	23 (0%)
Other/Multi-racial	816 (8%)

Geography	
Radius of Surrounding Area	1mi
Total Population	18,08632
Center Longitude	-67.14698
Latitude	1000,
Water Area	(Y)

Education Level (ACS) - Persons(%)	
Less than 9th Grade	458 (7.22%)
9th, 10th, 11th Grade	457 (7.21%)
High School Diploma	1,623 (25.6%)
Some College	945 (14.91%)
Bachelor's Degree or higher	2,274 (35.87%)

Income Distribution (ACS)	
Less than \$15,000	1,148 (37.89%)
\$15,000 - \$25,000	698 (23.04%)
\$25,000 - \$50,000	575 (18.98%)
\$50,000 - \$75,000	402 (13.27%)
Greater than \$75,000	207 (6.83%)



# Detailed Facility Report



## Detailed Facility Report

### Facility Summary

CABO ROJO WOOD TREATING PLANT CORP

PR-312-313 KM 1.1 BO.BALLAJA, CABO ROJO, PR 00623

FRS (Facility) Registry Service ID: 10000498159

EPA Region: 02

Latitude: 18.075308

Longitude: -67.143231

Locational Data Source: TRIS

Industries: Wood Product Manufacturing

Indian Country: N

### Enforcement and Compliance Summary

Statute	RCRA
Compliance Monitoring Activities (5 Yr)	-
Date of last Compliance Monitoring Activity	08/29/2011
<b>Compliance Status</b>	
Off In Noncompliance (of 12)	0
Off with Significant Violation	0
Informal Enforcement Actions (5 years)	-
Formal Enforcement Actions (5 years)	-
Penalties from Formal Enforcement Actions (5 Yr)	-
EPACases (Syndicates)	-
Penalties from EPA Offsets (5 Yr)	-

### Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): Active VSQG, (PRD987372794)

Safe Drinking Water Act (SDWA): No Information

[Go To Enforcement/Compliance Details](#)  
[Known Data Problems](#)

### Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGRT): No Information

Toxic Releases (TRI): 00623CBRJWROAD3

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

## Facility/System Characteristics

### Facility/System Characteristics

System	Statute	Identifier	Universal	Statute	Area	Permit Emission Date	Indian County	Latitude	Longitude
FRS		10000498159					N	18.075308	-67.143231
TRI	EP313	00623CBRJWROAD3	Toxic Release Inventory	la'ili Reported for-2001			N	18.075308	-67.143231
RCRA/lo	RCRA	PRD987372794	VSQG	Acct. (U)			N	18.075308	-67.143231

### Facility Address

System	Statute	Identifier	Facility Name	K1111-Add_	Facility County
FIS		10000498159	CABO ROJO WOOD TREATING PLANT CORP	R-312-313 KM 1.1 BO.BALLAJA, CABO ROJO, PR 00623	Cabo Rojo Municipio
TRI	EP31J	00623CBRJWROADJ	CABO ROJO WOOD TREATING PLANT CORP	RD 312-313 KM1 8 0 BALLAJA, CABO ROJO, PR 00623	Cabo Rojo Municipio
RCRA/ro	RCRA	PRD987J72794	CABO ROJO WOOD TREATING PLT CORP	CARR31231:1 KM 1,1,CABOJOJO, PR00623	Cabo Rojo Municipio

### Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
No data records returned			

### Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
TRI	00623CBRJWROAD3	321114	Wcoc Preservation

### Facility Tribe Information

Reservation Name	Tribe Name	EPATribal ID	Distance to Tribe (miles)

No data records returned

## Enforcement and Compliance

### Compliance Monitoring History

Lasts Years v

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

No data records returned

Entries in italics are not counted as EPA official inspections.

### Compliance Summary Data

Sblute	Sourc.ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Number of Violations (of 12)	Default Refreshed
ICRA	PRD987372794	Na	09/23/2023	0	09/22/2023

### Three-Year Compliance History by Quarter

Program/Pollutant Violation	QTR1	QTR2	QTR3	QTR4	QTR5	QTR6	QTR7	QTR8	QTR9	QTR10	QTR11	QTR12+
RCRA (Source ID: PRD987372794)	10/01-12/31/20	01/01-03/31/21	04/01-06/30/21	07/01-09/30/21	10/01-12/31/21	01/01-03/31/22	04/01-06/30/22	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23
Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
Violation Agency												

### Informal Enforcement Actions

Lasts Years v

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

No data records returned

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

### Formal Enforcement Actions

Last 5 Years v

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

No data records returned

## Environmental Conditions

### Watersheds

12-Digit WBD (Y., f. l. t. r. u. Database) HUC (Reach Address Database)	WBD (Watershed Boundary Dataset) Subwatershed Name (BAQ (Reach Address))	State Water Body Name (Integrated Compliance Information)	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?
---	--	---	---------------------------------	--------------------------------------	--	---

No data records returned

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

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

No data records returned

### Air Quality Nonattainment Areas

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

No data records returned

## Pollutants

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

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

No data records returned

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

Chemical Name
---------------

No data records returned

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

DMR and TRI Multi-Year Loading, full report

No data records returned

## Community

## Environmental Justice

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

### EJScreen Indexes Shown

Compare to  US  State

Index Type  Environmental Justice  Supplemental

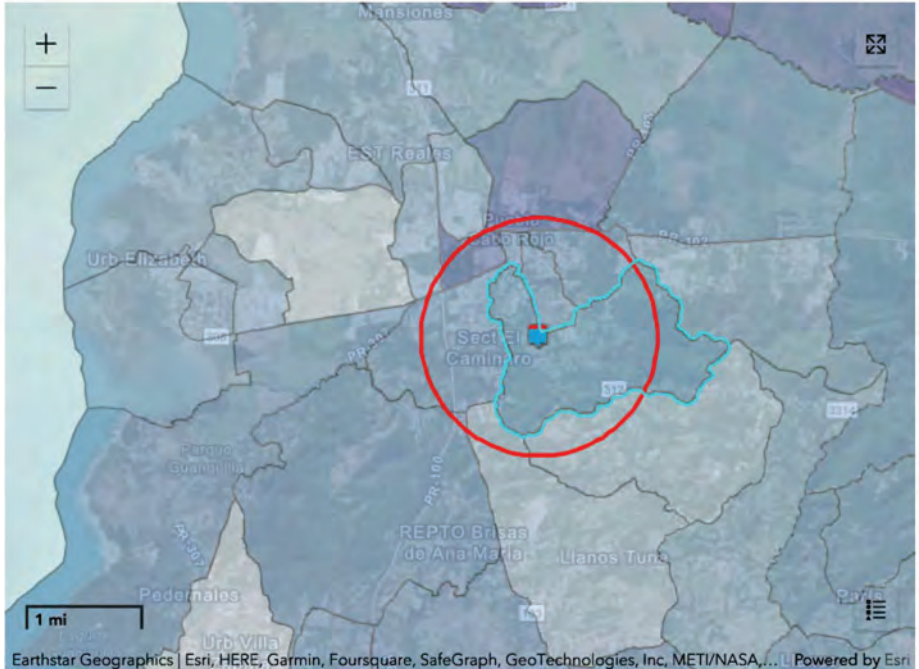
### Related Reports

[EJScreen Community Report](#)

### Download Data

Census Block Group ID: 720238301023	US (Percentile)	
Superfund	Environmental Justice	Supplemental
Count of Industries At or Above 80th Percentile	5	6
Particulate Matter 2.5	0	-
Ozone	0	-
Diesel Particulate Matter	10	10
Air Toxic Weighted Risk	36	36
Air Toxic Weighted Hazard Index	38	40
Toxic Releases to Air	94	94
Traffic Proximity	71	99
Lead Paint	94	99
Risk Management Plan (RMP) Facility Proximity	69	76
Hazardous Waste Proximity	70	70
Superfund Proximity	99	99
Underground Storage Tanks (UST)	99	99
Wastewater Discharge	99	99

0 Facility 1-mile Radius 0 Facility Census Block Group



### Demographic Profile of Surrounding Area (1 mile)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2010 U.S. Census and 2017 - 2021 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. EPA's spatial processing methodology considers the overlap between the selected radii and the census blocks (for U.S. Census demographics) and census block groups (for ACS demographics) in determining the demographics surrounding the facility. For more detail about this methodology, see the [DFR Data Dictionary](#).

General Statistics (U.S. Census)	
Total Persons	7,525
Population Density	2,385/sq.mi.
Housing Units in Area	1,671

General Statistics (ACS)	
Total Persons	6,510
Percent People of Color	100%
Households in Area	2,204
Households of Public Assistance	141
Persons With Low Income	5,262
Percent With Low Income	81%

Geography	
Radius of Selected Area	1 mile
Volume Length	18,075,308
Center Longitude	-67.143231
Longitude	1.000
West Area	0.000

Income Breakdown (ACS)	
More than \$15,000	891 (40.46%)
\$15,000 - \$25,000	524 (23.81%)
\$25,000 - \$50,000	440 (19.98%)
\$50,000 - \$75,000	223 (10.14%)
Less than \$7,500	124 (5.63%)

Age Breakdown (U.S. Census)	
Children 5 years and younger	492 (7%)
Minors 17 years and younger	1,757 (23%)
Adults 18 years and older	5,768 (77%)
Seniors 65 years and older	1,656 (22%)

Race Breakdown (U.S. Census)	
White	6,411 (85%)
Black or African American	4,115 (53%)
Hispanic or Latino	7,445 (99%)
Asian or Pacific Islander	7 (0%)
American Indian or Alaska Native	17 (0%)
Other/Multiracial	675 (9%)

Education Level (ACS)	
Less than 9th Grade	402 (9.48%)
9th through 12th Grade	341 (8.07%)
High School Diploma	1,143 (28.96%)
Some College/2-year	705 (16.63%)
Bachelor's Degree or higher	1,111 (28.57%)

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DATA REFRESH INFORMATION



# Detailed Facility Report



## Detailed Facility Report

### Facility Summary

CABO ROJO PROFESSIONAL DRY CLEANER INC

50 CARBONE I ST, CABO ROJO, PR 00623

FRS (Facility): Registry ID: 10004895962

EPA Region: 02

Latitude: 18.088177

Longitude: -67.146434

Locational Data Source: FRS

Industries: Personal and Laundry Services

Indian Country: N

### Enforcement and Compliance Summary

Statute	CAA
Compliance Monitoring Activity (5 years)	-
Date of last Compliance Monitoring Activity	-
<b>Compliance Status</b>	<b>No Violation Identified</b>
0111 in Noncompliance (of 121)	0
0111 with Significant Violation	0
Informal Enforcement Actions (5 years)	-
Formal Enforcement Actions (5 years)	-
Penalties from Formal Enforcement Actions (5 years)	-
EPA Cases (Years)	-
Violations from EPA OI (5 years)	-
Statute	RCRA
Compliance Monitoring Activity (5 years)	-
Date of Last Compliance Monitoring Activity	04/14/2016
<b>Compliance Status</b>	<b>No Violation Identified</b>
0111 in Noncompliance (of 121)	0
0111 with Significant Violation	0
Informal Enforcement Actions (5 years)	-
Formal Enforcement Actions (5 years)	-
Penalties from Formal Enforcement Actions (5 years)	-
EPA Cases (Years)	-
Violations from EPA OI (5 years)	-

### Regulatory Information

Clean Air Act (CAA): Permanently Closed Minor (PR0000007202300002)

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): Active VSQG, (PRR000013433)

Safe Drinking Water Act (SDWA): No Information

[Go To Enforcement/Compliance Details](#)  
[Known Data Problems](#)

### Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

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

## Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		11000499992					N	18.088177	-67.146434
ICIS-Air	CAA	PR000007202300002	Minor Emissions	Permanently Closed			N	18.088177	-67.146434
SEMS	CERCLA	PRR000013433		NOT ON THE NPL			N	18.090305	-67.148223
RCRAInfo	RCRA	PRR000013433	VSQG	Active(H)			N	18.088275	-67.147964

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		11000499992	CABO ROJO PROFESSIONAL DRY CLEANER INC	50 CARBONEL ST. CABO ROJO, PR 00623	Cabo Rojo Municipio
ICIS-Air	CAA	PR000007202300002	CABO ROJO PROFESSIONAL DRY CLEANER	50 ST. CARBONEL. CABO ROJO, PR 00623	Cabo Rojo Municipio
SEMS	CERCLA	PRR000013433	CABO ROJO PROFESSIONAL DRY CLEANERS	50 CALLE CARBONEU. CABO ROJO, PR	Cabo Rojo Municipio
RCRAInfo	RCRA	PRR000013433	CABO ROJO PROFESSIONAL DRY CLEANER INC	50 CARBONEL ST, CABO ROJO, PR 00623-1247	Cabo Rojo Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
ICIS-Air	PR000007202300002	7216	Drycleaning Plants, Except Rug

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
ICIS-Air	PR000007202300002	812320	Drycleaning and Laundry Services (except Coin-Operated)

Facility Tribe Information

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

Enforcement and Compliance

Compliance Monitoring History

Lasts Years v

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

Entries in italics are not counted as EPA official inspections.

Compliance Summary Data

Statute	Source ID	Current Significant Noncompliance/Title VI Violation	Current As Of	Outstanding (Noncompliance) (of 12)	Data Last Refreshed
CAA	PR000007202300002	No	09/23/2023	0	09/22/2023
RCRA	PRR000013433	No	09/23/2023	0	09/22/2023

Three-Year Compliance History by Quarter

Statute	Program/Pollutant Violation Type	QTR1	QTR2	QTR3	QTR4	QTR5	QTR6	QTR7	QTR8	QTR9	QTR10	QTR11	QTR12+
CAA (Source ID: PR000007202300002)		10/01-12/31/20	01/01-03/31/21	04/01-06/30/21	07/01-09/30/21	10/01-12/31/21	01/01-03/31/22	04/01-06/30/22	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	HPV History												
	Violation Type	Agency	Programs	Pollutants									
RCRA (Source ID: PRR000013433)		10/01-12/31/20	01/01-03/31/21	04/01-06/30/21	07/01-09/30/21	10/01-12/31/21	01/01-03/31/22	04/01-06/30/22	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation	Agency											

Informal Enforcement Actions

Last 5 Years v

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

No data records returned

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

Formal Enforcement Actions

Lasts Years v

Statute	System	Law/Section	Source ID	Type of Action	Case ID	Lead Agency	Case Name	Issued/Filed Date	Settlements/Actions	Settlement/Action Date	Federal Penalty Assessed	State/Local Penalty Assessed	Penalty Amount Collected	SEP Value	Comp Action Cost
---------	--------	-------------	-----------	----------------	---------	-------------	-----------	-------------------	---------------------	------------------------	--------------------------	------------------------------	--------------------------	-----------	------------------

No data records returned

Environmental Conditions

Watersheds

12-Digit WBD (Hydrologic Unit Code) HUC (Reaches Database)	Watershed Boundary Dataset (Watershed Boundary Dataset) Subwatershed Name (Reaches Database)	State Water Body Name (Integrated Contingency Information)	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with Section 303(d)-listed Aquatic Species?
--	--	--	---------------------------------	--------------------------------------	--	---

No data records returned

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

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

### Air Quality Nonattainment Areas

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

### Pollutants

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

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

No data records returned

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

Chemical Name
---------------

No data records returned

[DMR and TRI Multi-Year Loadings](#)

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

No data records returned

## Community

### Environmental Justice

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

#### EJScreen Indexes Shown

Compare to  US  State

Index Type  Environmental Justice  Supplemental

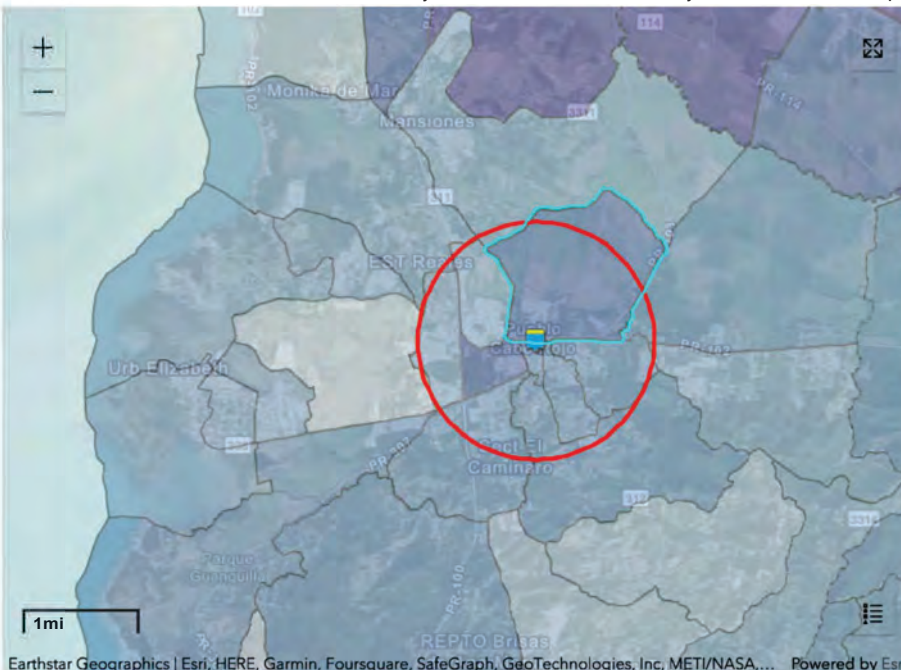
#### Related Reports

[EJScreen Community. Rel::1ot](#)

#### Download Data

Supplemental Index	Facility Census Block Group	1-mile MSA
Count of Industrial Air Releases	6	6
Particulate Matter 1.5	0	-
Ozone	0	-
Unsettled Particulate Matter	10	9
Air Toxics Cancer Risk	36	36
Air Toxics Respiratory Hazard Index	37	38
Toxic Releases to Air	95	95
Traffic Proximity	98	99
Lead Paint	87	99
Risk from Proximity to Air Releases	76	84
Hazardous Waste Proximity	67	75
Superfund Proximity	99	99
Underground Storage Tanks (UST)	96	99
Wastewater Character	86	99

Facility 1-mile Radius  Facility Census Block Group



### Demographic Profile of Surrounding Area (1 mile)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2010 U.S. Census and 2017 - 2021 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. EPA's spatial processing methodology considers the overlap between the selected radii and the census blocks (for U.S. Census demographics) and census block groups (for ACS demographics) in determining the demographics surrounding the facility. For more detail about this methodology, see the [DMR Data Dictionary](#).

General Statistics (U.S. Census Bureau)	
Total Persons	10,040
Population Density	2,273/sq. mi.
Housing Units in Area	4,779

General Statistics (U.S. Census Bureau)	
Total Persons	9,111
Percent People of Color	100%
Households in Area	3,035
Households on Public Assistance	149
Persons With Low Income	7,083
Percent With Low Income	78%

Geography	
Radius of Solely Arbo	1 mi.
County Area	18,088.177
Gender Longitude	-67.164141
Umd Area	100%
Water Area	0%

Income Breakdown (SW-Q) - Households (C)	
Less than \$15,000	1,156 (36.05%)
\$15,000 - \$25,000	714 (23.51%)
\$25,000 - \$50,000	564 (18.56%)
\$50,000 - \$75,000	400 (13.17%)
Greater than \$75,000	204 (6.71%)

Age Breakdown (U.S. Census) - Persons (%)	
Children 5 years and younger	562 (6%)
Minors 17 years and younger	2,184 (22%)
Adults 18 years and older	7,855 (78%)
Seniors 65 years and older	2,273 (23%)

Race Breakdown (U.S. Census) - Persons (%)	
White	8,692 (87%)
African-American	542 (5%)
Hispanic-Origin	9,943 (99%)
Asian/Pacific Islander	10 (0%)
American Indian	23 (0%)
Other/Multiracial	773 (8%)

Education Level (18+ years old) - Persons (%)	
Less than 9th Grade	450 (7.06%)
9th through 12th Grade	464 (7.28%)
High School Diploma	1,631 (25.59%)
Some College/Year	945 (14.83%)
Associate Degree or More	2,287 (35.88%)

LAST UPDATED 09 SEPTEMBER 21, 2022

[DATA REFRESH INFORMATION](#)



# Detailed Facility Report



## Detailed Facility Report

### Facility Summary

CUTLER HAMMER ELECTRICAL CO

PR-308 KM 0.9 PEDERNALES WARD, CABO ROJO, PR 00623

**FRS (Facility Risk Service) ID:** -10007822865  
**EPA Region:** 02  
**Latitude:** 18.07885  
**Longitude:** -67.150296  
**Locational Data Source:** TRIS  
**Industries:** Electrical Equipment, Appliance, and Component Manufacturing  
**Indian Country:** N

### Enforcement and Compliance Summary

Statute	RCRA
Compliance Monitoring Activities (5 yHrs)	-
Date of Last Compliance Monitoring Activity	01/30/2007
<b>Compliance Status</b>	<b>No Violation Identified</b>
Outs in Noncompliance (of 121)	0
Outs with Significant Violation	0
Informal Enforcement Actions (5 yHrs)	-
Formal Enforcement Actions (5 yHrs)	-
Violations from Form 1 Enforcement Actions (5 Year)	-
EPA Cases (5 yHrs)	-
Pfaffman EPA Cases (5 yHrs)	-

### Regulatory Information

**Clean Air Act (CAA):** No Information  
**Clean Water Act (CWA):** No Information  
**Resource Conservation and Recovery Act (RCRA):** Active VSQG, (PRR000012666)  
**Safe Drinking Water Act (SDWA):** No Information

[Go To Enforcement/Compliance Details](#)  
[Known Data Problems](#)

### Other Regulatory Reports

**Air Emissions Inventory (EIS):** No Information  
**Greenhouse Gas Emissions (eGRT):** No Information  
**Toxic Releases (TRI):** 00623CTLRHRD308  
**Compliance and Emissions Data Reporting Interface (CEDRI):** No Information

## Facility/System Characteristics

### Facility/System Characteristics

System	Statute	Identifier	Univ/Int	Status	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		1112112228				N	16.07885	-67.150296
TRI	EP313	00623CTLRHRD308	Toxic Release Inventory	Last Reported for 2007		N	18.07885	-67.150296
RCIA/Info	RCRA	PRR000012111	VSQG	Active(H)		N	16.092923	-67.180621

### Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		1112112228	CUTLER HAMMER ELECTRICAL CO	PR,308 KM 0.9 PEDERNALES WARD, CABO ROJO, PR 00623	Cabo Rojo Municipio
TRI	EP313	00623CTLRHRD308	CUTLER HAMMER ELECTRICAL CO	RD108 KM 0.9 PEDERNALES WARD, CABO ROJO, PR 00623	Cabo Rojo Municipio
RCIA/Info	RCRA	PRR000012111	CUTLER HAMMER - EATON	RD 308 M 0.9 PEDERNALES WARD, CABO ROJO, PR 00623	Cabo Rojo Municipio

### Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
No data records returned			

### Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
TRI	00623CTLRHRD308	335313	Switchgear, and Switchboard Apparatus Manufacturing

### Facility Tribe Information

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

No data records returned

## Enforcement and Compliance

### Compliance Monitoring History Lasts Years v

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

Entries in italics are not counted as EPA official inspections.

### Compliance Summary Data

Statute	Source ID	Compliance Monitoring Type	Current As Of	Ctrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PRR000012666	No	09/23/2023	0	09/22/2023

### Three-Year Compliance History by Quarter

Source	Progr11m/PollutanWtOlation Type	OTR1	OTR2	OTR3	OTR4	OTR5	OTR6	OTR7	OTR8	OTR9	OTR10	QTR11	QTR12+
ROIA(So-1,ca ID: PRR000012666)		10/01-12/31/20	01/01-03/31/21	04/01-06/30/21	07/01-09/30/21	10/01-12/31/21	01/01-03/31/22	04/01-06/30/22	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation Agency												

### Informal Enforcement Actions Last 5 Years v

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

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

### Formal Enforcement Actions Last 5 Years v

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

## Environmental Conditions

### Watersheds

WBD (Watershed Boundary Dataset)	State Water Body Name	Beach Closures Within Last Year	Beach Closures Within Last Two	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered, Threatened, or Listed Aquatic Species?)

No data records returned

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

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

No data records returned

### Air Quality Nonattainment Areas

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

No data records returned

## Pollutants

### Taxies Release Inventory History of Reported Chemicals Released in Pounds per Year at Site

TRI Facility ID	Year	Total Air Emissions	Surface Water Discharges	Off-Site Transfers to	Underground Injections	Releases to Land	Total On-Site Releases	Total Off-Site Transfers
No data records returned								

No data records returned

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

Chemical Name
No data records returned

No data records returned

### Discharge Monitoring Report (DMR) Pollutant Loadings

[DMR and TRI Multi-Year Loading Report](#)

No data records returned

## Community

## Environmental Justice

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

### EJScreen Indexes Shown

Compare to  US  State

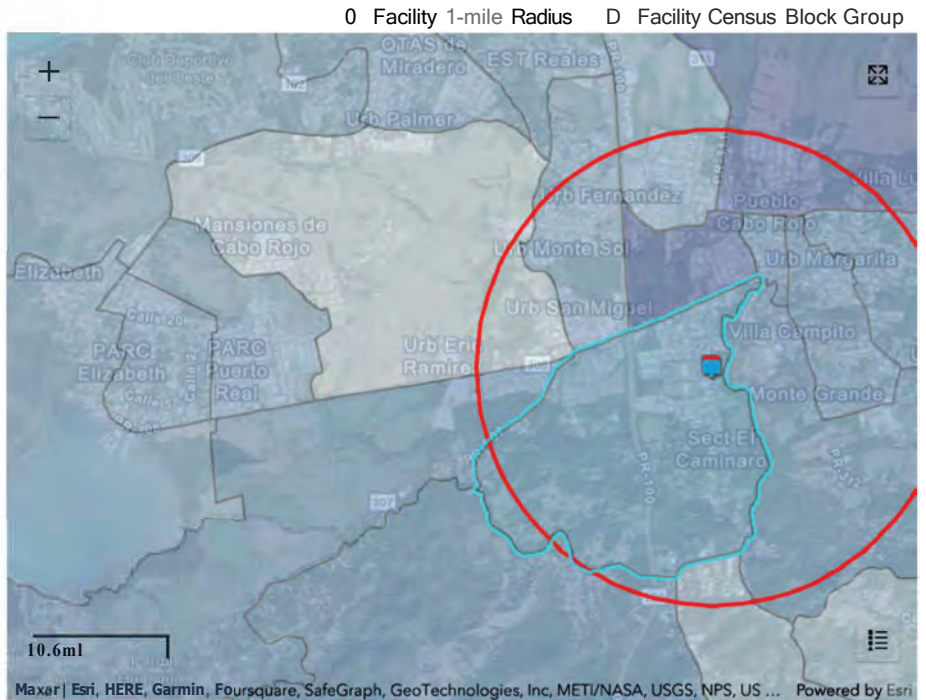
Index Type  Environmental Justice  Supplemental

### Related Reports

[EJScreen Community Re-ort](#)

Download Data

Supplemental Indexes	Facility Census Block Group	1-mile Home
Count of Ind1.;:H At at A ♦ - 80th Pw.ctnll -	5	6
Particulate Matter 2.5	0	-
Ozone	0	-
Oxide Particulate Matter	7	10
Air Toxics Cancer Risk	34	38
Air Toxics Rep/retory Hoard Index	32	40
Toxic Releases to Air	65	95
Traffic Proximity	96	99
Lead Paint	69	99
Road Managorcrit Plar, (RMP) Fichlity P,olomity	54	76
HOUldous, Wano Proximity	50	70
Supcrfund Proximity	99	99
Underground Storage. Tanks (UST)	89	99
Wa.6fchwlor Olschar_ge	96	99



## Demographic Profile of Surrounding Area (1 mile)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2010 U.S. Census and 2017 - 2021 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. EPA's spatial processing methodology considers the overlap between the selected radii and the census blocks (for U.S. Census demographics) and census block groups (for ACS demographics) in determining the demographics surrounding the facility. For more detail about this methodology, see the [DFR Data Dictionary](#).

General Statistics (U.S. Census)	
Total Persons	10,297
Population Density	3,286/sq. mi.
Household Units in Area	4,837

General Statistics (U.S. Census) - Race/Ethnicity	
Total Persons	7,696
Percent People of Color	100%
Households in Area	2,587
Households on Public Assistance	36
Persons with Low Income	5,905
Percent with Low Income	77%

Geography	
Radius of Selected Area	1 mi.
Owner-Occupied	38,078/335
Center Longitude	-67.150296
Urban Area	100%
Water Area	0%

Income Distribution (U.S. Census)	
Less than \$15,000	965 (37.36%)
\$15,000 - \$25,000	546 (21.14%)
\$25,000 - \$39,999	339 (20.87%)
\$50,000 - \$75,000	360 (13.94%)
Greater than \$75,000	113 (6.77%)

Age Breakdown (U.S. Census) - Persons (%)	
Children 5 years and younger	576 (6%)
Minors 17 years and younger	2,281 (22%)
Adults 18 years and older	8,016 (78%)
Seniors 65 years and older	2,278 (22%)

Race Breakdown (U.S. Census) - Persons (%)	
White	8,863 (86.1%)
Black or African American	524 (5%)
Hispanic or Latino	10,189 (99%)
Asian	12 (0%)
American Indian	20 (0%)
Other/Multiracial	878 (9.1%)

Education Level (Persons 25 & older) (ACS American Community Survey) - Persons (%)	
Less than 9th Grade	425 (7.96%)
9th, 11th, or 12th Grade	3,551 (65.1%)
High School Diploma	1,404 (26.29%)
Some College/2-year	857 (16.05%)
Bachelor's Degree or More	1,826 (34.19%)

LAST UPDATED 0 ♦ SEPTEMBER 21, 2022

DATA REFRESH INFORMATION



# Detailed Facility Report



## Detailed Facility Report

### Facility Summary

ESCUELA LUIS MUNOZ MARIN I

BARRIO PUEBLO NUEVO, CABO ROJO, PR 00623

FRS (Facility): **RegistID**: 10007812199

EPA Region: 02

Latitude: 18.08797

Longitude: -67.14913

Locational Data Source: FRS

Industries: --

Indian Country: N

### Enforcement and Compliance Summary

Statute	RCRA
Compliance Monitoring Activities (5 Yr)	-
Date of last Compliance Monitoring Activity	-
<b>Compliance Status</b>	<b>No Violation Identified</b>
Out of Noncompliance (of 121)	0
Out of Significant Violation	0
Informal Enforcement Actions (5 years)	-
Formal Enforcement Actions (5 years)	-
Penalties from Formal Enforcement Actions (5 Yr)	-
EPACases (Years)	-
Penalties from EPA Out of (5 Yr)	-

### Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): Inactive Other, (PRD987378783)

Safe Drinking Water Act (SDWA): No Information

[Go To Enforcement/Compliance Details](#)  
[Known Data Problems](#)

### Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGRT): No Information

Toxic Releases (TRI): No Information

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

## Facility/System Characteristics

### Facility/System Characteristics

System	Statute	Identifier	Univariate	Status	Permit Expiration Date	IndianCountry	Latitude	Longitude
ALS		10007812199				N	18.08797	-67.14913
RCRAInfo	RCRA	PRD987378783	Other	Inactive ( )		N		

### Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		10007812199	ESCUELA LUIS MUNOZ MARIN I	BARRIO PUEBLO NUEVO, CABO ROJO, PR 00623	Cabo Rojo Municipio
RCRAInfo	RCRA	PRD987378783	ESCUELA LUIS MUNOZ MARIN I	BARRIO PUEBLO NUEVO, CABO ROJO, PR 00623-0868	Cabo Rojo Municipio

### Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
No data records returned			

### Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
No data records returned			

### Facility Tribe Information

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

## Enforcement and Compliance

Compliance Monitoring History

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

*Entries in italics are not counted as EPA official inspections.*

### Compliance Summary Data

Statute	Source ID	Current Status (of 12)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PRD987378783	No	09/23/2023	0	09/22/2023

### Three-Year Compliance History by Quarter

Statute	Program/Point of Violation	QTR1	QTR2	QTR3	QTR4	QTR5	QTR6	QTR7	QTR8	QTR9	QTR10	QTR11	QTR12+
RCRA (SO <sub>2</sub> , ... ID: PRD987378783)		10/01-12/31/20	01/01-03/31/21	04/01-06/30/21	07/01-09/30/21	10/01-12/31/21	01/01-03/31/22	04/01-06/30/22	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation Agency												

Informal Enforcement Actions

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

No data records returned

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

Formal Enforcement Actions

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

No data records returned

## Environmental Conditions

### Watersheds

12-Digit WBD (Watershed Boundary Dataset) HUC (BAO (Reach Address Database))	14-Digit WBD (Watershed Boundary Dataset) Subwatershed Name LRAO (Reach Address Database)	State Water Body Name (Intergovernmental Pollution Information System)	Beach Closures Within Last Year	Beach Closures Within 1-5 Years	Pollutants Potentially Related to Impairment	Watershed with Section 303(d) (Endangered Species Act)-listed Aquatic Species?
--	---	--	---------------------------------	---------------------------------	--	--

No data records returned

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

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

### Air Quality Nonattainment Areas

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

## Pollutants

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

TRI Facility ID	Year	Total Air Emissions	Surface Water Discharges	Off-Site Transfers of QDAs (M, Q, L, V, Q, F, L, T, J, I, U, Y, Z)	Underground Injections	Releases to Land	Total On-Site Releases	Total Off-Site Releases
-----------------	------	---------------------	--------------------------	--	------------------------	------------------	------------------------	-------------------------

No data records returned

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

Chemical Name
---------------

No data records returned

### QA (C.I.U.N.V.II.FILTR.A.1) Discharge Monitoring Report (DMR) Pollutant Loadings

[DMR and TRI Multi-Year Loading ReP-ort](#)

No data records returned

## Community

### Environmental Justice

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

EJScreen Indexes Shown

Related Reports

[EJScreen Community RePort](#)

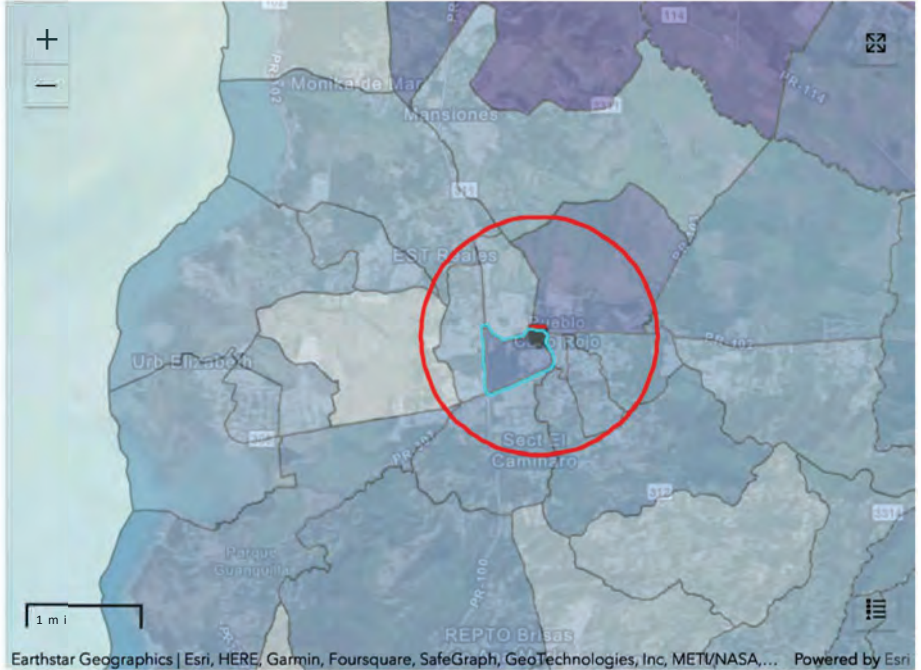
Compare to @ US @ State

Index Type @ Environmental Justice @ Supplemental

Download Data

Supplemental Index	Facility	1-mile	0.25-mile
Count of Industrial Air Releases	6	6	
Particulate Matter 2.5	0		
Ozone	0		
Diesel Particulate Matter	10	14	
Air Toxics Cancer Risk	36	36	
Air Toxics Respiratory Hazard Index	37	38	
Toxic Releases to Air	95	95	
Traffic Proximity	99	99	
Lead Paint	99	99	
Risk Management Plan (RMP) Fidelity Proximity	73	84	
Hazardous Waste Proximity	65	75	
Superfund Proximity	99	99	
Underground Storage Tanks (UST)	99	99	
Water Quality	85	99	

0 Facility 1-mile Radius D Facility Census Block Group



Demographic Profile of Surrounding Area (1 mile)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2010 U.S. Census and 2017 - 2021 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. EPA's spatial processing methodology considers the overlap between the selected radii and the census blocks (for U.S. Census demographics) and census block groups (for ACS demographics) in determining the demographics surrounding the facility. For more detail about this methodology, see the [DFR Data Dictionary](#).

General Statistics (U.S. Census)	
Total Persons	10,236
Population Density	1,308.5/sq mi
Housing Units in Area	4,868

Age Breakdown (U.S. Census) - Persons (%)	
Children 5 years and younger	568 (6%)
Minors 17 years and younger	2,229 (22%)
Adults 18 years and older	8,008 (78%)
Seniors 65 years and older	2,306 (23%)

General Statistics (ACS)	
Total Households	8,910
Population by Race	100%
Households in Area	2,962
Households on Public Assistance	145
Persons with Low Income	6,847
Person with Low Income	78%

Race Breakdown (U.S. Census) - %	
White	8,871 (87%)
African American	516 (5%)
Hispanic Origin	10,137 (99%)
Asian/Pacific Islander	10 (0%)
American Indian	23 (0%)
Other/Multi-racial	807 (11%)

Geographic Information	
Radius of Surrounding Area	1 mile
Census Tract	10,087.97
Center Longitude	-67.14913
Land Area	1,000
Water Area	

Education Level (ACS) - %	
Less than 9th Grade	438 (6.93%)
9th, 11th, 12th Grade	436 (6.9%)
High School Diploma	1,619 (25.13%)
Some College/2-year	938 (14.85%)
College Graduate or More	2,301 (36.43%)

Income Distribution (ACS)	
Less than \$15,000	1,108 (37.41%)
\$15,000 - \$25,000	6,651 (64.5%)
\$25,000 - \$50,000	560 (18.91%)
\$50,000 - \$75,000	423 (14.28%)
Greater than \$75,000	206 (6.95%)

LAST UPDATED 0 SEPTEMBER 21, 2022

[DATA REFRESH INFORMATION](#)



# Detailed Facility Report



## Detailed Facility Report

### Facility Summary

DEPT OF ED • INES MARIAM DE MUNOZ MARIN

CALLE BARBOSA FRENTE, CABO ROJO, PR 00623

FRS (Facility): **RegistID**: **Service ID**: "10007802182

EPA Region: 02

Latitude: 18.087871

Longitude: -67.146667

Locational Data Source: RCRAINFO

Industries: --

Indian Country: N

### Enforcement and Compliance Summary

Statute	RCRA
Compliance Monitoring Activities (5 Yr)	-
Date of last Compliance Monitoring Activity	-
<b>Compliance Status</b>	<b>No Violation Identified</b>
OTI in Noncompliance (of 121)	0
OTI with Significant Violation	0
Informal Enforcement Actions (5 years)	-
Formal Enforcement Actions (5 years)	-
Penalties from Formal Enforcement Actions (5 Yr.)	-
EPACases (Years)	-
Penalties from EPA OI (5 Yr.)	-

### Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): Active VSQG, (PR0000339978), Inactive Other, (PR000011171)

Safe Drinking Water Act (SDWA): No Information

[Go To Enforcement/Compliance Details](#)  
[Known Data Problems](#)

### Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGRT): No Information

Toxic Releases (TRI): No Information

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

## Facility/System Characteristics

### Facility/System Characteristics

System	Statute	Identifier	Unit/VarM	Status	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		11aacza121a				N	18.087871	-67.146667
RCRAInfo	RCRA	PR0000339978	ISOG	Active IHI		N	18.087871	-67.146667
RCRAInfo	RCRA	PR000011171	Other	Inactive IHI		N		

### Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		11aacza121a	DEPT OF ED-INES MARIAM DE MUNOZ MARIN	CALLE BARBOSA FRENTE, CABO ROJO, PR 00623	Cabo Rojo Municipality
RCRAInfo	RCRA	PR0000339978	DEPT OF ED-INES MARIAM DE MUNOZ MARIN	URBANIZATION ANA MARIA BARBOSA, CABO ROJO, PR 00623	Cabo Rojo Municipality
RCRAInfo	RCRA	PR000011171	DEPT OF ED-INES MARIAM DE MUNOZ MARIN	CALLE BARBOSA FRENTE, CABO ROJO, PR 00623	Cabo Rojo Municipality

### Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
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No data records returned

### Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
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No data records returned



### Facility Tribe Information

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

### Enforcement and Compliance

#### Compliance Monitoring History Lasts Years v

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

Entries in italics are not counted as EPA official inspections.

#### Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current A.5 01	Q1 - swithg, (No JH:Om1>nans<ll(of12>	Dam 1 - 1 Affirmed
RCRA	PR0000339978	No	09/23/2023	0	09/22/2023
RCRA	PR0000011171	No	09/23/2023	0	09/22/2023

#### Three-Year Compliance History by Quarter

Statute	Program/Pollutant Violation Type	OTR1	OTR2	OTR3	OTR4	OTR5	OTR6	OTR7	OTR8	OTR9	OTR10	QTR11	QTR12+
RCRA (Source ID: PR0000011171)		10/01-12/31/20	01/01-03/31/21	04/01-06/30/21	07/01-09/30/21	10/01-12/31/21	01/01-03/31/22	04/01-06/30/22	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23
	Facility-level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation Agency												
RCRA (Source ID: PR0000339978)		10/01-12/31/20	01/01-03/31/21	04/01-06/30/21	07/01-09/30/21	10/01-12/31/21	01/01-03/31/22	04/01-06/30/22	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23
	Facility-level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation Agency												

#### Informal Enforcement Actions Lasts Years v

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

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

#### Formal Enforcement Actions Lasts Years v

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

No data records returned

### Environmental Conditions

#### Watersheds

12-Digit WQSJ (m t. B) Dataset) HUC (B:AD(Reach Address Database))	WBD (Watershed_Boundary_Dataset) Subwatershed Name (MO (Reach Address Database))	State Water Body Name (Integrated Compliance Information)	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with (Endangered Species Act)-listed Aquatic Species?
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No data records returned

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

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

#### Air Quality Nonattainment Areas

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

### Pollutants

#### Taxies Release Inventory History of Reported Chemicals Released in Pounds per Year at Site

TRI Facility ID	Year	Total Air Emissions	Surface Water Discharges	Off-Site Transfers to (QD) t... (Y) b J... (Qn) t d J' b, l l m (d ALk, )	Underground Injections	Releases to Land	Total On-Site Releases	Total Off-Site Transfers
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No data records returned

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

Chemical Name
---------------

No data records returned

No data records returned

## Community

### Environmental Justice

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

#### EJScreen Indexes Shown

Compare to  US  State

Index Type  Environmental Justice  Supplemental

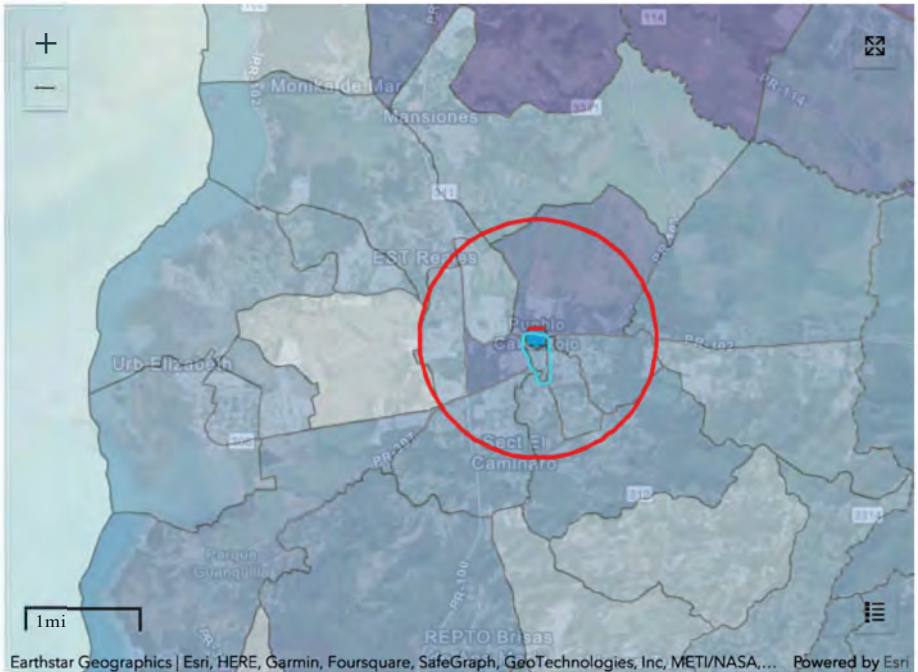
#### Related Reports

[EJScreen Community L. fumort](#)

#### Download Data

Census Block Group ID, 720238304003	US (Percentile)	US (Percentile)
Count of Inland Water Bodies	5	6
Particulate Matter 2.5	0	-
Oroné	0	-
Diesel Particulate Matter	8	14
Air Toxics Cancer Risk	35	36
Air Toxics Respiratory Hazard Index	34	38
Traffic Proximity	99	99
Lead Paint	99	99
Risk Management Plan (RMP) Facility Proximity	65	M
Hazardous Waste Proximity	59	15
Superfund Proximity	99	99
Underground Storage Tanks (UST)	99	99
Waterbody Proximity	78	99

0 Facility 1-mile Radius 0 Facility Census Block Group



### Demographic Profile of Surrounding Area (1 mile)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2010 U.S. Census and 2017 - 2021 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. EPA's spatial processing methodology considers the overlap between the selected radii and the census blocks (for U.S. Census demographics) and census block groups (for ACS demographics) in determining the demographics surrounding the facility. For more detail about this methodology, see the [DFR Data Dictionary](#).

Gono,-1 Staliltia (U.S. Census)	
Total Population	10,188
Population Density	1,250/sq.mi.
Housing Units in Area	848

Gono,-1 Staliltiet (U.S. Census)	
Total Persons	9,146
Population of Color	100
Households in Area	3,099
Households on Public Assistance	150
Persons With Low Income	7,099
Persons With Low Income	78%

Geography	
Radius of Surrounding Area	1 mi.
Center Latitude	18.087871
Center Longitude	-67.146667
Water Area	0%

Income Breakdown (U.S. Census)	
Less than \$15,000	1,156 (37.94%)
\$15,000 - \$25,000	712 (23.37%)
\$25,000 - \$50,000	571 (18.74%)

Age Breakdown (U.S. Census) - Persons (%)	
Children 5 years and younger	569 (6%)
Minors 17 years and younger	2,219 (22%)
Adults 18 years and older	7,969 (78%)
Seniors 65 years and older	2,304 (22%)

Race Breakdown (U.S. Census) - Persons (%)	
White	8,817 (87%)
African American	549 (5%)
Hispanic or Latino	10,091 (99%)
Asian/Pacific Islander	10 (0%)
American Indian	11 (0%)
Other/Multiracial	790 (11%)

Education Level (U.S. Census) - Persons (%)	
Less than 9th Grade	454 (1.09%)
9th-11th Grade	464 (7.25%)
High School Diploma	1,637 (25.57%)
Some College/2-year	950 (14.84%)
BA/BS or higher	2,300 (35.93%)

Income breakdown (ACS (American Community Survey)) - Households (%)	
\$50,000, 575,000	401 (13.23%)
Greater than \$75,000	205 (6.73%)

LAST UPDATED ON SEPTEMBER 21, 2022

[DATA REFRESH INFORMATION](#)

# Detailed Facility Report



## Detailed Facility Report

### Facility Summary

NASCO

BOQUERON ROAD KM 7.3, CABO ROJO, PR 00623

FRS (Facility Risk Service) ID: "10007443855

EPA Region: 02

Latitude: 18.084349

Longitude: -67.154444

Locational Data Source: TRIS

Industries: Leathen and Allied Product Manufacturing

Indian Country: N

### Enforcement and Compliance Summary

No data records returned

### Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): No Information

Safe Drinking Water Act (SDWA): No Information

[Go To Enforcement/Compliance Details](#)  
[Known Data Problems](#)

### Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): 00623NSCXXCARR3

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

## Facility/System Characteristics

### Facility/System Characteristics

System	SubUnit	Identifier	Un&ve.	Status	Arms	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		10007443855					N	18.084349	-67.154444
TRI	EP313	00623NSCXXCARR3	Toxic Release Inventory	List Repe-d for 1988			N	18.084349	-67.154444

### Facility Address

System	SubUnit	Identifier	FacilityName	Facility Address	Facility County
FRS		10007443855	NASCO	BOQUERON ROAD KM 7.3, CABO ROJO, PR 00623	Cabo Rojo Municipality
TRI	EP313	00623NSCXXCARR3	NASCO	BOQUERON ROAD KM 7.3, CABO ROJO, PR 00623	Cabo Rojo Municipality

### Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
No data records returned			

### Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
TRI	00623NSCXXCARR3	3116211	Rubber and Plastics Footwear Manufacturing
TRI	00623NSCXXCARR3	316219	Other Footwear Manufacturing

### Facility Tribe Information

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

## Enforcement and Compliance

### Compliance Monitoring History

Lasts Years v

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

Entries in italics are not counted as EPA official inspections.

### Compliance Summary Data

Statute	Source ID	Current Significant Noncompliance (of 12)	Current MOF	Other with NC (Noncompliance) (of 12)	Data Last Refreshed
No data records returned					

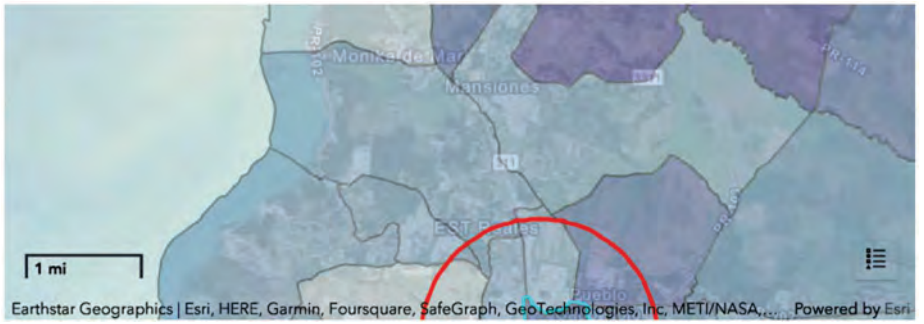
### Three-Year Compliance History by Quarter







Census Block Group ID: 72D238303003	U51*-rnttl-I	
Superfund Proximity	99	99
Underground Storage Tanks (UST)	99	99
Wastewater Discharge	85	99



### Demographic Profile of Surrounding Area (1 mile)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2010 U.S. Census and 2017 - 2021 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. EPA's spatial processing methodology considers the overlap between the selected radii and the census blocks (for U.S. Census demographics) and census block groups (for ACS demographics) in determining the demographics surrounding the facility. For more detail about this methodology, see the [DFR Data Dictionary](#).

General Statistics (U.S. Census)	
Total Persons	9,916
Population Density	1,157/sq.m.
Housing Units in Area	4,724
General Statistics (ACS)	
Total Persons	7,841
Percentage of Color	100%
Households in Area	2,625
Households in Public Assistance	132
Persons with Low Income	5,804
Percentage with Low Income	75%
Geography	
Radius of Spherical Area	1 mile
Center Longitude	-67.15444
Latitude	10m
Water Area	(%)
Income Distribution (ACS)	
Less than \$15,000	943 (35.91%)
\$15,000 - \$25,000	502 (19.21%)
\$25,000 - \$50,000	538 (20.49%)
\$50,000 - \$75,000	436 (16.66%)
Greater than \$75,000	207 (7.68%)

Age Breakdown (U.S. Census) - Persons (%)	
Children 5 years and younger	512 (5%)
Minors 17 years and younger	2,106 (21%)
Adults 18 years and older	7,810 (79%)
Seniors 65 years and older	2,267 (22%)
Race Breakdown (U.S. Census) - Persons (%)	
White	8,565 (86%)
African American	475 (5%)
Hispanic or Latino	9,816 (100%)
Asian/Pacific Islander	0 (0%)
American Indian	24 (0%)
Other/Multiracial	842 (8%)
Education Level (ACS) - Persons (%)	
Less than 9th Grade	392 (6.88%)
High School Graduate	3,340 (59.96%)
Some College	1,471 (25.12%)
College Graduate	825 (14.47%)
Postgraduate	2,154 (37.79%)

LAST UPDATED 0 SEPTEMBER 21, 2022

[DATA REFRESH INFORMATION](#)

# Detailed Facility Report



## Detailed Facility Report

### Facility Summary

PUEBLO NUEVO SS 804231

CALLE CARBONELL ESQ, CABO ROJO, PR 00623

FRS (Facility), Registry, Service ID: 110007817942

EPA Region: 02

Latitude: 18.08833

Longitude: -67.14871

Locational Data Source: FRS

Industries: --

Indian Country: N

### Enforcement and Compliance Summary

Statute	RCRA
Compliance Monitoring Activities (S) (H1)	-
Date of last Compliance Monitoring Activity	-
<b>Compliance Status</b>	<b>No Violation Identified</b>
OT1 in Noncompliance (of 12)	0
OT1 with Significant Violation	0
Informal Enforcement Actions (5 years)	-
Formal Enforcement Actions (5 years)	-
Penalties from Formal Enforcement Actions (5 years)	-
EPA Cases (Syndicates)	-
Penalties from EPA OI (5 years)	-

### Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): Inactive Other, (PRR000003921)

Safe Drinking Water Act (SDWA): No Information

[Go To Enforcement/Compliance Detail, Known Data Problems](#)

### Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGR): No Information

Toxic Releases (TRI): No Information

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

## Facility/System Characteristics

### Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110001a)7942					N	18.08833	-67.14871
RCRAInfo	RCRA	PRR000003921	Other	Inactive (j)			N		

### Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110001a)7942	PUEBLO NUEVO SS 804231	CALLE CARBONELL ESQ, CABO ROJO, PR 00623	Gilbo R010 Municipio
RCRAInfo	RCRA	PRR000003921	PUEBLO NUEVO SS 804231	CALLE CARBONELL ESQ, CABO ROJO, PR 00623	Cabo Rojo Municipio

### Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
No data records returned			

### Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
No data records returned			

### Facility Tribe Information

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

## Enforcement and Compliance

Compliance Monitoring History

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

*Entries in italics are not counted as EPA official inspections.*

### Compliance Summary Data

Statute	Source ID	Current Status (19.0.f.f.1ntr.ii.2os2mQJ;f.!!S.)U.f.eY.<:1gh...9.WY_V.12f(2!!)	Current As Of	OtrswithNx(Noncompliance)(of 12)	Data Last Refreshed
RCRA	PRR000003921	No	09/23/2023	0	09/22/2023

### Three-Year Compliance History by Quarter

Statute	Program/Point of Violation	QTR1	QTR2	QTR3	QTR4	QTR5	QTR6	QTR7	QTR8	QTR9	QTR10	QTR11	QTR12+
RCRA(S0-trce ID: PRR000003921)		10/01-12/31/20	01/01-03/31/21	04/01-06/30/21	07/01-09/30/21	10/01-12/31/21	01/01-03/31/22	04/01-06/30/22	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23
	Facility-level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation Agency												

Informal Enforcement Actions

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

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

Formal Enforcement Actions

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

No data records returned

## Environmental Conditions

### Watersheds

12-Digit WBD (Watershed Boundary Dataset) HUC (BAO/Reach Address Database)	Watershed Name (BAO/Reach Address Database)	State Water Body Name (Interfaced Compliance Information \$, !!!!!)	Beach Closures Within Last Year	Beach Closures Within Last 5 Years	Pollutants Potentially Related to Impairment	Watershed with § 106(a)(7)(C) (Endangered Species Act)-listed Aquatic Species?
--	---	---	---------------------------------	------------------------------------	--	--

No data records returned

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

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

No data records returned

### Air Quality Nonattainment Areas

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

No data records returned

## Pollutants

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

TRI Facility ID	Year	Total Air Emissions	Surface Water Discharges	(f.f.,Sfta T., nMra lof.QDia.(f.M.Q)ic.;Y.,QY.f.lle.d.TLl.Jl.f.Jl.U.Y.f.2L)	Underground Injections	Releases to Land	Total On-Site Releases	Total OJ.&Ttandara
-----------------	------	---------------------	--------------------------	---	------------------------	------------------	------------------------	--------------------

No data records returned

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

Chemical Name
---------------

No data records returned

### QA(C.I.un...V.ll.filtr.A;;1) Discharge Monitoring Report (DMR) Pollutant Loadings

[DMR and TRI Multi-Year Loading ReP-ort](#)

No data records returned

## Community

### Environmental Justice

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



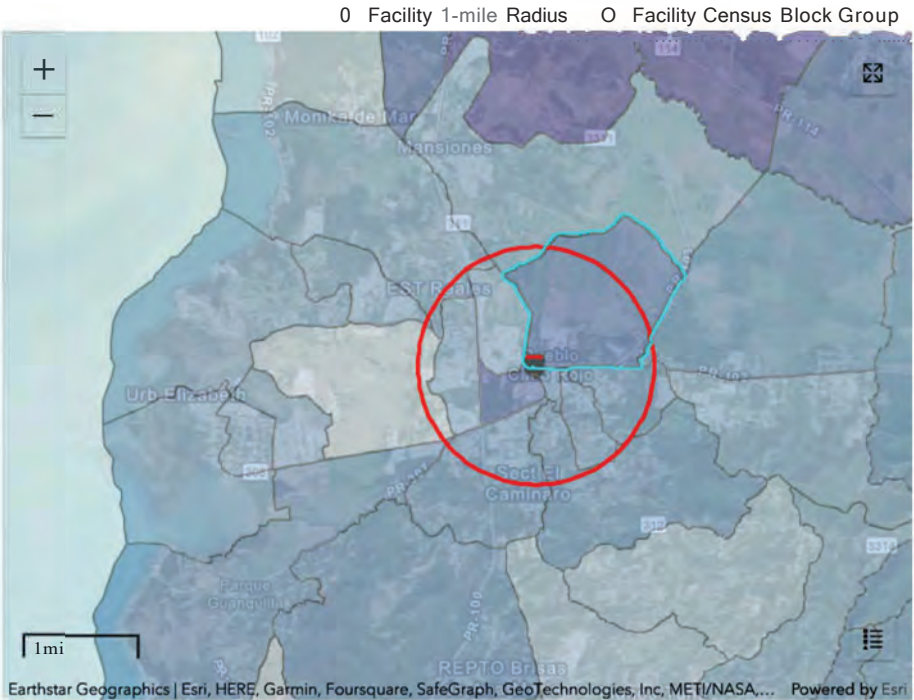
[EJScreen Community RePort](#)

Compare to @ US @ State

Index Type @ Environmental Justice @ Supplemental

Download Data

Supplemental Index	Facility	1-mile	1/4-mile
Count of Industrial At or Above 80th Percentile	6	6	
Particulate Matter 2.5	0		
Ozone	0		
Diesel Particulate Matter	10	14	
Air Toxics Cancer Risk	36	36	
Air Toxics Respiratory Hazard Index	37	38	
Toxic Releases to Air	95	95	
Traffic Proximity	98	99	
Lead Paint	87	99	
Public Participation Plan (PPP) Facility Proximity	76	84	
Hazardous Waste Proximity	67	75	
Superfund Proximity	99	99	
Underground Storage Tanks (UST)	96	99	
Wastewater Discharge	86	99	



Demographic Profile of Surrounding Area (1 mile)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2010 U.S. Census and 2017 - 2021 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. EPA's spatial processing methodology considers the overlap between the selected radii and the census blocks (for U.S. Census demographics) and census block groups (for ACS demographics) in determining the demographics surrounding the facility. For more detail about this methodology, see the [DFR Data Dictionary](#).

General Statistics (U.S. Census)	
Total Persons	10,243
Population Density	3,326/sq.mile
Housing Units in Area	4,877

Age Breakdown (U.S. Census) - Persons (%)	
Children 5 years and younger	574 (6%)
Minors 17 years and younger	2,228 (22%)
Adults 18 years and older	8,015 (78%)
Seniors 65 years and older	2,308 (23%)

General Statistics (ACS)	
Total Households	8,955
Race of People of Color	100%
Households in Area	2,977
Households on Public Assistance	145
Persons With Low Income	6,896
Persons With Low Income	7M

Race Breakdown (U.S. Census) (%)	
White	8,871 (87%)
African American	531 (5%)
Hispanic Origin	10,145 (99%)
Asian/Pacific Islander	10 (0%)
American Indian	23 (0%)
Other/Multiracial	808 (11%)

Geography	
Radius of Surrounding Area	1mi.
Total Households	8,088
Center Longitude	-87.14871
Latitude	100.0
Water Area	0

Education Level (ACS) - Persons (%)	
Less than 9th Grade	440 (6.9%)
9th-11th Grade	61 (1.0%)
High School Diploma	1,623 (25.6%)
Some College/2-year	940 (14.8%)
College Graduate or More	2,304 (36.3%)

Income Distribution (ACS)	
Less than \$15,000	1,117 (37.52%)
\$15,000 - \$25,000	675 (22.67%)
\$25,000 - \$50,000	560 (18.81%)
\$50,000 - \$75,000	420 (14.11%)
Greater than \$75,000	205 (6.83%)

# Detailed Facility Report



## Detailed Facility Report

### Facility Summary

WALGREEN CO #1829

80 CARR 308, CABO ROJO, PR 00623

FRS (Facility) Registry Service ID: 10062915886

EPA Region: 02

Latitude: 18.081864

Longitude: -67.153308

Locational Data Source: RCRAINFO

Industries: Food and Beverage Retailers

Indian Country: N

### Enforcement and Compliance Summary

Statute	RCRA
Compliance Monitoring Activities (5 Yr)	-
Date of last Compliance Monitoring Activity	-
<b>Compliance Status</b>	<b>No Violation Identified</b>
Out of Noncompliance (of 121)	0
Out of Significant Violation	0
Informal Enforcement Actions (5 years)	-
Formal Enforcement Actions (5 years)	-
Penalties from Formal Enforcement Actions (5 Yr)	-
EPA Cases (5 years)	-
Penalties from EPA Out of (5 Yr)	-

### Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): Active VSQG, (PRR000024919)

Safe Drinking Water Act (SDWA): No Information

[Go To Enforcement/Compliance Detail](#)  
[Known Data Problems](#)

### Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGR): No Information

Toxic Releases (TRI): No Information

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

## Facility/System Characteristics

### Facility/System Characteristics

System	Statute	Identifier	Uniquely	System	Participating, Debt	Indian Country	Latitude	Longitude
FRS		1111Q 29J				N	16.061864	-67.153306
RCRAInfo	RCRA	PRR00J024919	VSQG	Active/H I		N	18.081664	-67.153308

### Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		1111Q 29J	WALGREEN CO #1629	80 CARR 308, CABO ROJO, PR 00623	Cabo Rojo Municipio
RCRAInfo	RCRA	PRR00J024919	WALGREEN CO #1629	80 CARR 308, CABO ROJO, PR 00623	Cabo Rojo Municipio

### Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
No data records returned			

### Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
RCRAInfo	PRR00024919	44512	Convenience Stores

### Facility Tribe Information

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



## Enforcement and Compliance

### Compliance Monitoring History

Last 5 Years v

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

*Entries in italics are not counted as EPA official inspections.*

### Compliance Summary Data

Statute	Source ID	Current Status (19.0.f.f.1.n.r.i.2.o.s.2.m.Q.J.;f.i.!!S.)U.f.e.Y.<:1g.h...9.WY_V.12(fit2!))	Current As Of	OtrswithNx(Noncompliance)(of 12)	Data Last Refreshed
RCRA	PRR0000249" 9	No	09/23/2023	0	09/22/2023

### Three-Year Compliance History by Quarter

Statute	Program/Point Violation	QTR1	QTR2	QTR3	QTR4	QTR5	QTR6	QTR7	QTR8	QTR9	QTR10	QTR11	QTR12+
RCRA(S0-1rce 10: PRR000024919)		10/01-12/31/20	01/01-03/31/21	04/01-06/30/21	07/01-09/30/21	10/01-12/31/21	01/01-03/31/22	04/01-06/30/22	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23
	Facility-level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation Agency												

### Informal Enforcement Actions

Last 5 Years v

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

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

### Formal Enforcement Actions

Last 5 Years v

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

## Environmental Conditions

### Watersheds

12-Digit WBD (Watershed Boundary Dataset) HUC (BAQ/Reach Address Database)	Watershed Name (BAQ/Reach Address Database)	State Water Body Name (Interfaced Compliance Information \$, !!!!!)	Beach Closures Within Last Year	Beach Closures Within Last 5 Years	Pollutants Potentially Related to Impairment	Watershed with § 106(a)(2)(B)-listed Aquatic Species?
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No data records returned

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

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

### Air Quality Nonattainment Areas

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

## Pollutants

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

TRI Facility ID	Year	Total Air Emissions	Surface Water Discharges	(f.f.;Sfita T, n Mra lof.QDia.(f.M.Q.lc.;Y, QY.f.lle.d.TLl.Jl.f.Jl.U.Y.f2L)	Underground Injections	Releases to Land	Total On-Site Releases	Total OJ.&Tandara
-----------------	------	---------------------	--------------------------	---	------------------------	------------------	------------------------	-------------------

No data records returned

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

Chemical Name
---------------

No data records returned

### QA (C.I.un...V.l.filtr.A;;1) Discharge Monitoring Report (DMR) Pollutant Loadings

[DMR and TRI Multi-Year Loading ReP-ort](#)

No data records returned

## Community

### Environmental Justice

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

EJScreen Indexes Shown

Related Reports

[EJScreen Community Report](#)

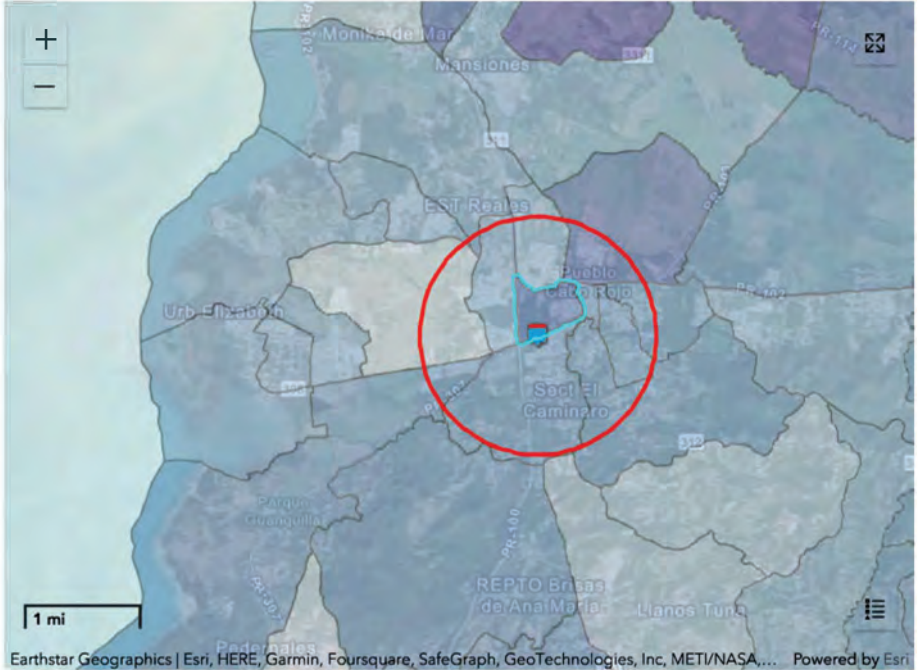
Compare to @ US @ State

Index Type @ Environmental Justice @ Supplemental

Download Data

Supplemental Index	Facility	1-mile Radius
Count of Industries at or Adjacent to Facility	6	6
Particulate Matter 2.5	0	0
Ozone	0	0
Diesel Particulate Matter	10	12
Air Toxics Cancer Risk	36	36
Air Toxics Respiratory Hazard Index	37	38
Toxic Releases to Air	95	95
Traffic Proximity	99	99
Lead Paint	99	99
Fire Management Plan (RMP) Proximity	73	76
Hazardous Waste Proximity	75	70
Superfund Proximity	99	99
Underground Storage Tanks (UST)	99	99
Wastewater Discharge	85	99

0 Facility 1-mile Radius 1 Facility Census Block Group



Demographic Profile of Surrounding Area (1 mile)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2010 U.S. Census and 2017 - 2021 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. EPA's spatial processing methodology considers the overlap between the selected radii and the census blocks (for U.S. Census demographics) and census block groups (for ACS demographics) in determining the demographics surrounding the facility. For more detail about this methodology, see the [DFR Data Dictionary](#).

General Statistics (U.S. Census)	
Total Persons	10,285
Population Density	1,281/5q.mi.
Housing Units in Area	4,846

Age Breakdown (U.S. Census)- Persons(%)	
Children 5 years and younger	56 (6%)
Minors 17 years and younger	2,263 (22%)
Adults 18 years and older	8,022 (78%)
Seniors 65 years and older	2,290 (22%)

General Statistics (ACS)	
Total Households	7,981
Percentage of Color	100%
Households in Area	2,670
Households of Public Assistance	132
Persons with Low Income	5,965
Percent with Low Income	75%

Race Breakdown (U.S. Census)- Persons(%)	
White	8,858 (86%)
African American	513 (5%)
Hispanic Origin	10,179 (99%)
Asian/Pacific Islander	12 (0%)
American Indian	22 (0%)
Other/Multi-racial	881 (9%)

Geography	
Radius of Surrounding Area	1 mile
Center Latitude	38.081861
Center Longitude	-107.153308
Local Area	10mi.
Water Area	0

Education Level (ACS)	
Less than 9th Grade	409 (7.15%)
9th-11th Grade	451 (6.13%)
High School Diploma	1,485 (22.5%)
Some College/2-year	882 (15.41%)
Associate Degree or More	2,093 (36.57%)

Income Distribution (ACS)	
Less than \$15,000	967 (36.22%)
\$15,000 - \$25,000	576 (19.1%)
\$25,000 - \$50,000	556 (20.82%)
\$50,000 - \$75,000	425 (15.92%)
Greater than \$75,000	196 (7.34%)

**Appendix D**  
**Endangered Species**



## Transmittal Letter

January 8, 2024

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



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

Reviewer **DAMARIS ROMAN RUIZ** Digitally signed by DAMARIS ROMAN RUIZ  
Date: 2024.02.01 07:52:03 -0400'

**LOURDES MENA** Digitally signed by LOURDES MENA  
Date: 2024.02.08 09:23:11 -0400'  
Adobe Acrobat version: 2023.008.20470  
 Acting Caribbean ES Field Supervisor

### **RE: USFWS Endangered Species Act Certifications – December 2023**

We are submitting the following Self-Certifications for projects under the CDBG-DR Re-Grow PR Urban-Rural Agriculture Program, Small Business Financing Program, Workforce Training Program and City Revitalization Program. Attached are included the Self-Certifications that certify that the projects are in compliance and are not likely to adversely affect federally-listed species.

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

Project Number	Project Name
PR-CRP-000518	Campo de Soccer
PR-CRP-000553	Avenida Georgetti Improvement Project
PR-CRP-000735	Boulevard Toa Alta Heights: Making a Complete Street
PR-CRP-001035	Boulevard Luis Muñoz Marín
PR-RGRW-00230	María D. González Luciano
PR-RGRW-00301	La Plata Farm, Inc.
PR-RGRW-00382	GAFC Farms LLC
PR-RGRW-00455	Centro Agropecuario de Cataño, Inc.
PR-RGRW-01021	Sanabella LLC
PR-RGRW-01270	SAN JUAN DISTILLERS LLC
PR-RGRW-04081	José M. Cruz DBA Agricultor José M Cruz
PR-SBF-05917	Furniture Assembly Expert LLC
PR-SBF-07066	Joaquín Gamboa Medina HNC Pikadera
PR-SBF-07411	José A. Alicea Piñeiro
PR-SBF-07601	LA BARBERIA DE RONALD
PR-SBF-08132	Neyza E. Garay Rivera hnc Dra. Neyza E. Garay
PR-SBF-08319	NEMESIS TRANSPORT
PR-SBF-08372	La Curvita Colmado, Bar & Restaurant





## Self-Certification

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

### Endangered Species Act Certification


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

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

Puerto Rico Department of Housing (PRDOH) certifies that the following project **Campo de Soccer (PR-CRP-000518)**, consisting of a new soccer field at the Rebekah Colberg Sports Complex, including the construction of a retaining wall of approximately 6 meters on the northwest side of the soccer field in order to level the field, fences, gates, sidewalks, landscaping, installation of luminaries, bleachers, and an adjacent building that will contain an office space, storage area, locker rooms, bathrooms, and an area for food concession located at Road PR-312, km 0.4 interior, Cabo Rojo, PR, 00623, complies with:

Check	Project Criteria
<input type="checkbox"/>	1. Street resurfacing.
<input type="checkbox"/>	2. Construction of gutters and sidewalks along existing roads.
<input type="checkbox"/>	3. Reconstruction or emergency repairs of existing buildings, facilities and homes.
<input type="checkbox"/>	4. Rehabilitation of existing occupied single-family homes, and buildings; provided that equipment storage or staging areas are not located on vacant property harboring a wetland and/or forested vegetation and that the lighting associated to the new facilities is not visible directly or indirectly from a beach.
<input type="checkbox"/>	5. Demolition of dilapidated single-family homes or buildings; provided that the demolition debris is disposed in certified receiving facilities; equipment storage or staging areas are not located on vacant property harboring a wetland and/or forested vegetation.
<input type="checkbox"/>	6. Rebuilding of demolished single-family homes or buildings, provided

	that the new construction i: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 facilitiesare not visible directly or indirectly from a beach.
<input type="checkbox"/>	7. Activities within existing Right of Ways (ROWS) of roads, bridges and highways, when limited to actions that do not involve cutting native vegetation or mayor earth moving; and are not located within, or adjacent to, drainages, wetlands, or aquatic systems. These activities include the installationof potable water and sanitarypipelines.
<input type="checkbox"/>	8. Improvements to existing recreational facilities, including the installation of roofs to existing basketball courts, provided that the lighting associated to the facilitiesare not visible directly or indirectly from the beach.
<input type="checkbox"/>	9. Construction of electric underground systems in existing towns and communities, provided that the property isnot a wetland area and the lighting associated to the facilities are not visible directly or indirectly from the beach.
<input checked="" type="checkbox"/>	10. Construction of facilities::rn vacant properties covered with grasses in urban areas, provided that the lighting associated to the facilities are not visible directly or indirectlyfrom the beach.
<input type="checkbox"/>	11 .Construction of houses, buildings or acquiring lands in urban areas covered by grass for relocation of low-income families and/or facilities that have been affected by weather conditions.



Ángel G. López-Guzmán  
Deputy Director

Permits and Environmental Compliance Division

Office of Disaster Recovery  
Address: P.O. Box 21365 San Juan, PR 00928  
Telephone and et 787-274-2527 ext. 4320  
Email: [environmenlcdbg@vivienda.or.gov](mailto:environmenlcdbg@vivienda.or.gov)

Dec. 4, 2023

Date

# **Attachment 1**

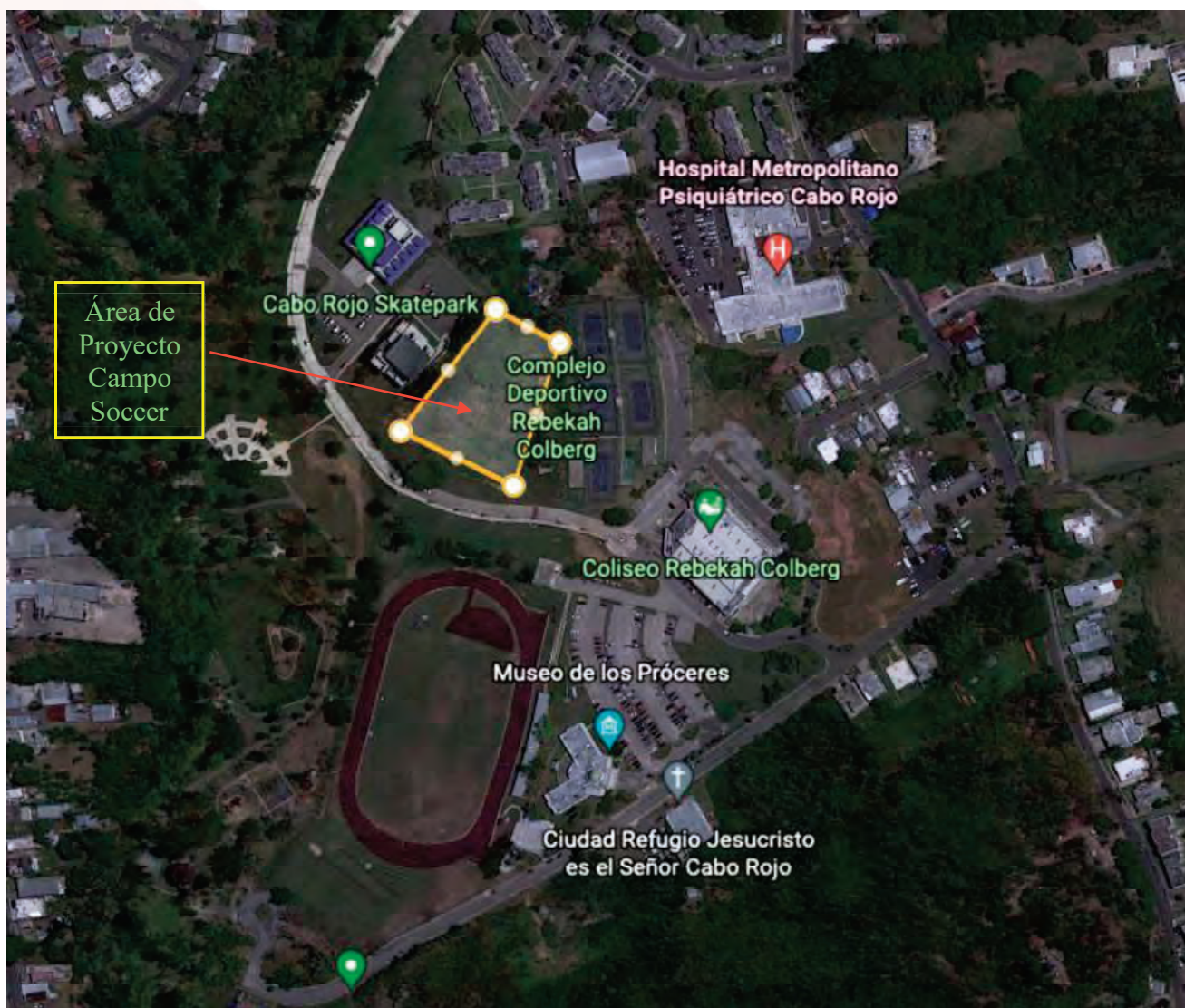
Maps



APPLICATION PROCESS – PR-CRP-000518

CAMPO DE SOCCER

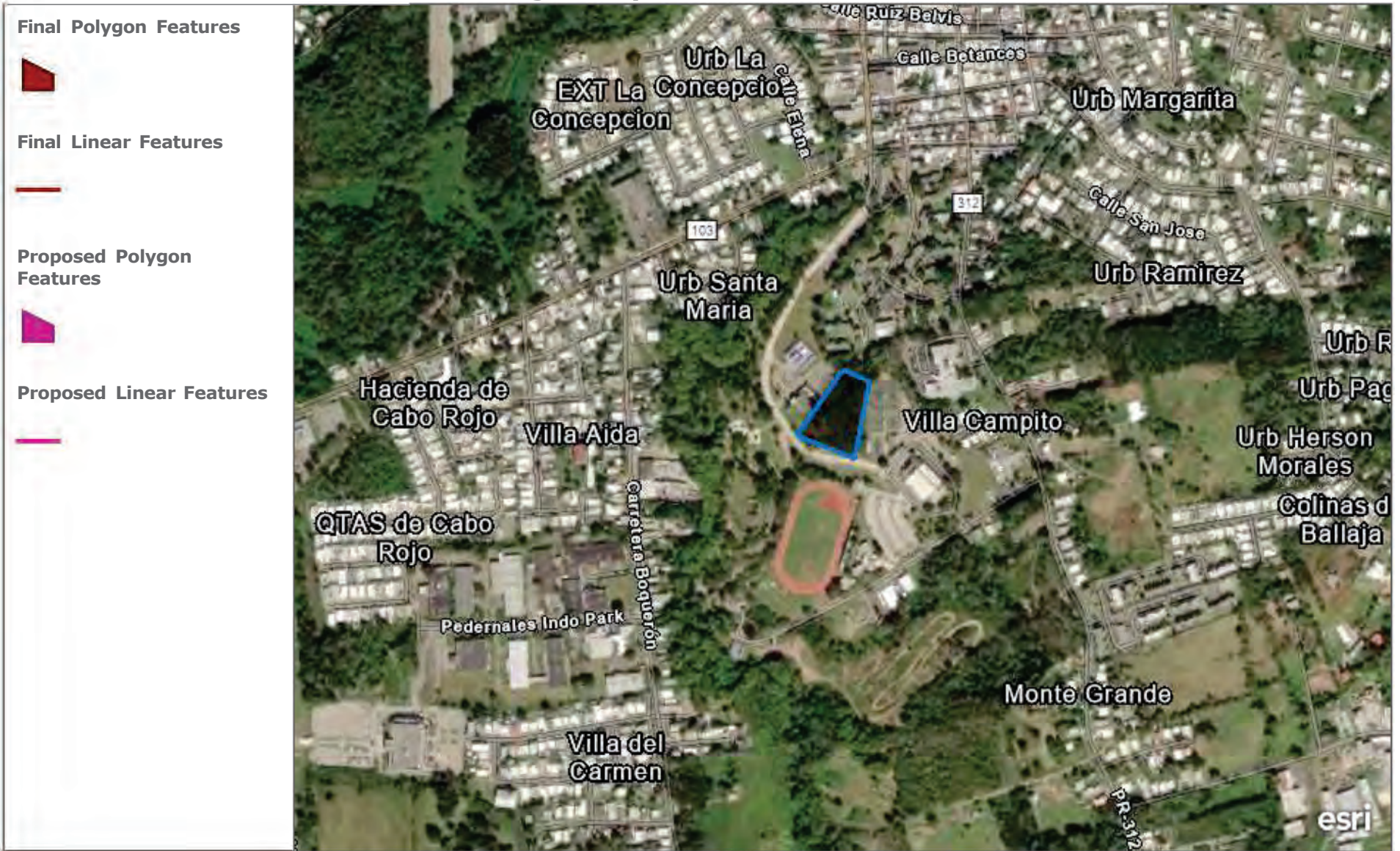
MAPA DE POLÍGONO DELIMITANDO  
ÁREA DE TERRENO DEL PROYECTO





# Critical Habitat for Threatened & Endangered Species [USFWS]

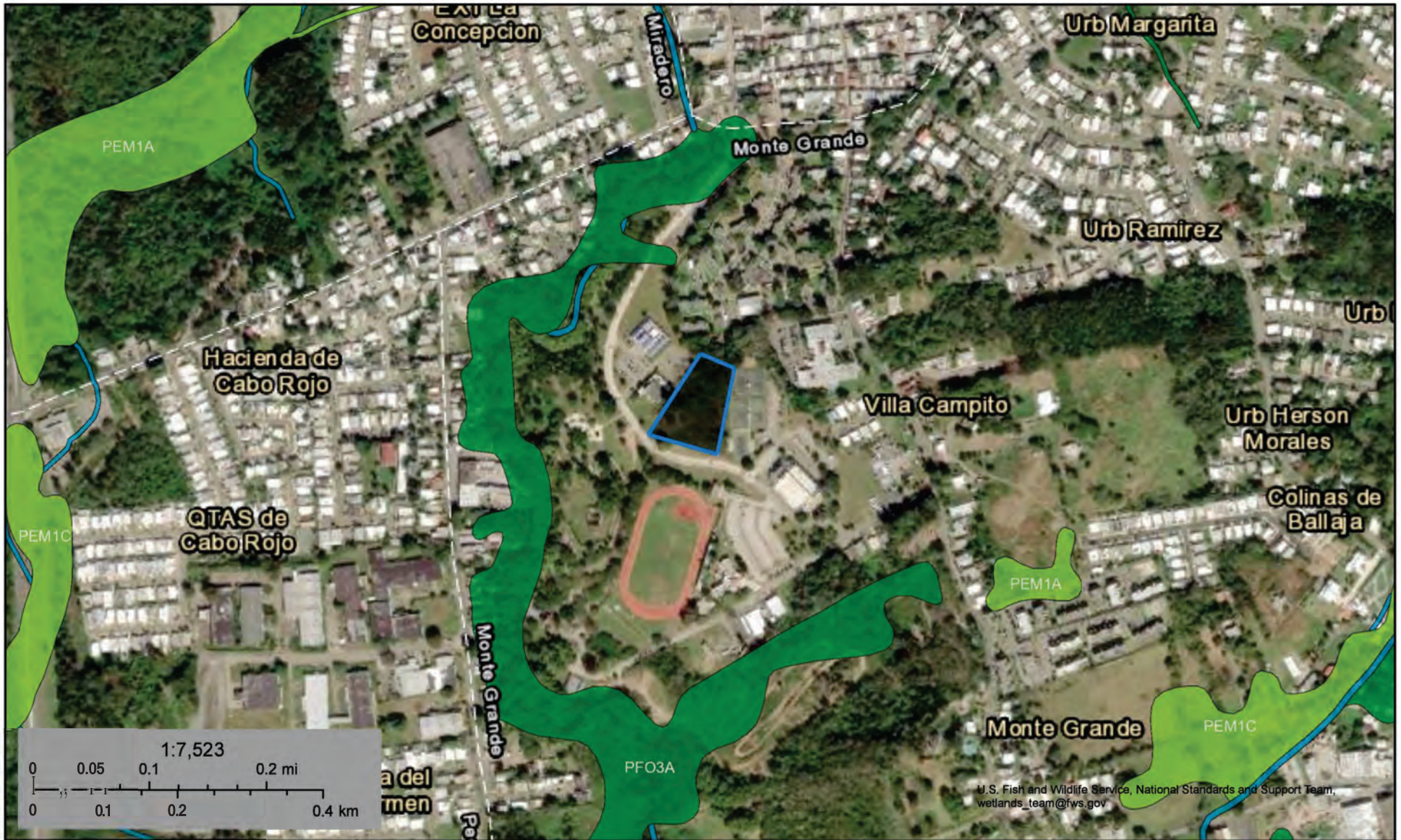
PR-CRP-000518



A specific geographic area(s) that contains features essential for the conservation of a threatened or endangered species and that may require special management and protection.

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





U.S. Fish and Wildlife Service, National Standards and Support Team, wetlands\_team@fws.gov

November 29, 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.

## **Attachment 2**

IPaC Report



# 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

Cabo Rojo County, Puerto Rico



## Local office

Caribbean Ecological Services Field Office

\. (787) 834-1600

Ii (787) 851-7440

Iii [CARIBBEAN\\_ES@FWS.GOV](mailto: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 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).

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 <i>Chilabothrus inornatus</i> Wherever found No critical habitat has been designated for this species. <a href="http://ecos.fws.gov/ecQLspecies/6628">http://ecos.fws.gov/ecQLspecies/6628</a>	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.

## Bald & Golden Eagles

There are no documented cases of eagles being present at this location. However, if you believe eagles may be using your site, please reach out to the local Fish and Wildlife Service office.

Additional information can be found using the following links:

- Eagle Management <http://www.fws.gov/m...ogram/eagle-management>
- Measures for avoiding and minimizing impacts to birds  
<http://www.fws.gov/library/collections/avoidin-and-minimizin-incidental-take-migratory-birds>
- Nationwide conservation measures for birds  
[http://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.p\\_gf](http://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.p_gf)

- Supplemental Information for Migratory Birds and Eagles in IPaC  
<http://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-Report-action>

### What does IPaC use to generate the potential presence of bald and golden eagles in my specified location?

The potential for eagle presence 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). To see a list of all birds potentially present in your project area, please visit the [Avian Information Locator \(AIL\) Tool](#)

### What does IPaC use to generate the probability of presence graphs of bald and golden eagles 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 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 [Avian Information Locator \(AIL\) Tool](#)

### 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. Please contact your local Fish and Wildlife Service Field Office if you have questions.

## Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act and the Bald and Golden Eagle Protection Act.

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:

- Eagle Management <https://www.fws.gov/Program/eagle-management>
- Measures for avoiding and minimizing impacts to birds <https://www.fws.gov/library/collections/avoiding-and-minimizing-incident-take-migratory-birds>
- Nationwide conservation measures for birds <https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures-f>
- Supplemental Information for Migratory Birds and Eagles in IPaC <https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action>

The [data](#) in this location indicates there are no migratory birds of [conservation concern](#) expected to occur in this area.

There may be migratory birds in your project area, but we don't have any survey data available to provide further direction. For additional information, please refer to the links above for recommendations to minimize impacts to migratory birds or contact your local FWS office.

**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](#) 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 [National 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 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 [Avian Information Locator \(AIL\) 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 to 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 [AIL 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.

### **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 [Atlantic 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 Modeling of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf](#) 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 Sgiegel](#) 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 10km 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.

## 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 tubercid 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

## **Attachment 3**

Supporting Documents



## 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.



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](mailto: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](mailto:jose_cruz-burgos@fws.gov)
  - Office phone (786) 244-0081 or mobile (305) 304-1386

## **Appendix E Historic Preservation**



# GOVERNMENT OF PUERTO RICO

## STATE HISTORIC PRESERVATION OFFICE

Executive Director | Carlos A. Rubio Cancela | [carubio@prshpo.pr.gov](mailto:carubio@prshpo.pr.gov)

Friday, May 10, 2024

### Lauren B Poche

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

SHPO-CF-05-07-24-06 PR-CRP-000518 (Cabo Rojo), Campo de Soccer Project

Dear Ms. Poche,

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

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

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

Sincerely,

Carlos A. Rubio Cancela

State Historic Preservation Officer

CARC/GMO/ OJR





GOVERNMENT OF PUERTO RICO  
DEPARTMENT OF HOUSING

April 30, 2024

**Arch. Carlos A. Rubio Cancela**

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

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

Dear Arch. Rubio Cancela,

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

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

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

Cordially,

**Aldo A. Rivera Vázquez, PE**

Director  
Division of Environmental Permitting and Compliance  
Office of Disaster Recovery



May 7, 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-000518, Campo de Soccer Project, Cabo Rojo, Puerto Rico – *No Historic Properties Affected***

Dear Architect Rubio Cancela,

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

On behalf of PRDOH and the subrecipient, the Municipality of Cabo Rojo, we are submitting documentation for the proposed Campo de Soccer Project. The Municipality of Cabo Rojo is proposing the construction of a new soccer field to be built as part of a recreational project in the location of an existing BMX track. The project includes the construction of a new soccer field with the minimum dimensions required by FIFA standards, four lighting poles with minimum FIFA standards, and a retaining wall. A building to contain office space, storage area, two locker rooms with bathrooms, two additional bathrooms for visitors, and space for food concession will be constructed east of the soccer field. A covered area with a metal roof for spectator bleachers that will also be built to the east of the soccer field. Finally, the project includes infrastructure such as a 112 KVA "trans closure" type substation to supply electricity to the soccer field and the accessory building; the installation of the generator will require the construction of a new concrete pad. The full scope of the project is described in the submitted documentation, which includes mapping, photographs, and the 100% construction plans.

While the project is adjacent to the Cabo Rojo Traditional Urban Center, the slope of the land and vegetation should block the view of the new soccer field. Therefore, based on the provided documentation, the Program requests a concurrence with a determination that **no historic properties affected** is appropriate for this undertaking.

Please contact me with any questions or concerns by email at [lauren.poche@home.com](mailto:lauren.poche@home.com) or phone at 225-405-7676.


Kindest regards,

A handwritten signature in cursive script that reads 'Lauren B. Poche'.

**Lauren Bair Poche. M.A.**

Architectural Historian, EHP Senior Manager

Attachments

<b>PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM</b>		
<b>CITY REVITALIZATION PROGRAM (CITY-REV)</b>		
<b>Section 106 NHPA Effect Determination</b>		
<b>Subrecipient:</b> Municipio de Cabo Rojo		
<b>Project Name:</b> Campo de Soccer		<b>Project ID:</b> PR-CRP-000518
<b>Project Location:</b> Carr. 312 Km. 0.4 Interior, Cabo Rojo, PR 00623		
<b>Project Coordinates:</b> 18.080846, -67.147264		
<b>TPID (Número de Catastro):</b> 332-037-092-03-901 and 332-000-004-51-854		
<b>Type of Undertaking:</b>		
<input checked="" type="checkbox"/> Substantial Repair		
<input type="checkbox"/> New Construction		
<b>Construction Date (AH est.):</b> c2010		<b>Property Size (acres):</b> 2.30

<b>SOI-Qualified Architect/Architectural Historian:</b> Ing. Samuel Pérez, Maria Schmid -Revised
<b>Date Reviewed:</b> 3/10/2023, 3/1/2024
<b>SOI-Qualified Archaeologist:</b> Virginia River Calderón, Roberto Muñoz-Pando -Revised
<b>Date Reviewed:</b> 10/18/23, 3/7/2024


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

### Project Description (Undertaking)

The undertaking consists of the construction of a new soccer field to be built as part of a recreational project in an existing BMX track that is owned by the Municipality of Cabo Rojo. The project is located within the Rebekah Colberg Sports Complex, Carr. 312 Km. 0.4 Interior in Cabo Rojo. The project area is located on two lot numbers which are (332-037-092-03-901) and (332-000-004-51-854), and both properties are owned by the Municipality of Cabo Rojo. The coordinates for the site are latitude: 18.080846 and long: -67.147264 and the land is classified between SU (99%), WATER (1%) and SU (98%), VIAL (2%).

The proposed project will be developed on a portion of land that measures 9,311.77 square meters or 2.30 acres. The project includes the construction of a new soccer field with the minimum dimensions required by FIFA standards, four lighting poles with minimum FIFA standards, and a retaining wall of approximately 30 feet will be built on the northwest side of the soccer field in order to level the field. The height of the retaining wall above ground surface will be 20 feet, and the depth of the wall below ground surface will be 10 feet.

As part of the recreational complex, the construction of an adjacent building (183'-6" x 17'-2") will contain office space, storage area, two locker rooms for participating teams with bathrooms, two additional bathrooms for visitors, and space for food concession. This building will be located east of the soccer field. A covered area with a metal roof for spectator bleachers that will also be built to the east of the soccer field. The covered roof area will have 40 support posts and will be 183'-6" feet long x 44'-7" feet wide x 22'-0" feet tall from the ground

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floor corridor and 27'-4" feet tall from the soccer field floor. The approximate ground disturbance for the foundations will be approximately 5 feet deep.

The project includes infrastructure such as a 112 KVA "trans closure" type substation to supply electricity to the soccer field and the accessory building. The installation of the generator will require the construction of a new concrete pad of 16 feet long x 42 inches.

The site currently contains an abandoned BMX off-road bicycle track built c2010 that is filled with a layer of backfill. Debris and invading vegetation surround the BMX track. The layer of backfill and debris will be removed as part of the project and will be transferred to use for leveling the ground under the soccer field and minimize the size of the retaining wall that is needed. The retaining wall is L-shaped and will have a section 90 feet long, and the other section will be 49 feet long. The wall thickness will be 14 inches and the height will be 33 feet 6 inches. The anticipated depth of ground disturbance for all these activities is proposed to be 3 feet maximum.


The proposed use for this (DA) or Open Endowment district is compatible with the purposes of this recreational sports area and with the established provisions. Remodeling and rehabilitating this land will also prevent its misuse.

### **Area of Potential Effects**

As defined in 36 CFR §800.16(d), the area of potential effects (APE) is the geographic area or areas within which an undertaking may directly or indirectly cause changes in the character or use of historic properties if any such properties exist. Based on this definition and the nature and scope of the Undertaking, the Program has determined that the direct APE for this project measures 9,311.77 square meters or 2.30 acres (371 feet in length, 360 feet in width) and is limited to the boundaries of the proposed soccer park that lies within the Rebekah Colberg Sports Complex. The project area includes two properties with lot numbers (332-037-092-03) and (332-000-004-51). The visual APE is the viewshed of the proposed project that measures 665 feet in length, 573 feet in width and includes to the north buildings of the Santa Rita de Casia residential complex (NRHP-eligible), to the northwest the Municipal Gym Néstor A. Nazario Rosario, to the east with the tennis courts, to the south with the running track, and to the southeast with the Rebekah Colberg Cabrera Coliseum.

Both parcels of the project area are adjacent to the Cabo Rojo Traditional Urban Center which is 284 feet north of the APE. These proposed project activities will not affect the historic resources such as the Santa Rita de Casia residential complex (NRHP-eligible) or the Traditional Urban Center. Since the project area is screened by mature trees and vegetation, by other existing



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buildings from the Rebekah Colberg Sports complex, and because of the difference in ground level lower than the historic resources the APE is not visible and will not be affected.


## Identification of Historic Properties - Archaeology

### Cultural Setting

The development of the aboriginal populations of Puerto Rico has been documented and modified over the years by several scholars of the field. There are numerous sites at present reported and documented in the Municipality of Cabo Rojo. Evidence suggests that inhabitants of the archaic periods until the time of contact of the Taino with the Europeans inhabited the lands of Cabo Rojo as described by Dr. Irvin Rouse. The French researcher Alphonse L. Pinart who was in Puerto Rico during the last quarter of the nineteenth century is credited with being the first to document both rock art and archaeological sites on the island. Pinart, attracted by pre-Columbian rock art, toured various sites in search of expressions of such nature and made a publication for the year 1891. His research in this area was followed by American archaeologist Samuel K. Lothrop who, under the auspices of the Museum of Natural History of New York, visited Puerto Rico between the years 1915- 1916 where he carried out a series of excavations on the island, in his extensive inventory of pre-Columbian sites on the island. The studies carried out by the Puerto Rican archaeologist Adolfo de Hostos, among others like Dr. Irvin Rouse, an anthropologist at Yale University, and Dr. Froelich Rainey also conducted studies in the Cabo Rojo area as well as in the rest of the island. Rouse draws up a scheme of time and space to explain, according to his criteria, the different Antillean aboriginal developments, based on the ceramic typologies of the first island settlers.

Dr. Rouse presents in his scheme two major cultural stages: one archaic and the other agricultural-pottery, represented by the Igneris or Saladoids, which he subdivides into four periods and several ceramic styles. Rouse considers that, from this single pottery migration, from Saladero del Bajo Orinoco in Venezuela, there is a unilinear evolution, which gives rise to the subsequent cultural developments Ostionoid and Tainos (Chanlatte and Narganes, 1986).

In Cabo Rojo in 1916, archaeologist Herbert J. Spinden conducted archaeological excavations at the site called Punta Ostiones. This site is an extensive shell midden where pottery, ashes, waste shells and artifacts in stones and shells were found. This site was also excavated by Puerto Rican historian and archaeologist Adolfo de Hostos in 1919 and visited by Froelich Rainey in 1934 (Ibid, pg 117). The American archaeologist Samuel Lothrop also writes about this site for the year 1927. Another shell midden is mentioned by Rainey in the Boquerón ward for which no name is mentioned.


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Other sites are mentioned in the Scientific Survey of Porto Rico and the Virgin Islands in this case by archaeologist Irving Rouse. One of these is located in the Boquerón ward and is called Cabo Rojo 1. This site was visited by Samuel Lothrop and Montalvo Guenard, as well as Froelich Rainey. Ceramic materials of the styles known as cape and caves were recovered at the site. According to Guenard the site consists of two large shell middens. Another site identified by Irving Rouse is the one called Coroso or Cabo Rojo 2. This is a shell midden located approximately 2 kilometers north of the bay, at the southern end of Cabo Rojo and is classified as a "campsite".

Cabo Rojo 2 is also mentioned by Rouse and is located in the Llanos Tuna ward, which is said to have included a ball court. In this place appeared various artifacts, shell residues and many fragments of oysters. A human burial was also found. The last site in Cabo Rojo mentioned by Rouse is the so-called Cabo Rojo 8 or Ostiones. This was previously excavated at different times by Samuel Lothrop, Herbert Spinden and Montalvo Guenard. This site was identified as a village where at least six shell middens were identified. Numerous artifacts were recovered, as well abundant shells. In the area of Cabo Rojo there is evidence of human settlements from times before the Christian era until the same period of contact, as well as presence of continuous use in historical times to this day. Further research near the APE is summarized in the next section of this form.

#### Archaeological Documentation Research


Two archaeological sites have been reported within a quarter mile radius of the APE. The first one is a lime factory called "Fábrica de Cal." Its SHPO number is CR0200015 and its ICP number is CR-167. It is located 0.009 miles southwest of the project area. Pedro Javier Wiscovich started with a lime kiln, like many others in Cabo Rojo. Then he added two more. In 1932 he built a lime mill to sell pulverized lime. The company closed in 1950. Today the furnaces are enclosed and covered with useless carts, but the building and the machinery of the mill are still preserved. The kilns are said to have been circular, made of bricks and only protruding 2 feet above ground level. They burned wood and coconut shells. The zinc-roofed wooden structure is 40 feet tall in the center, with one-tiered, 25-foot-long wings on each side. Currently these wings are used for car mechanics. In the central part is the mill "Gruendler Patent/Crushers & Pulverizer/ St. Louis, mo/bma 5". Next to it is the funnel of three outlets to manually fill the bags. On the upper floor, triple height, there is a centrifugal fan 48 inches in diameter, vertical fabric filters in the form of tubular and two electric motors (C. 1932-1950). Its nomination status for the National Register for Historic Places (NRHP) is pending. No structures related to this factory are known to be currently present within the APE.

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The other archaeological site is "Complejo Deportivo Municipal" or Municipal Sports Complex, located 0.043 miles south of the APE with SHPO number CR0100103 and ICP # CR-72. Its nomination status for the National Register for Historic Places (NRHP) is pending. It is a workshop of stone chipping and shell midden. It has been impacted by heavy machinery. It is a Precolonial site. The materials found were snails, shells, and lithics. It is associated with the ceramic culture. Unfortunately, the site has been destroyed and is unlikely to yield new information about precolonial Cabo Rojo.

There are five previously performed archaeological research studies within a quarter mile buffer of the project area that have been submitted to SHPO. Only one of them yielded positive results. It was a study in 1987 by Daniel Eliot titled "Archaeological Reconnaissance of Five Tracts in The Río Guanajibo Basin, Puerto Rico" with SHPO # 11-26-85-01. This study is located in coordinates 18.081404, -67.147463. The study borders the west side of the soccer field site. Several sites of historical and multicomponent pre-Columbian character were identified. This study is one of 5 different tracts. The soccer field area is located in the "tract 4" area of the study. The research and findings refer to the north of the area where Site 19 exists, which is a historic hacienda, unnamed by the researchers. In addition to being the urban center of the town and there are no identification studies of historic buildings listed in SHPO, it is recommended not to impact the area and to carry out an in-depth study of the town of Cabo Rojo. In the recognition of the tracts, there is no mention of La Fábrica de Sal or the Municipal Sports Complex and the site identified therein. The other four archaeological research surveys that have been submitted to SHPO have yielded negative results and are summarized in Table #2. The three archaeological resource surveys previously submitted to the Institute of Puerto Rican Culture (IPRC) yielded negative results and are summarized in Table #3.


Below are three tables with the summarized information found in the agencies visited:

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**Table #1: List of archaeological sites and historic properties in SHPO and ICP in quarter-mile perimeter**

#	NAME OF THE ARCHAEOLOGICAL SITE	COORDINATES / DISTANCE FROM AREA UNDER INVESTIGATION IN PERIMETER OF 1/4 MILE	OFFICIAL IDENTIFICATION NUMBER SHPO/ICPR	DESCRIPTION	RNLH
1	Fábrica de Cal	Coordinates : X: 124335.8 Y: 227545.8 Distance: 0.009 Miles Southwest	#SHPO: CR0200015 / (CR-167)	Lime factory that operated from 1932 to 1950.	Pending Nomination
2	Complejo Deportivo Municipal	COORDENATES : X: 124445.7, Y: 227431.3 Distance: 0.043 Miles South	#SHPO: CR0100103 (CR-72)	Precolonial site that has been destroyed.	Pending Nomination



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**Table #2: Archaeological Evaluations in quarter-mile perimeter of Project Cabo Rojo Soccer Park - SHPO**

#	SHPO ID #  STUDY TITLE	AUTHOR/YEAR	PHASE	COORDINATES/ DISTANCE FROM THE AREA UNDER INVESTIGATION IN PERIMETER OF 1/4 MILE	RESULTS	COMMENTS
1	11-26-85-01  Archaeological Reconnaissance Of Five Tracts In The Rio Guanajibo Basin, Puerto Rico	Daniel Eliot/ 1987	Phase I	Coordinates:  18.081404, - 67.147463  Distance:  0 Miles	Positive	The study borders the west side of the soccer field site Several sites of historical and multicomponent pre- Columbian character were identified. There is a historic hacienda to the north of the study that is not named. There is no mention of La Fábrica de Cal or the Municipal Sports Complex and the site identified therein.

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2	08-17-95-04  Construcción De Viviendas De Bajo Y Moderado Costo En Cabo Rojo	José Muñoz/ 1995	Phase 1 A-1B	Coordinantes:  18.0450,- 67.670853  Distance: 0.007 Miles Southwest.	Negative	Endorsement of the Project
3	10-20-87-01  Construcción De Un Tramo De Acceso Del Complejo Deportivo En La Parte Sur Del Pueblo De Cabo Rojo	José Muñoz/ 1988	Phase 1 A-1B	Coordinantes:  18.079073, - 67.146027  Distance: 0.130 Miles Southeast	Negative	Endorsement of the Project
4	09-07-89-01  San Francisco Courts	Antonio Daubón Vidal/ 1989	Phase 1 A-1B	Coordinantes:  18.078285,  -67.142541  Distance: 0.249 Miles Southeast	Negative	Endorsement of the Project

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5	11-18-14-04  Parque Acuático Municipal De Cabo Rojo	Adalberto Mauras/ 2015	Phase 1 A-1B	Coordinantes:  18.0450,  -67.0853  Distance: located on the southwestern edge of the area under study.	Negative	Endorsement of the Project
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**Table #3: Archaeological Evaluations in quarter-mile perimeter of Project Cabo Rojo Soccer Park - IPRC**

#	ICP – ID #  STUDY TITLE	AUTHOR/YEAR	PHASE	COORDINATES/ DISTANCE FROM THE AREA UNDER INVESTIGATION IN PERIMETER OF 1/4 MILE	RESULTS	COMMENTS
1	CR-87-02-04  Mejoras Al Sistema De Acueductos	Harry Alemán Crespo/ 1987	Phase 1 A-1B	Coordinantes:  18.084518, -67.147670  Distance: 0.181 Miles Northwest	Negative	It is recommended that the project phase of improvements to the Cabo Rojo aqueduct system and its neighborhoods be continued.

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2	CR-89-05-03  San Francisco Village	Antonio Daubón Vidal/ 1989	Phase 1 A-1B	Coordinantes:  18.078644, -67.143867  Distance: 0.235 Miles Southeast	Negative	Endorsement of the project is recommended. No further studies are recommended
3	CR-87-01-07  Miradero Industrial Park	Antonio Daubón Vidal/ 1987	Phase 1 A-1B	Coordinantes:  18.079067, -67.150668  Distance: 0.198 Miles Southwest	Negative	No further studies are recommended.


The historic topographic maps indicate how through time the town of Cabo Rojo was urbanized from 1935 to 2018. The development of Cabo Rojo was accelerated during certain periods. To the south, we observed during our visit to the site, various structures related to sports activities. The soccer field to be built will be on land devoid of structures, covered of dense vegetation.

In the project area to the south of the site under evaluation, we identified in the National Register of Historical Places (SHPO) two historical properties, these are **Lime factory** (not operating since 1950), and the **Municipal Sports Complex**, where a pre-Columbian deposit is located. The prehistoric site has been impacted by the constructions in the surroundings areas. Both resources are located very close to the project area and are within the EPA of the study area.

In the perimeter of the quarter mile in the archives of the ICPR, we identified three archaeological studies with the following distance from the project area: 0 studies between 0 - 0.100 miles; 2 studies between 0.100 - 0.200 miles; 1 study between 0.200 - 0.300 miles; and 0 studies between 0.300 - 0.400 miles. All with negative results.

During consultation at SHPO archives we identified five archaeological studies with the following distance from the project area: 3 studies between 0 – 0.100 miles; 1 study between



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0.100 – 0.200 miles; 1 study between 0.200 – 0.300 miles; 0 study between 0.300 – 0.400 miles.

The results were negative in four of the studies and positive in one of these. The positive turned out to be the SHPO 11-26-85-01. This archaeological evaluation is carried out in five different areas in the Guanajibo riverbed and its surroundings. The area of the proposed project (Soccer Field Park) is located in the "tract 4" area of the study. The research and findings refer to the north of the area where Site 19 exists, which is a historic hacienda. The author of this study establishes the importance of the urban area and the town center, and that there are no historic buildings listed in OECH. Under these circumstances they recommended not to impact the area and to carry out an in-depth study of the town of Cabo Rojo. In the recognition of the tracts of the mentioned project, there is no mention of La Fábrica de Cal or the Municipal Sports Complex and the site identified in it.

Based on our research the APE's potential for further information is considered low. The area has been previously affected by previous construction and these previous ground disturbances have caused the project area to have low potential for yielding new information. However, in the event of an unexpected find during ground disturbing activities, it is important to halt ground disturbing activities, follow established protocols, and contact the required entities within the allotted time frames.

Site History

Rebekah Colberg Coliseum opened in 1988 and was built sometime in the late 1980s. The area appears practically bare in the 1965 USGS Topographical map shown below and by 1994 the complex was being built as shown in the aerial image below.

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**Figures 1 & 2.** Detail of the 1965 USGS Topographical map and the 1994 aerial image for the area.  
Source: Google Earth, U. S. Geological Survey, map data 2023.

Several buildings belonging to the sports complex are located northwest, southeast, and northeast of the proposed soccer field. Route 312 runs north south and lies east of the sports complex. On site lies an abandoned BMX off-road bicycle track (APE) that is currently surrounded by invading vegetation as shown on the 2014 image below to the right. This bicycle track was constructed in 2010 according to the Google Earth image shown below to the left where the land appears bare and ready for grading.



**Figures 3 & 4.** Aerial images of the project area from 2010 and 2014, respectively.  
Source: Google Earth, U. S. Geological Survey, map data 2023.

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### Identification of Historic Properties - Architecture


Existing information on previously identified historic properties has been reviewed to determine if any such properties are located within the APE of this undertaking. The review of this existing information, by a Program contracted Historic Preservation Specialist meeting the Secretary of the Interior's Professional Qualification Standards (36 CFR Part 61), shows that the project area **is not** within the boundaries of a National Register of Historic Places (NRHP)-eligible or listed Traditional Urban Center or Historic District. The parcel that the project APE is adjacent to the southern boundary of the NRHP-eligible Cabo Rojo Traditional Urban Center, however, the APE boundary itself is not inside the boundaries.

There is one NRHP-eligible property in the quarter mile buffer zone from the project area. The Residencial Santa Rita de Casia is immediately north, located 0.06 miles north of the project parcel at 18.083062, -67.146199 and this resource is inside the Cabo Rojo Traditional Urban Center. The buildings of the Residencial Santa Rita were originally constructed in 1954 and this public housing complex is NRHP-eligible. This public housing complex and the Traditional Urban Center of Cabo Rojo are NRHP-eligible properties that will not be affected by the viewshed from this project since is in a downhill sloped terrain with vegetation cover that obstructs the view of the project area from the Cabo Rojo TUC and the Residencial Santa Rita.

### Project Description

The project location lies south of the town of Cabo Rojo which has developed residential areas of single-family subdivisions to the north, east, west, and southwest of the original town. PR-100 runs west of the town from Mayagüez to the north to Boquerón in the south. Puerto Real marina is to the west with residential subdivisions to the north. The Rebekah Colberg Sports Complex serves the greater Cabo Rojo community providing recreational facilities for a variety of indoor and outdoor activities.

The project site for the new soccer field lies inside the Rebekah Colberg Sports Complex between the Municipal Gym Néstor A. Nazario Rosario to the northwest, and to the east a series of five tennis courts is limited by vegetation. To the south and west, an access road borders the project area. Directly north of the project area lies the Residencial Santa Rita de Casia a multi-housing complex located 0.06 miles north of the APE. As noted above, these are eligible for listing in the NRHP and are within the Cabo rojo Traditional Urban Center boundaries as defined by SHPO.


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The construction of this project, a new soccer field, will not affect NHRP-eligible properties to the north and it will add to the offerings of the Rebekah Colberg Sports Complex benefiting the community at large.

### Determination

- Direct Effect:  
No Traditional Urban Centers, Historic Zones, NHRP-eligible or listed properties are reported within the property's APE. No direct effect to historic properties within the indirect APE is anticipated for the project.
- Indirect Effect:  
The southern portion Cabo Rojo Traditional Urban Center to the north of the APE and inside the quarter-mile buffer zone are adjacent to the APE however, the project is located downhill from the NHRP-eligible Residencial Santa Rita and the view is obstructed by vegetation cover.

Based on the results of our historic property identification efforts, the Program has determined that project actions **will not** affect the historic properties that are within the indirect Area of Potential Effect. These two NHRP-eligible properties **will not** be visually affected by the proposed project and due to the visual divide, there will be no historic properties affected. Additionally, the eligible property **Fábrica de Cal** is near the APE, but it is not expected to be affected by the construction as it is currently planned. The precolonial site that exists near the quarter-mile buffer of the project area has been highly disturbed and does not appear to have potential for providing new information or intact deposits. The potential for further studies that yield relevant information in this area is considered low.

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**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 (if applicable):
- Adverse Effect  
Proposed Resolution (if applicable)

**This Section is to be Completed by SHPO Staff Only**

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

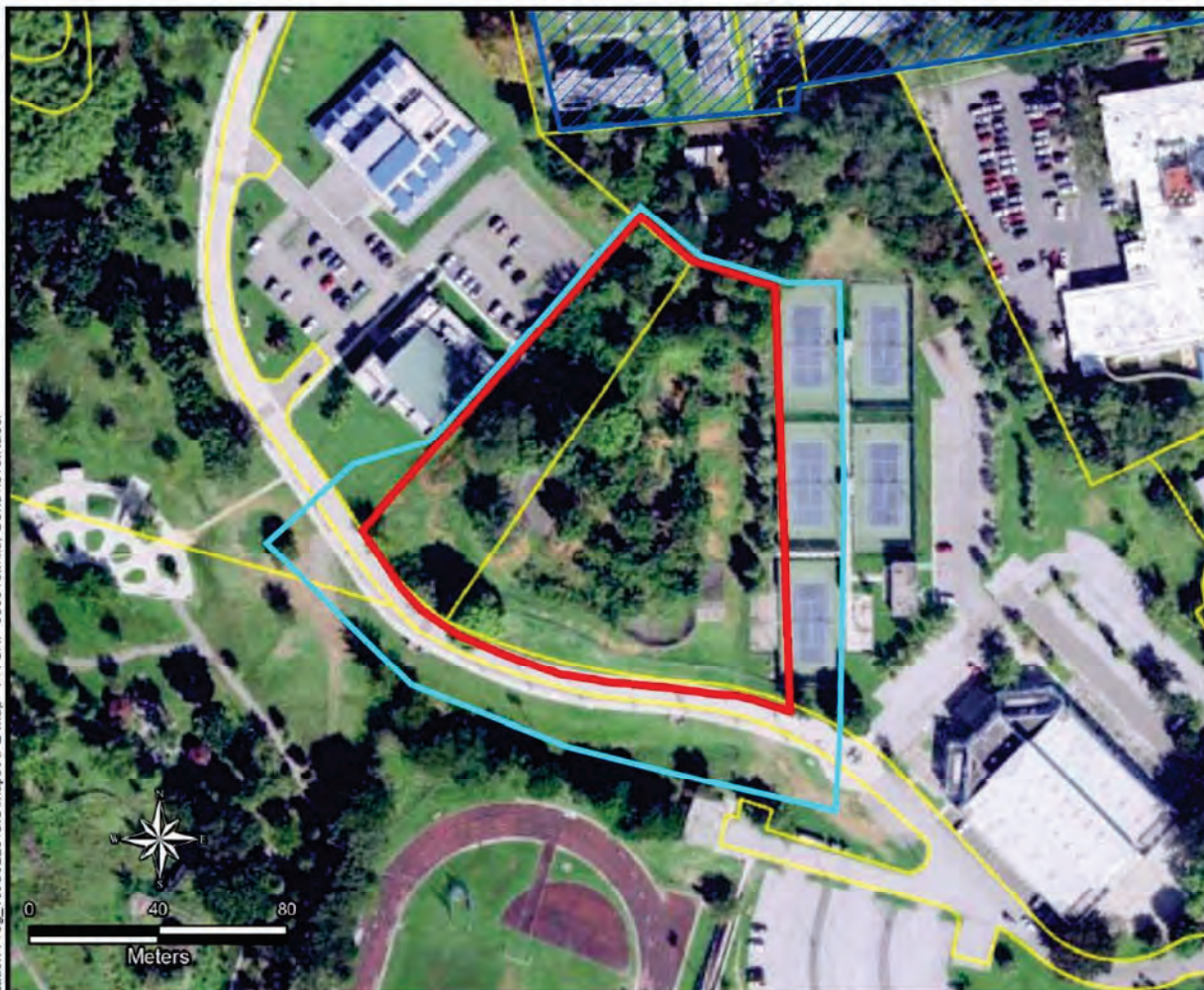


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### Area of Potential Effect Map (Aerial)



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**TETRA TECH**

Source: CRIM, PR State  
Historic Preservation  
Office, NSPS NRIS,

Author: GK

Date: 2/26/2024

#### Legend

-  Area of Potential Effect
-  Traditional Urban Area
-  Parcels
-  Visual APE



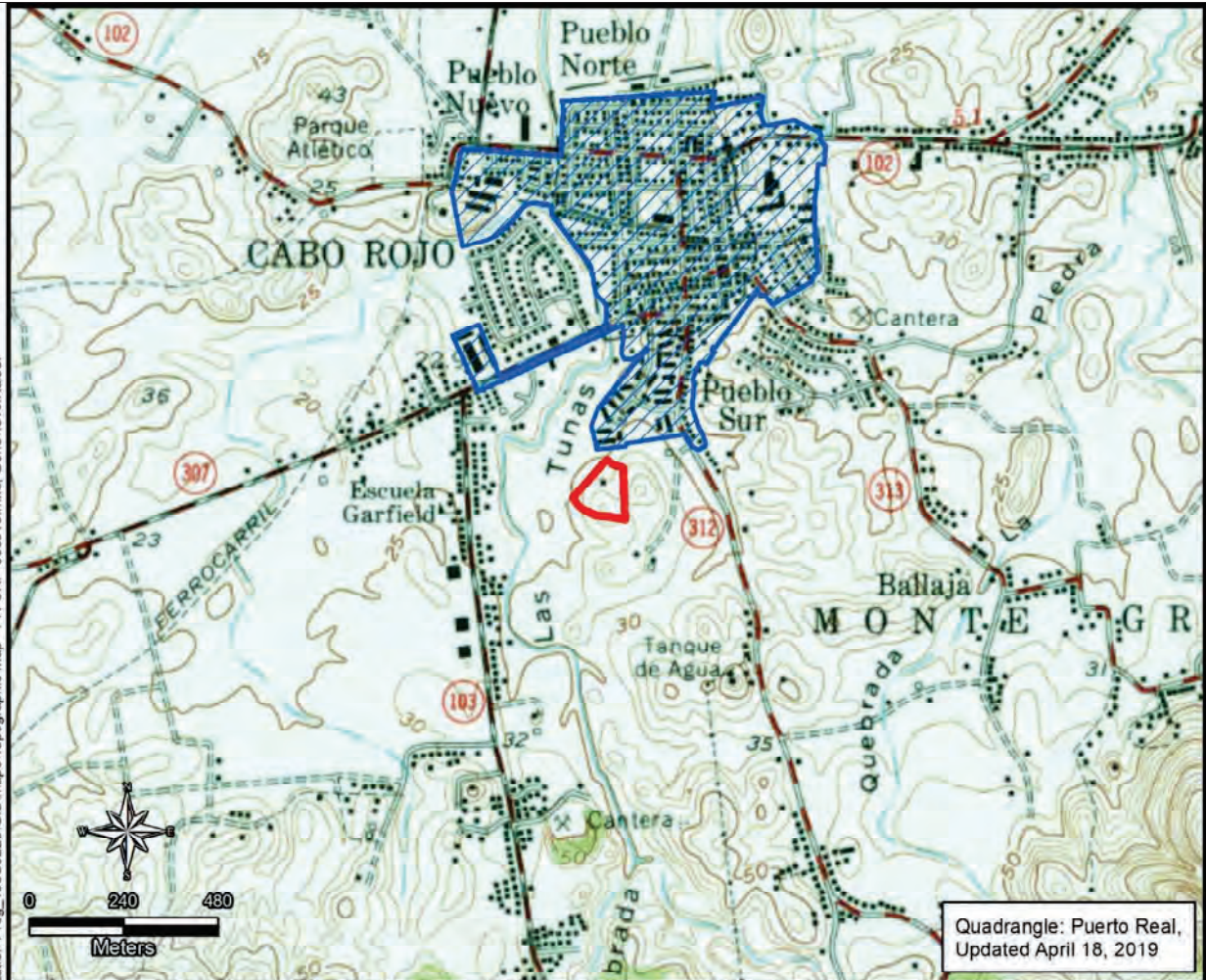


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### Project (Parcel) Location - USGS Topographic Map



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**TETRA TECH**

Source: CRIM, PR State  
Historic Preservation  
Office, NSPS NRIS,

Author: GK

Date: 2/29/2024

#### Legend



Area of Potential Effect

Traditional Urban Area



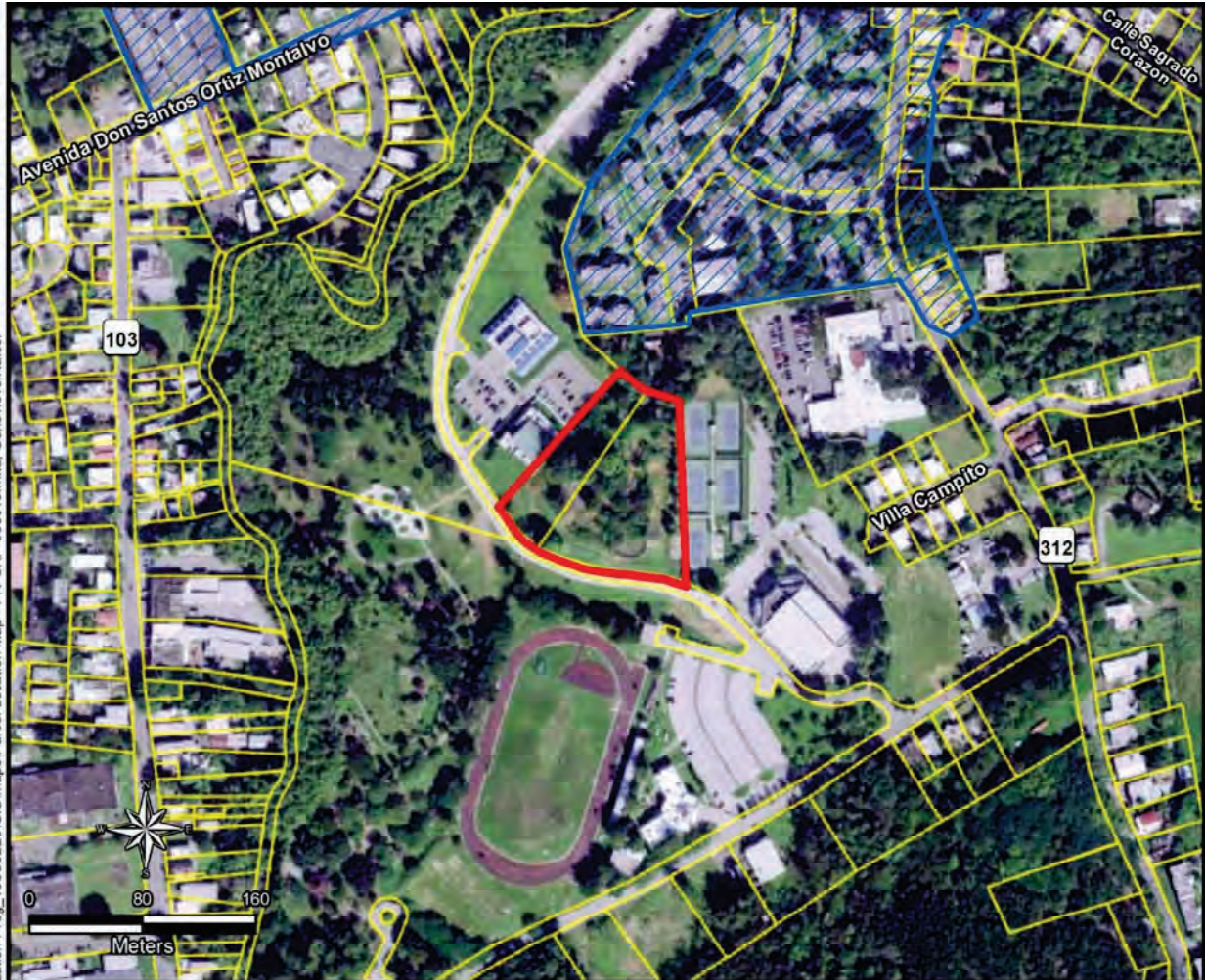


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### Project (Parcel) Location - Aerial Map



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**TETRA TECH**

Source: CRIM, PR State  
Historic Preservation  
Office, NSPS NRIS,

Author: GK

Date: 2/29/2024

#### Legend

-  Area of Potential Effect
-  Traditional Urban Area
-  Parcels



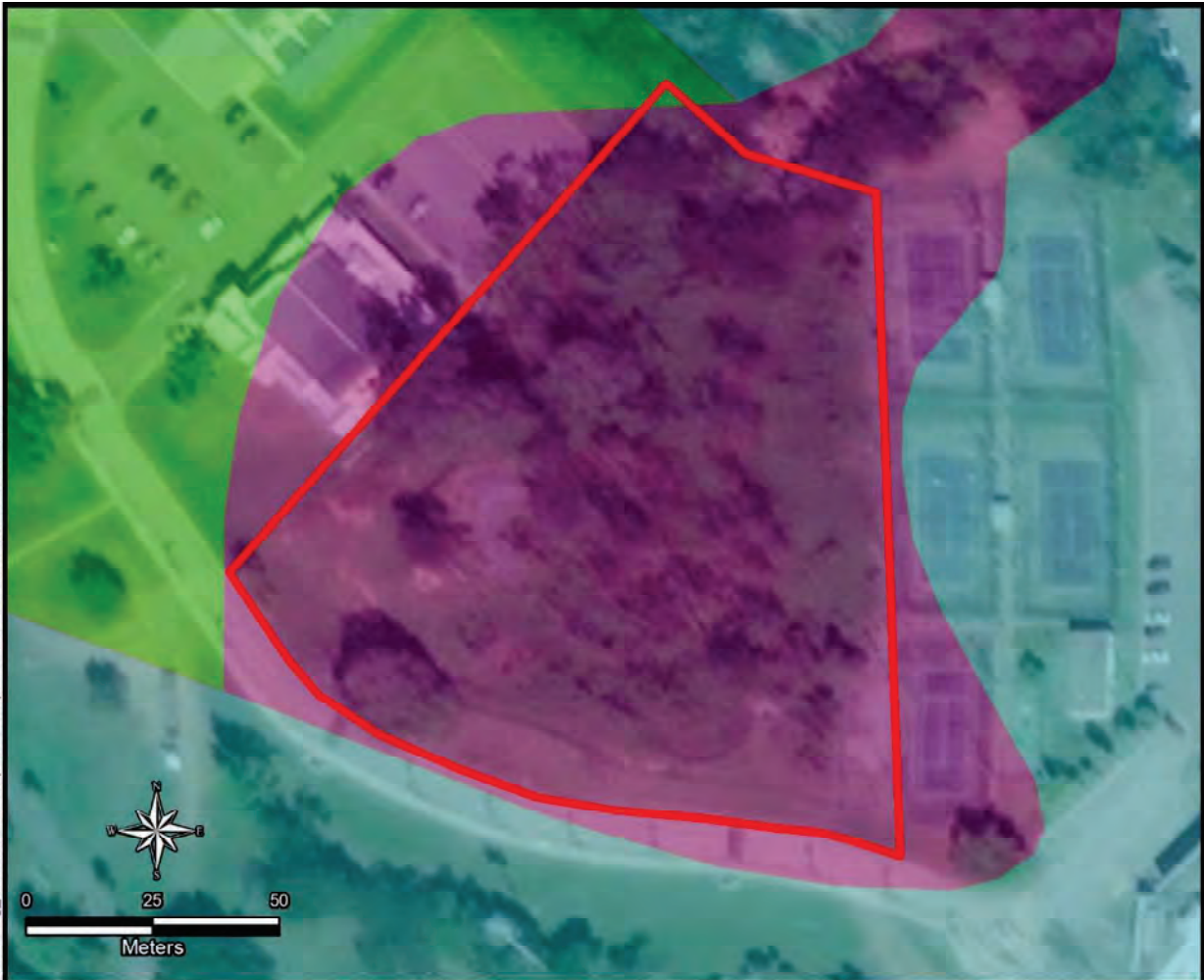


Subrecipient: Municipio de Cabo Rojo

Project Name: Campo de Soccer

Project ID: PR-CRP-000518

### Project (Parcel) Location - Soils Map



C:\projects\TTIDR\_PRDCH City Revitalization Prog\_10550228\GIS\maps\Soils Map - PR-CRP-000518.mxd, Genevieve Kaiser





**TETRA TECH**

Source: CRIM, PR State Historic Preservation Office, NSPS NRIS, NRCS.




Author: GK

Date: 2/29/2024

#### Legend

-  Area of Potential Effect
-  Traditional Urban Area

#### Soils

-  CsE=Consumo clay, 20 to 40 percent slopes
-  HmD=Humatas clay, 12 to 20 percent slopes
-  Ua=Urban land

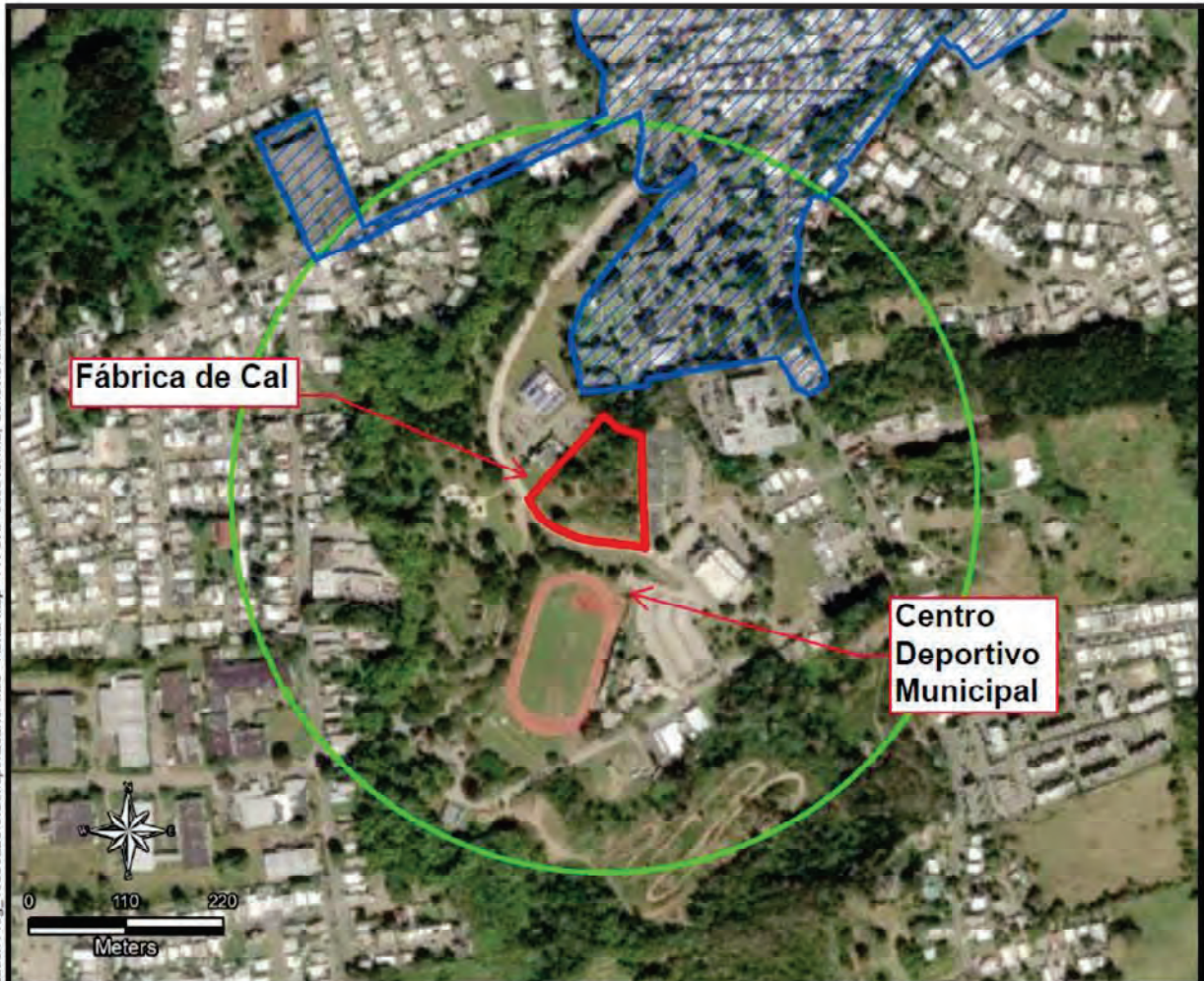


Subrecipient: Municipio de Cabo Rojo

Project Name: Campo de Soccer

Project ID: PR-CRP-000518

### Project (Parcel) Location with Previous Identified Cultural Resources - Aerial Map



C:\projects\TTTDR\_PR\DR\City Revitalization Prog\_10650228\GIS\maps\Quarter Mile - Aerial Map - PR-CRP-000518.mxd, Genevieve Kaiser






**TETRA TECH**

Source: CRIM, PR State  
Historic Preservation  
Office, NSPS NRIS,

Author: GK

Date: 2/29/2024

#### Legend

-  Area of Potential Effect
-  Traditional Urban Area
-  Quarter Mile Buffer



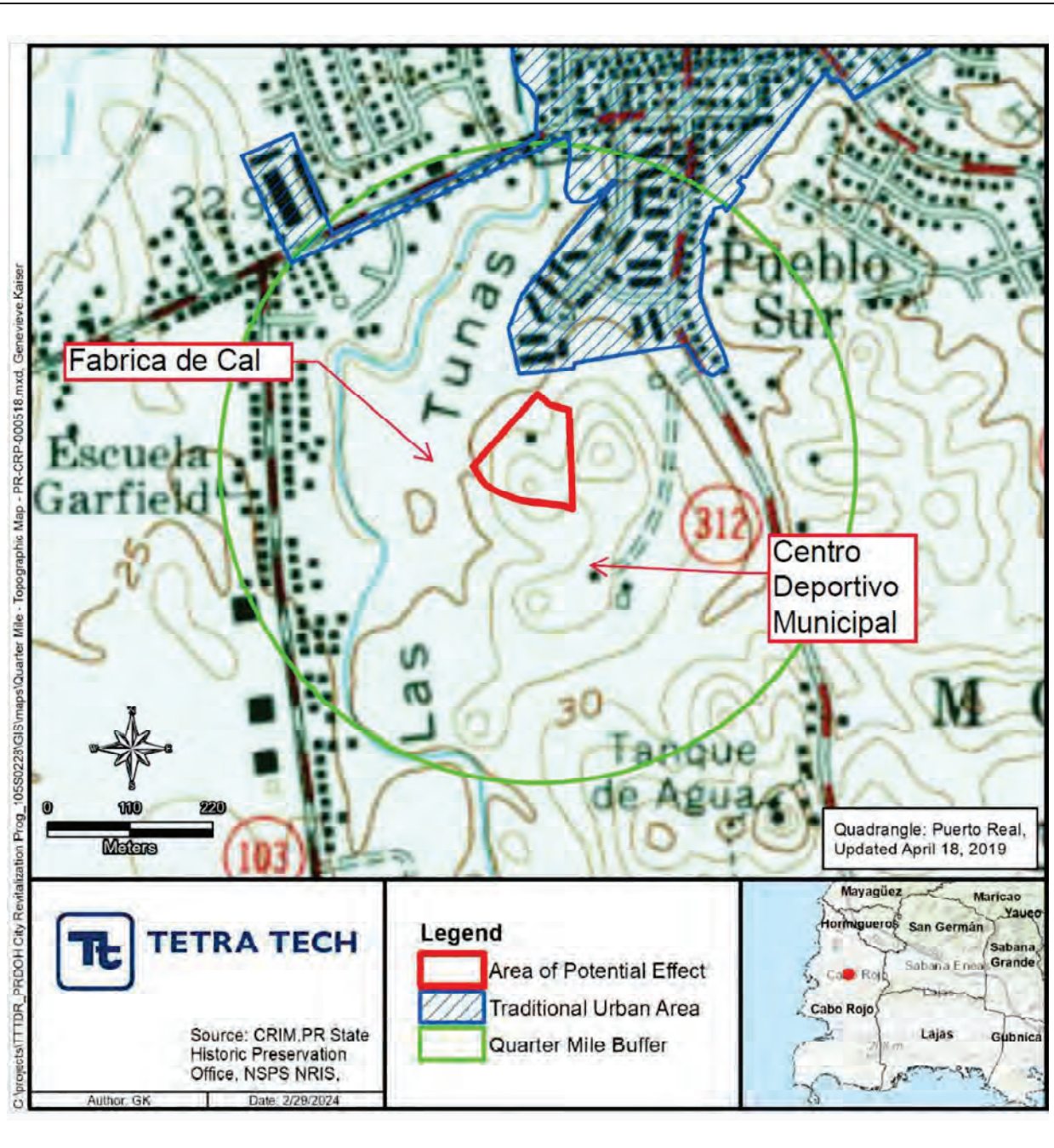


Subrecipient: Municipio de Cabo Rojo

Project Name: Campo de Soccer

Project ID: PR-CRP-000518

### Project (Parcel) Location with Previous Identified Cultural Resources – USGS Topographic Map



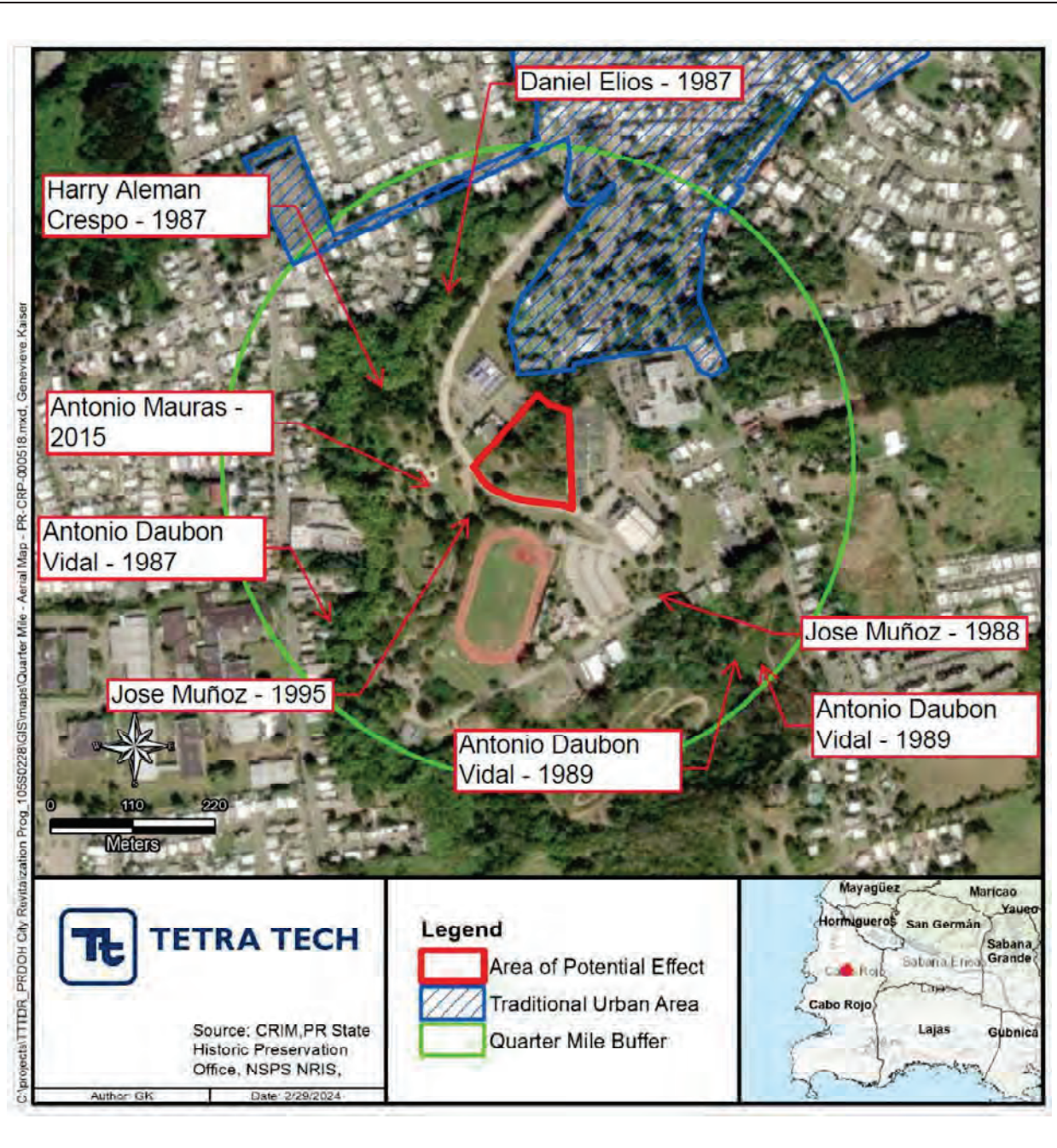


Subrecipient: Municipio de Cabo Rojo

Project Name: Campo de Soccer

Project ID: PR-CRP-000518

### Project (Parcel) Location with Previous Investigations – Aerial Map



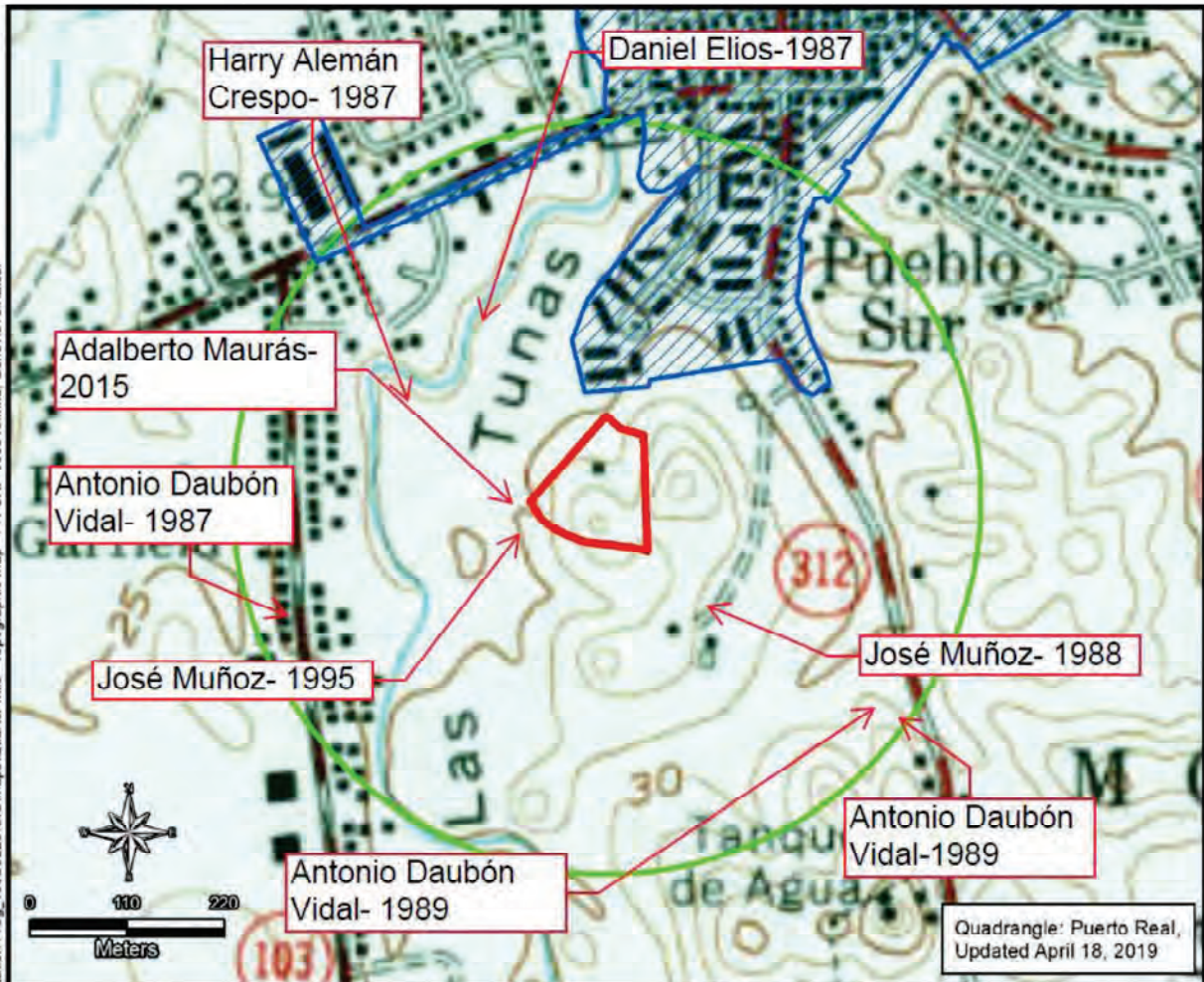


Subrecipient: Municipio de Cabo Rojo

Project Name: Campo de Soccer

Project ID: PR-CRP-000518

Project (Parcel) Location with Previous Investigations - USGS Topographic Map



C:\projects\TTTDR\_PRR00H\_City\_Revitalization\_Prog\_10650228\GIS\maps\Quarter Mile - Topographic Map - PR-CRP-000518.mxd, Genevieve Kaiser



Source: CRIM, PR State Historic Preservation Office, NSPS NRIS,

Author: GK

Date: 2/29/2024

Legend

- Area of Potential Effect
- Traditional Urban Area
- Quarter Mile Buffer



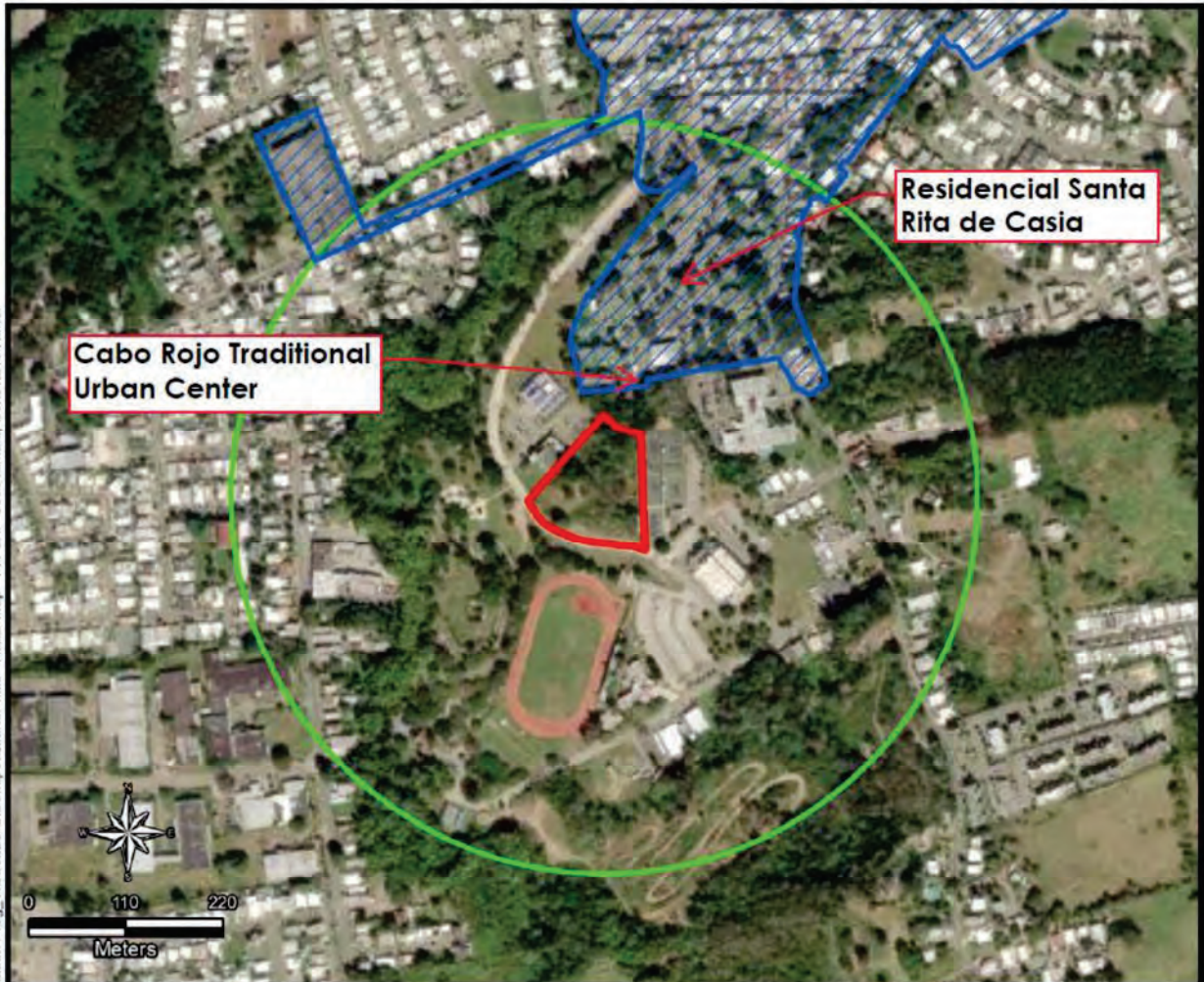


Subrecipient: Municipio de Cabo Rojo

Project Name: Campo de Soccer

Project ID: PR-CRP-000518

### Project (Parcel) Location with NRHP-eligible properties - Aerial Map





\\projec11\1\CRP\000518\City Revitalization Prog...map\Aerial Map - PR-CR-000518.mxd, Genevieve Kaiser



Source: CRIM, PR State Historic Preservation Office, NSPS NRIS,

Author: GK Date: 2/29/2024

- Legend**
-  Area of Potential Effect
  -  Traditional Urban Area
  -  Quarter Mile Buffer



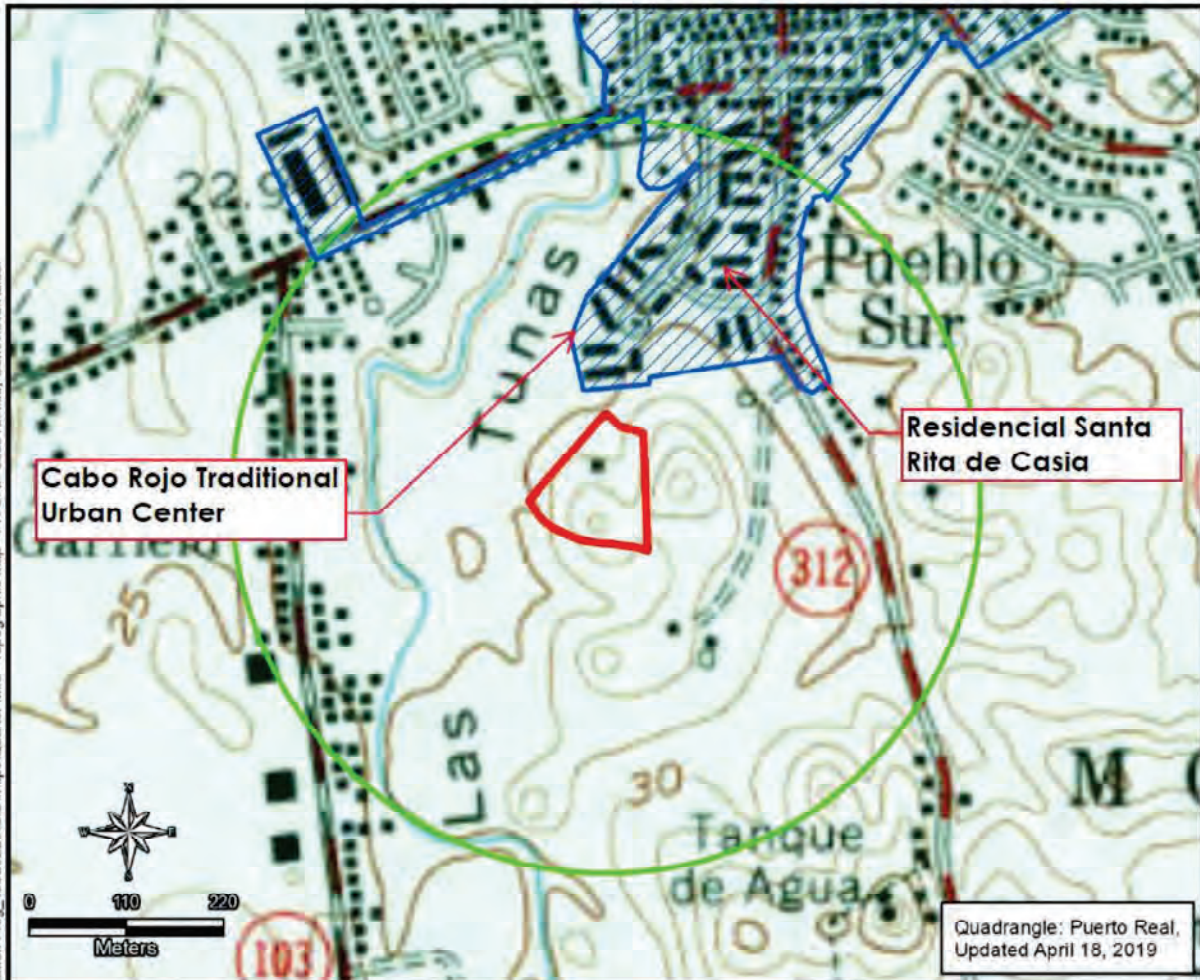


Subrecipient: Municipio de Cabo Rojo

Project Name: Campo de Soccer

Project ID: PR-CRP-000518

### Project (Parcel) Location with NRHP-eligible properties - USGS Topographic Map



C:\projects\TETRA\PR\DR\City Revitalization Prog\_10550228\CUS\maps\Quarter Mile - Topographic Map - PR-CRP-000518.mxd, Generative Kaizen






**TETRA TECH**

Source: CRIM, PR State  
Historic Preservation  
Office, NSPS NRIS,

Author: GK

Date: 2/29/2024

#### Legend

-  Area of Potential Effect
-  Traditional Urban Area
-  Quarter Mile Buffer



Subrecipient: Municipio de Cabo Rojo

Project Name: Campo de Soccer

Project ID: PR-CRP-000518

### Photograph Key





**Subrecipient:** Municipio de Cabo Rojo

**Project Name:** Campo de Soccer

**Project ID:** PR-CRP-000518



**Photo #: 1**

**Description (include direction):**

Date: 2/10/23

Front of project area from street, looking in north.



**Photo #: 2**

**Description (include direction):**

Date: 2/10/23

View of project area from street, looking northwest.

**Subrecipient:** Municipio de Cabo Rojo

**Project Name:** Campo de Soccer

**Project ID:** PR-CRP-000518



**Photo #: 3**

**Description (include direction):**

**Date:** 2/10/23

Access road east of the of project area, looking north.



**Photo #: 4**

**Description (include direction):**

**Date:** 2/10/23

Center of project area, looking to the north.



**Subrecipient:** Municipio de Cabo Rojo

**Project Name:** Campo de Soccer

**Project ID:** PR-CRP-000518



**Photo #: 5**

**Description (include direction):**

Date: 2/10/23

From north of project area, looking south.



**Photo #: 6**

**Description (include direction):**

Date: 2/10/23

North corner of project area, looking south.

**Subrecipient:** Municipio de Cabo Rojo

**Project Name:** Campo de Soccer

**Project ID:** PR-CRP-000518



**Photo #: 7**

**Description (include direction):**

Date: 2/10/23

Center of project area, looking southwest.



**Photo #: 8**

**Description (include direction):**

Date: 2/10/23

South of project area, looking northwest.



**Subrecipient:** Municipio de Cabo Rojo

**Project Name:** Campo de Soccerx

**Project ID:** PR-CRP-000518



**Photo #: 9**

**Description (include direction):**

Date: 2/10/23

West of project area, looking northeast.

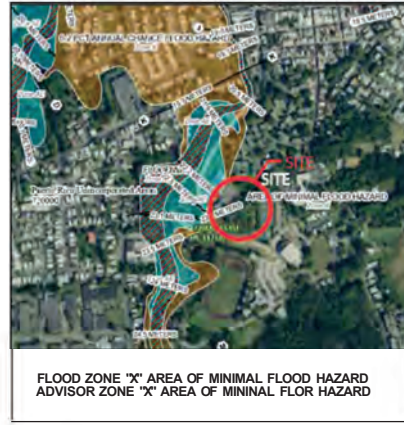
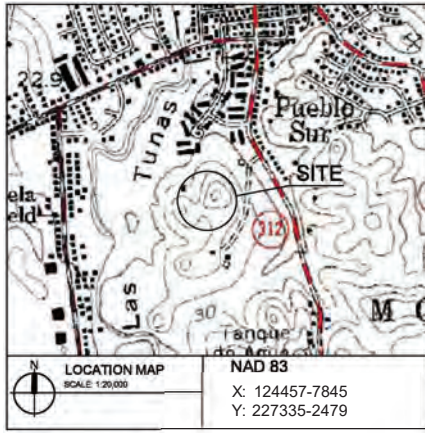


**Photo # 10:**

**Description (include direction):**

Date: 9/4/2023

North of project area, looking north.



# CAMPO DE SOCCER PR-CRP-000518

## MUNICIPALITY OF CABO ROJO

### SPORT COMPLEX REBEKAH COLBERG

#### CABO ROJO, PUERTO RICO 00623

#### 100% FINAL DESIGN SET

**P & S CONSULTANTS**  
ARCHITECTURE  
ENVIRONMENTAL  
MANAGEMENT  
1488 ROOSEVELT AVE. OFFICE 210-B  
SAN JUAN, PUERTO RICO 00905  
PHONE: 787.783.1436 FAX: 787.783.1909



CAMPO DE SOCCER PR-CRP-000518  
MUNICIPALITY OF CABO ROJO  
COMPLEJO DEPORTIVO REBEKAH COLBERG  
CABO ROJO, P.R. 00623

**ered**  
C.F.  
E.O.

T.T.L.S. J.V.E.T.

REVISIONS	SCALE: AS SHOWN
1. 30% PROGRESS SET	
2. 60% ADVANCE SET	
3. 90% FINAL DESIGN SET	
4. 100% FINAL DESIGN SET	

NOT FOR CONSTRUCTION

**Samuel Perez Adorno**  
Digitized by Samuel Perez Adorno  
DN: cn=US, st=Puerto Rico, o=ColegiodeArquitectosyArquitectosPaísaj\$11UdePuerto Rico, email=16925, cn=Samuel Perez Adorno, email=spersona@ibosign.com  
Date: 2023.08.10 15:26:07-0400'

DATE  
**06/30/23**

DRAW BY:

**T-100**



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DWG-1	TOPOGRAPHY		A-170	WALL SECTIONS		E-107	PARTIAL SIGNALS FLOOR PLAN	
			A-171	SCHEDULE & DETAILS		E-108	SCHEDULES	
			A-172	ENLARGED PLANS & DETAILS- BENCHES		E-109	LEGENDS & GENERAL NOTES	
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C-002	GENERAL NOTES 2		A-191	ENLARGED WOMEN'S BATHROOM				
C-100	SITE PLAN		A-192	ENLARGED MEN'S BATHROOM				
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C-110	COORDINATES TABLE		A-210	GATE DETAILS				
C-160	DETAILS 1							
C-170	DETAILS 2							
C-180	DETAILS 3							
				STRUCTURAL				
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C-300	STORM WATER SYSTEM PLAN		S-300	ROOF JOIST & MAIN BEAM, FRAMING PLAN,				
C-400	SANITARY & PORTABLE WATER DISTRIBUTION PLAN		S-400	RETAINING WALL PROFILE & SCHEDULE				
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			S-500	BLEACHERS FRAME ELEVATIONS				
			S-510	BLEACHERS FRAME ELEVATION				
			S-700	BLEACHERS ROOF SECTIONS & DETAILS				
				PLUMBING				
ARCHITECTURE SITE:								
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AS-2	ENLARGED EXTERIOR STAIR ELEVATION & SECTION		P-2.01	ISOMETRIC SANITARY PLAN				
AS-3	ENLARGED EXTERIOR STAIR SECTIONS & DETAILS		P-3.01	PLUMBING NOTE, SCHEDULE & DETAIL				
AS-4	ENLARGED ARCHITECTURAL DETAIL SOCCER GOAL & TRASH							
AS-5	ENLARGED SITE FLAG POLES							
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A-140	SECTIONS		E-103	PARTIAL LIGHTING FLOOR PLAN				

**C. & S. CONSULTANTS**  
 ARCHITECTURAL  
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 1408 ROOSEVELT AVE.  
 GUAYNABO, PUERTO RICO 00961-2108  
 PHONE: 787.783.1436 Fax: 787.783.1909

CAMPO DE SOCCER PR-CRP-000518  
 MUNICIPALITY OF CABO ROJO  
 COMPLEJO DEPORTIVO REBEKAH COLBERG  
 CABO ROJO, P.R. 00823

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 2.000000  
 3.000000  
 4.000000  
 SCALE: AS SHOWN

NOT FOR CONSTRUCTION

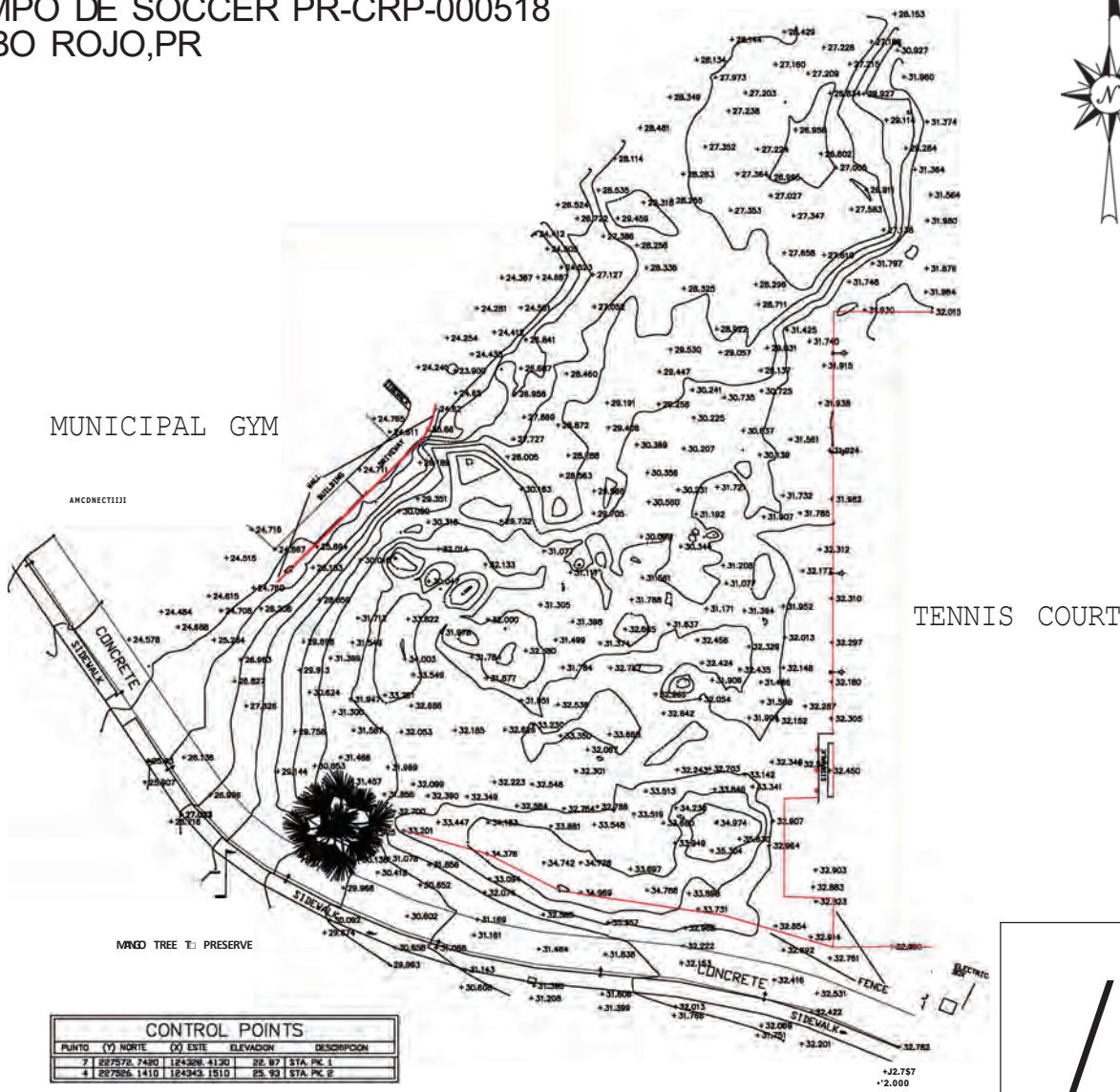
**Samuel Perez Adorno**  
 Digitally signed by Samuel Perez Adorno  
 DN: cn=US, st=Puerto Rico, o=ColegiodeArquitectosyArquitectosPalsajlsta de Puerto Rico, title=16925, cn=Samuel Perez Adorno,  
 email=Sperceca13@bionsgm.com  
 Date: 2023.09.08 08:30:06 -04'00'

DATE  
**08/25/23**

DRAW BY:

**T-101**

# TOPOGRAFY/AS-BUILT CAMPO DE SOCCER PR-CRP-000518 CABO ROJO, PR



MUNICIPAL GYM

TENNIS COURT

CONTROL POINTS				
PUNTO	(Y) NORTE	(X) ESTE	ELEVACION	DESCRIPCION
7	287578.7430	124386.4130	28.97 STA. PK. 1	
4	287285.1410	124343.1510	28.93 STA. PK. 2	



Chang Sierra Asociados  
SURVEY CONSULTANT  
1744 CALIFORNIA ST.  
SAN JUAN, PR 00926  
TEL: 787-762-1166  
CHANGSIERRA7@YAHOO.COM

NO.	REVISION	DATE

- NOTES,
1. ALL DISTANCES ARE EXPRESSED IN METERS, UNLESS OTHERWISE NOTED.
  2. FIELDWORK PERFORMED ON NOVEMBER 2022.
  3. THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULT OF THE SURVEY MADE ON THE DATE INDICATED AND CAN ONLY BE CONSIDERED AS AN INDICATION.
  4. CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS AND MEASUREMENTS AND ADVISE ARCHITECT OR OWNER OF ANY DIFFERENCES. IF THE GENERAL CONDITIONS EXISTING AT THAT TIME.
  5. ALL THE FENCES WERE SHOWN BY THE OWNER.
  6. THIS IS NOT A PROPERTY LIMIT STUDY.

LEGEND

	Survey Station		Cable TV Post		Concrete Marker
	Boundary Point		Survey Point		Boundary Survey Line
	Boundary Line		Fence		Drip Line Fence
	Boundary Wall		Utility Post		Center Station at 10m
	Boundary Line		Survey Point		Center Station at 5m
	Boundary Line		Survey Point		Center Station at 2m
	Boundary Line		Survey Point		Center Station at 1m
	Boundary Line		Survey Point		Center Station at 0.5m
	Boundary Line		Survey Point		Center Station at 0.2m
	Boundary Line		Survey Point		Center Station at 0.1m

PROJECT NAME: LT  
OWNER: W.O. VA  
DATE: 27/12/2022  
SCALE: 1"=400'  
DESIGNED BY: RICHARD CHANG  
APPROVED BY: RICHARD CHANG  
DRAWING NO: DWG\_1  
SHEET NO. OF: 1 1

SANITARY CONNECT IDN



**CIVIL / SITE GENERAL NOTES:**

1. IF CONSTRUCTION HAS NOT COMMENCED WITHIN TWO (2) YEARS THE CONSTRUCTION PLANS MAY BE CONSIDERED OUTDATED. THESE PLANS MAY BE SUBJECT TO RE-REVIEW AND RE-APPROVAL BY THE DESIGN PROFESSIONAL.
2. EXISTING CONDITIONS INFORMATION PERFORMED BY CHANG SIERRA & ASOCIADOS. PERFORMED BY THE SURVEY OR RICHARD CHANG #15682 ON 2/17/2020Z.
3. ELEVATIONS BASED ON PUERTO RICO VERTICAL DATUM 2023AS MEASURE BY THE SURVEYOR.
4. THESE PLANS ARE BASED ON INFORMATION PROVIDED TO THE DESIGNER BY THE SURVEYOR ON RECORD AND THE FIELD SURFACE EVIDENCE AT THE TIME OF SURVEY. THEY ARE TO BE CONSIDERED AS AN APPROXIMATE LOCATION ONLY. THE CONTRACTOR MUST AVOID EXISTING CONDITIONS AND NOTIFY THE ENGINEER DESIGN PROFESSIONAL IN WRITING. IF ACTUAL SITE CONDITIONS DIFFER FROM THOSE SHOWN ON THE PLAN OR IF THE PROPOSED WORK CONFLICTS WITH ANY OTHER SITE FEATURES PRIOR TO COMMENCEMENT OF CONSTRUCTION.
5. IT IS THE CONTRACTORS RESPONSIBILITY TO REVIEW ALL CONSTRUCTION CONTRACT DOCUMENTS INCLUDING, BUT NOT LIMITED TO, AU, OF THE DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THE PROJECT WORK SCOPE PRIOR TO THE INITIATION AND COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR SHOULD FIND A CONFLICT AND/OR DISCREPANCY BETWEEN THE DOCUMENTS RELATIVE TO THE SPECIFICATIONS OR APPLICABLE CODES, REGULATIONS, LAWS, RULES, STATUTES AND/OR ORDINANCE. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO NOTIFY THE PROJECT ENGINEER/DESIGN PROFESSIONAL OF RECORD, IN WRITING, OF SAID CONFLICT AND/OR DISCREPANCY PRIOR TO THE START OF CONSTRUCTION. CONTRACTORS FAILURE TO NOTIFY THE PROJECT ENGINEER/DESIGN PROFESSIONAL SHALL CONSTITUTE CONTRACTORS FULL AND COMPLETE ACCEPTANCE OF ALL RESPONSIBILITY TO COMPLETE THE SCOPE OF WORK AS DEFINED BY THE DRAWINGS AND IN FULL COMPLIANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS, LAWS, STATUTES, ORDINANCES AND CODES.
6. THE CONTRACTOR SHALL CAREFULLY EXAMINE THE SITE AND MAKE ALL INSPECTIONS NECESSARY IN ORDER TO DETERMINE THE FULL EXTENT OF THE WORK REQUIRED TO MAKE THE PROPOSED WORK CONFORM TO THE DRAWINGS AND SPECIFICATIONS.
7. THE CONTRACTOR SHALL SATISFY HIMSELF AS TO THE NATURE AND LOCATION OF THE WORK CONDITIONS AND EXISTENCE OF EXISTING GROUND SURFACE AND CHARACTER OF THE EQUIPMENT AND FACILITIES NEEDED PRIOR TO AND DURING EXECUTION OF THE WORK. THE CONTRACTOR SHALL SATISFY HIMSELF AS TO THE CHARACTER, QUANTITY AND QUALITY OF SURFACE AND SUBSURFACE MATERIALS OR OBSTACLES TO BE ENCOUNTERED. ANY INACCURACIES OR DISCREPANCIES BETWEEN THE DRAWINGS AND SPECIFICATIONS MUST BE BROUGHT TO THE DESIGN PROFESSIONAL ATTENTION IN ORDER TO CLARIFY THE EXACT NATURE OF THE WORK TO BE PERFORMED. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT THE SITE. CONFLICTS BETWEEN THE DRAWINGS AND ACTUAL SITE CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGN PROFESSIONAL BEFORE PROCEEDING WITH THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING DETAILS AND ACCURACY OF THE WORK FOR CONFIRMING AND CORRELATING AU, QUANTITIES CALCULATIONS AND DIMENSIONS, FOR SELECTING FABRICATION PROCESSES, FOR TECHNIQUES OF ASSEMBLY, AND FOR PERFORMING WORK IN A SAFE AND SECURE MANNER.
8. DIMENSIONS FOR LAYOUT AND CONSTRUCTION ARE NOT TO BE SCALED FROM ANY NOT TO SCALE (N/S) DRAWINGS OR PERTINENT DIMENSIONS ARE NOT SHOWN. CONTACT THE ENGINEER FOR CLARIFICATION, AND ANNOTATE THE DIMENSION ON THE DRAWINGS.
9. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE DONE TO ANY NEW OR EXISTING CONSTRUCTION OR PROPERTY DURING CONSTRUCTION, INCLUDING BUT NOT LIMITED TO UTILITIES, PAVEMENT, STRIPS, CURBS AND GUTTERS, ETC. AND SHALL BEAR ALL COSTS ASSOCIATED WITH SAME TO INCLUDE, BUT NOT BE LIMITED TO, REDESIGN, RE-SURVEY, RE-PERMITTING AND CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR AND MUST REPLACE AU, SIGNAL INTERCONNECTION CABLE WIRING, CONDUITS, AND ANY UNDERGROUND ACCESSORY EQUIPMENT DAMAGED DURING CONSTRUCTION AND MUST BEAR ALL COSTS ASSOCIATED WITH SAME.
10. THE REPAIR OF ANY SUCH NEW OR EXISTING CONSTRUCTION OR PROPERTY MUST RESTORE SUCH CONSTRUCTION OR PROPERTY TO A CONDITION EQUIVALENT TO OR BETTER THAN THE CONDITIONS PRIOR TO COMMENCEMENT OF THE CONSTRUCTION, AND IN CONFORMANCE WITH APPLICABLE CODES, LAWS, RULES, REGULATIONS, STATUTORY REQUIREMENTS, AND STATUTES. CONTRACTOR MUST BEAR ALL COSTS ASSOCIATED WITH SAME.
11. CONTRACTOR IS RESPONSIBLE TO DOCUMENT ALL EXISTING DAMAGE AND TO NOTIFY THE OWNER AND THE CONSTRUCTION MANAGER PRIOR TO THE START OF CONSTRUCTION.
12. THE CONTRACTOR WILL CARRY OUT AU, THE WORKS IN ACCORDANCE WITH THE REQUIREMENTS OF THE SANITARY SEWER HEALTH AND SAFETY ACT (1979 O.S.H.A 29 U.S.C. 651 AND FOLLOWING), AS AMENDED, AND ANY MODIFICATION, AMENDMENT, OR REVISION THEREOF. THE CONTRACTOR MUST COMPLY, TO THE FULLEST EXTENT, FOLLOWING THE LATEST O.S.H.A. STANDARDS AND REGULATIONS, AND/OR ANY OTHER AGENCY WITH JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURES. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE "MEANS AND METHODS" REQUIRED TO MEET THE INTENT AND PERFORMANCE CRITERIA OF O.S.H.A. AS WELL AS ANY OTHER AGENCY WITH JURISDICTION FOR EXCAVATION AND/OR TRENCHING PROCEDURES AND THE CONSULTANT ENGINEER SHALL HAVE NO RESPONSIBILITY NOR IS RELATED TO EXCAVATION AND TRENCHING PROCEDURES.
13. THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS AT AND ADJACENT TO THE JOB SITE, INCLUDING, SAFETY OF PEOPLE AND PROPERTY DURING THE PERFORMANCE OF WORK. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE FACT THAT THE ENGINEER IS PRESENT ON THE PREMISES OF THE SITE IF DOES NOT RELIEVE THE GENERAL CONTRACTORS RESPONSIBILITIES WITH THE SAFETY AND WELL BEING OF THE PEOPLE ON SITE.
14. THE CONTRACTOR IS RESPONSIBLE FOR THE STRENGTH AND STABILITY OF THE ALL STRUCTURES DURING CONSTRUCTION AND SHALL PROVIDE TEMPORARY SHORING, BRACING AND OTHER ELEMENTS REQUIRED TO MAINTAIN STABILITY UNTIL THE STRUCTURES ARE COMPLETE. IT IS THE CONTRACTORS RESPONSIBILITY TO BE FAMILIAR WITH THE WORK REQUIRED IN THE CONSTRUCTION DOCUMENTS AND THE REQUIREMENTS FOR EXECUTING IT PROPERLY.
15. CONTRACTOR SHALL OBTAIN, AT HIS OWN EXPENSE, AU, APPLICABLE CODES, LICENSES, STANDARDS, SPECIFICATIONS, PERMITS, BONDS, ETC. WHICH ARE NECESSARY TO PERFORM THE PROPOSED WORK.
16. THE ENGINEER SHALL NOT HAVE CONTROL OVER OR CHARGE OF, AND SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK SHOWN ON THESE PLANS OR ON THESE ANY CONFLICTS, SCOPE REVISIONS WHICH RESULT FROM SAME. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE CONTRACTORS SCHEDULES OR FAIL TO CONDUCT THE WORK. THE ENGINEER IS NOT RESPONSIBLE FOR ACTS OR OMISSIONS OF THE CONTRACTOR, SUBCONTRACTORS, THEIR AGENTS, EMPLOYEES, OR ANY OTHER PERSONS PERFORMING PORTIONS OF THE WORK.
17. THE ENGINEER OF RECORD IS NOT RESPONSIBLE FOR JOB SITE SAFETY. THE ENGINEER OF RECORD HAS NOT BEEN RETAINED TO PERFORM OR BE RESPONSIBLE FOR JOB SITE SAFETY, SAME BEING WHOLLY OUTSIDE OF ENGINEERS SERVICES AS RELATED TO THE PROJECT. THE DESIGN PROFESSIONAL OR ENGINEER OF RECORD IS NOT RESPONSIBLE TO IDENTIFY OR REPORT ANY JOB SITE SAFETY ISSUES, AT ANY TIME. AU, MATERIALS AND WORKMANSHIP SHALL BE IN CONFORMANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS FOR THE APPROPRIATE GOVERNING AGENCY. THE CONTRACTOR SHALL OBTAIN WRITTEN APPROVAL FROM THE APPROPRIATE GOVERNING AGENCY'S, PUBLIC WORKS & UTILITY REGULATIONS MANUAL, AU, APPROVED EASEMENT AGREEMENTS (IF ANY), AND ONE (1) SIGNED COPY OF THE PLANS AS APPROVED BY THE APPROPRIATE GOVERNING AGENCY. THE CONTRACTOR SHALL OBTAIN WRITTEN APPROVAL FROM THE APPROPRIATE GOVERNING AGENCY FOR ANY VARIANCE TO THE ABOVE DOCUMENTS.
18. IN CASE OF DISCREPANCIES BETWEEN THE GENERAL NOTES, SPECIFICATIONS PLANNING/DETAILS OR REFERENCE STAIRS/ARDS, THE DESIGN PROFESSIONAL WILL DETERMINE WHICH SHALL GOVERN AND BE BROUGHT TO THE ATTENTION BEFORE PROCEEDING WITH THE WORK. THE CONTRACTOR MUST IMMEDIATELY NOTIFY IN WRITING, ANY DISCREPANCIES THAT MAY OR COULD AFFECT THE PUBLIC SAFETY, HEALTH OR GENERAL WELFARE, OR PROJECT COST TO THE ENGINEER DESIGN PROFESSIONAL. IF CONTRACTOR PROCEEDS WITH CONSTRUCTION WITHOUT PROVIDING PROPER NOTIFICATION, MUST BE THE CONTRACTORS OWN RISK AND FURTHER, CONTRACTOR SHALL INDEMNIFY, DEFEND AND HOLD HARMLESS THE DESIGN ENGINEER/DESIGN PROFESSIONAL FOR ANY DAMAGES, COSTS, INJURIES, ATTORNEYS FEES AND THE LIKE WHICH RESULT FROM SUCH CASES. IF ANY DISCREPANCY IS FOUND IN THE CONTRACT DOCUMENTS, THE CONTRACTOR WILL BE DEEMED TO HAVE INCLUDED IN THE PRICE THE MOST EXPENSIVE WAY OF COMPLETING THE WORK UNLESS PRIOR TO THE SUBMISSION OF THE PRICE, THE CONTRACTOR HAS ADVISED THE DESIGN PROFESSIONAL OF SUCH DISCREPANCY AS TO WHICH SHALL GOVERN, ACCORDINGLY, ANY CONFLICT IN OR BETWEEN THE CONTRACT DOCUMENTS SHALL, NOT BE A BASIS FOR ADJUSTMENT IN THE CONTRACT PRICE.
19. CONSULTANT IS NEITHER LIABLE NOR RESPONSIBLE FOR ANY SUBSURFACE CONDITIONS AND FURTHER, SHALL NOT HAVE LIABILITY FOR ANY HAZARDOUS MATERIALS, HAZARDOUS SUBSTANCES, OR POLLUTANTS ON, ABOUT OR UNDER THE PROPERTY.
20. THESE PLANS MAKE NO REPRESENTATION AS TO THE SUBSURFACE CONDITIONS AND THE PRESENCE OF SUBSURFACE WATER.
21. CONTRACTOR MUST CONFIRM AND ENSURE 4001, MINIMUM CROSS SLOPE ON AU, GLITTERS AND C. 2016 1/4" MINIMUM CROSS SLOPE ON CONCRETE & ASPHALT (E) AND CONTRACTOR SHALL PROVIDE THE DESIGN PROFESSIONAL WITH A LONGITUDINAL SLOPE FOR ROADS, CURBS, CHANNELS AND ANY OTHER PROPOSED FLOW LINE, TO PREVENT PONDING.
22. CONTRACTOR IS REQUIRED TO SECURE AU, NECESSARY AND/OR REQUIRED PERMITS AND APPROVALS FOR ALL OFF-SITE MATERIAL SOURCES AND DISPOSAL FACILITIES. CONTRACTOR MUST SUPPLY A COPY OF APPROVALS TO ENGINEER, DESIGN PROFESSIONAL, AND OWNER PRIOR TO INITIATING WORK.
23. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING NEARBY PUBLIC STREETS OF MUD OR DEBRIS DUE TO CONSTRUCTION ACTIVITY INITIATED BY SAID CONTRACTOR ON A DAILY BASIS OR AS OTHERWISE DIRECTED BY AUTHORIZED CITY PERSONEL. CARE MUST BE TAKEN TO AVOID ANY GROUND WATER, STORM WATER, CONSTRUCTION DEBRIS, SOIL, OR ANY OTHER FOREIGN MATERIALS FROM ENTERING ANY ACTIVE CITY SEWER. THE USE OF THE SANITARY SEWER SYSTEM FOR THE PURPOSES OF DOWATERING IS STRICTLY PROHIBITED.
24. AU, CONCRETE WORK SUCH AS RETAINING WALLS, WAU, S, COLUMNS, AND BLOCK WALLS WILL BE OVERLAD WITH A 1/4" MINIMUM 1/2" THICKNESS CEMENT PLASTER, EXCEPT WHERE OTHERWISE SPECIFIED.
25. F&W CONCRETE WALLS / RETAINING WALLS WILL RECEIVE ONE COAT OF "PRIMER" AND TWO COATS OF "LATEX" PAINT. THE COLOR WILL BE SELECTED BY THE DESIGN PROFESSIONAL.
26. THE GENERAL CONTRACTOR SHALL CONSULT THE OWNER TO DESIGNATE AREAS ON THE SITE MAPS FOR EQUIPMENT CLEANING, MAINTENANCE, AND REPAIR. THE GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL UTILIZE SUCH DESIGNATED AREAS. CLEANING SHALL BE PROTECTED BY A TEMPORARY PERIMETER BERM, SHALL NOT OCCUR WITHIN 150 FEET OF ANY WATERWAY, WATER BODY OR WETLAND, AND SHALL OCCUR IN AREAS LOCATED AS FAR AS PRACTICAL FROM STORM SEWER INLETS. DUE TO THE EXISTING SITE CONDITIONS AND LIMITATIONS, MATERIAL AND EQUIPMENT STORAGE, MAINTENANCE, AND REPAIR AREAS MAY BE LIMITED OR NON-EXISTING.
27. THE CLEANING OF CEMENT TRUCK DELIVERY CHUTES SHALL OCCUR IN A PREDEFINED CONTAINMENT AREA. THE DISCHARGE OF WATER CONTAINING CEMENT TO THE STORM SEWER SYSTEM IS PROHIBITED.
28. AU, CONSTRUCTION ACTIVITIES DOWATERING MUST COMPLY WITH PUERTO RICO'S PERMITTING PROCESS FOR "STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY".
29. THE PROJECT INSPECTOR SHALL PERFORM A PROPER EXAMINATION OF THE MATERIALS AND WORK PERFORMED AND SHALL NOTIFY THE DESIGN PROFESSIONAL OF ANY NONCOMPLIANCE WORK FOR REVIEW. UNAPPROVED WORK SHALL BE REDONE UNTIL COMPLIANCE WITH THIS PLANS AND SPECIFICATIONS AND WITH APPLICABLE CONSTRUCTION STANDARDS ARE ACHIEVED. THE TOLERANCES PERMITTED WILL BE IN ACCORDANCE WITH THE APPLICABLE REFERENCES IN CHAPTER 35 OF THE INTERNATIONAL BUILDING CODE 2018 BY TYPE OF WORK PERFORMED, AND ANY CONCERNING GOVERNMENT AGENCY STANDARDS OR REGULATIONS. ALL CONCRETE CONSTRUCTION WORKS SHALL BE IN ACCORDANCE WITH THE ACI 308.1-11 (B) AND ACI 308.2-11 (E). STEEL CONSTRUCTION SHALL BE IN ACCORDANCE WITH AISC THE STEEL CONSTRUCTION MANUAL LATEST EDITION.
30. AU, OF THE MATERIALS USED IN THE PROJECT SHALL BE NEW AND SUBJECTED TO THE INSPECTION BY AN APPOINTED INSPECTOR AND APPROVAL OF THE DESIGN PROFESSIONAL AT ALL TIMES. THE DESIGN PROFESSIONAL AND/OR INSPECTOR HAS THE RIGHT TO REQUEST ANY TESTING DEEMED NECESSARY TO ENSURE

- COMPLIANCE OF THE MATERIAL WITH THESE STANDARDS. NO MATERIAL SHALL BE USED BEFORE BEING INSPECTED AND APPROVED BY THE DESIGN PROFESSIONAL. FAILURE OR NEGLECT ON THE PART OF THE DESIGN PROFESSIONAL TO CONVEY OR INSTRUCT CONTRACTORS OF MATERIALS OR WORK SHALL NOT BE CONSIDERED TO IMPLY THEIR ACCEPTANCE. THEIR INFIRIORITY SHOULD BECOME EVIDENT AT ANY TIME PRIOR TO FINAL ACCEPTANCE OF THE WORK. DESIGN PROFESSIONAL HAVE THE RIGHT TO REJECT DEFECTIVE OR INFERIOR MATERIALS OR WORK TO REFLECT WORKMANSHIP TO SUSPEND WORK UNTIL SUCH TIME AS THE CONTRACTOR SHALL CORRECT THE DISCREPANCIES IN QUESTION.
31. REFER TO ARCHITECTURAL AND ELECTRICAL PLANS FOR SITE ELECTRIC AND LIGHTING PLANS. THE CONTRACTOR MUST MAKE SURE THEY ARE COORDINATED FOR THE INSTALLATION OF THE ELECTRICAL, MECHANICAL AND WATER DISTRIBUTION INFRASTRUCTURES WITH THE CIVIL WORKS.
32. REFER TO CML DETAILS FOR CONCRETE JOINTING DETAILS.
33. ALTERNATE PRODUCTS OF SIMILAR STRENGTH, NATURE, AND FORM FOR SPECIFIED ITEMS SHALL BE SUBMITTED WITH ADEQUATE TECHNICAL DOCUMENTATION TO THE DESIGN PROFESSIONAL FOR REVIEW. ALTERNATE MATERIALS THAT ARE SUBMITTED WITHOUT ADEQUATE TECHNICAL DOCUMENTATION OR THAT SIGNIFICANTLY DEVIATE FROM THE DESIGN INTENT OF MATERIALS SPECIFIED SHALL BE RETURNED WITHOUT REVIEW. ALTERNATES SUBMITTED TO THE DESIGN PROFESSIONAL THAT REQUIRE SUBSTANTIAL EFFORT TO REVIEW WILL NOT BE REVIEWED UNLESS AUTHORIZED BY THE OWNER.
34. THE SPECIFICATION OR APPROVAL OF A PRODUCT BY THE DESIGN PROFESSIONAL DOES NOT RELIEVE THE CONTRACTOR IS RESPONSIBLE TO VERIFY THE PRODUCT FOR COMPATIBILITY WITH THE OTHER SPECIFIED PRODUCTS A/F) SYSTEM.
35. SUBMITTALS SHALL BE MADE IN TIME TO PROVIDE A MINIMUM OF TWO (2) WEEKS FOR REVIEW BY THE DESIGN PROFESSIONAL PRIOR TO THE ONSET OF FABRICATION. THE CONTRACTOR SHALL SUBMIT ALL SUBMITTALS WITH THE SUBMITTALS FOR COMPLETENESS. DIMENSIONS AND QUANTITIES ARE NOT REVIEWED BY THE DESIGN PROFESSIONAL, AND THEREFORE, THEY MUST BE VERIFIED BY THE GENERAL CONTRACTOR. CONTRACTOR SHALL PROVIDE DOCUMENTS FOR THE DESIGN CONCEPT AND THE CONTRACT DOCUMENTS, THEN THE DESIGN PROFESSIONAL WU, STAMP THE SUBMITTAL ACCORDINGLY. MARKINGS OR COMMENTS SHALL NOT BE CONSTRUED AS RELIEVING THE CONTRACTOR FROM COMPLIANCE WITH THE PROJECT PLANS AND SPECIFICATIONS, NOR DEPARTURES THERE FROM.
36. THE DESIGN PROFESSIONAL OR ENGINEER OF RECORD WILL REVIEW OR TAKE OTHER APPROPRIATE ACTION ON THE CONTRACTOR SUBMITTALS, SUCH AS SHOP DRAWINGS, PRODUCT DATA, SAMPLES AND OTHER DATA, WHICH THE CONTRACTOR IS REQUIRED TO SUBMIT, BUT ONLY FOR THE LIMITED PURPOSE OF CHECKING FOR CONFORMANCE WITH THE DESIGN INTENT AND THE INFORMATION SHOWN IN THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING METHODS AND/OR TECHNIQUES OR PROCEDURES, COORDINATION OF THE WORK WITH OTHER TRADES, AND CONSTRUCTION SAFETY PRECAUTIONS ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND THE DESIGN PROFESSIONAL OR ENGINEER OF RECORD HAS NO RESPONSIBILITY OR LIABILITY FOR SAME HERE UNDER. THE DESIGN PROFESSIONAL OR ENGINEER SHOP DRAWING REVIEW WILL BE CONDUCTED WITH REASONABLE PROMPTNESS WHILE ALLOWING SUFFICIENT TIME TO PERMIT ADEQUATE REVIEW. REVIEW OF A SPECIFIC ITEM MUST NOT INDICATE THAT THE DESIGN PROFESSIONAL OR ENGINEER OF RECORD HAS REVIEWED THE ENTIRE ASSEMBLY OF WHICH THE ITEM IS A COMPONENT. THE DESIGN PROFESSIONAL OR ENGINEER OF RECORD WILL NOT BE RESPONSIBLE FOR ANY DEVIATIONS FROM THE CONSTRUCTION DOCUMENTS NOT PROMPTLY AND IMMEDIATELY BROUGHT TO HIS ATTENTION, IN WRITING, BY THE CONTRACTOR. THE DESIGN PROFESSIONAL OR ENGINEER OF RECORD WILL NOT BE REQUIRED TO REVIEW PARTIAL SUBMISSIONS OR THOSE FOR WHICH ARE CORRELATED ITEMS THAT HAVE NOT BEEN REVIEWED.
37. ANY HAZARDOUS OR POTENTIALLY HAZARDOUS MATERIAL THAT IS BROUGHT ONTO THE CONSTRUCTION SITE SHALL BE HANDLED PROPERLY TO REDUCE THE POTENTIAL FOR STORM WATER POLLUTION. ALL MATERIALS USED ON THIS CONSTRUCTION SITE SHALL BE PROPERLY STORED, HANDLED, DISPENSED AND DISPOSED OF FOLLOWING AU, APPLICABLE LABEL DIRECTIONS, FLAMMABLE AND COMBUSTIBLE LIQUIDS SHALL BE STORED AND HANDLED ACCORDING TO APPLICABLE REGULATIONS AND, AT A 1/4" MINIMUM, ACCORDING TO 29 CFR 1928.152. ONLY APPROVED CONTAINERS AND PORTABLE TANKS SHALL BE USED FOR STORAGE AND HANDLING OF FLAMMABLE AND COMBUSTIBLE LIQUIDS. IN THE EVENT OF AN ACCIDENTAL SPILL, IMMEDIATE ACTION SHALL BE TAKEN BY THE GENERAL CONTRACTOR TO CONTAIN AND REMOVE THE SPILLED MATERIAL. THE SPILL SHALL BE REPORTED TO THE APPROPRIATE AGENCIES IN THE REQUIRED TIME FRAMES. AU, HAZARDOUS MATERIALS, INCLUDING CONTAMINATED SOIL/LAND LIQUIDS, SHALL BE RESPONSIBLE FOR THE CONTRACTOR IN THE MANNER SPECIFIED BY FEDERAL, STATE AND LOCAL REGULATIONS AND BY THE MANUFACTURER OF SUCH PRODUCTS. MATERIAL SAFETY DATA SHEETS (MSDS) INFORMATION SHALL BE KEPT ON SITE FOR ANY AND AU, APPLICABLE MATERIALS.
38. THE CONTRACTOR WILL INSTA, ALL THE PLUMBING FIXTURES AND FITTINGS AS SPECIATED IN THE CONSTRUCTION DOCUMENTS OR AS SPECIATED BY THE MANUFACTURER OF THE EQUIPMENT AND ALL NECESSARY COMPONENTS AND ACCESSORIES FOR A COMPLETE INSTALLATION.
39. THE CONTRACTOR WILL PROVIDE AU, ELECTRICAL AND PLUMBING SYSTEMS THAT ARE NOT NECESSARILY SPECIATED BUT ARE NECESSARY FOR THE END FUNCTION OF THE SPECIATED EQUIPMENT.
40. THE SIZES OF PIPES AND THEIR ACCESSORIES SHOWN ARE MINIMUM AND SHOULD BE INCREASED AS NECESSARY TO MEET THE REQUIREMENTS OF THE CODES OR THE MANUFACTURER OF THE EQUIPMENT OR APPLIANCE TO BE CONNECTED. WITH RESPECT TO EQUIPMENT AND PIPES, THE CONTRACTOR WILL VERIFY THE EXISTING CONSTRUCTION WITH THE DESIGN PROFESSIONAL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ORDERS WILL NOT BE AWARDED DUE TO DIFFERENCES BETWEEN THE ACTUAL DIMENSIONS AND THOSE INDICATED IN THE DRAWINGS. THE MECHANICAL WORK MUST BE COORDINATED WITH THE WORK OF THE OTHER TRADES.
41. THE CONTRACTOR WILL HAVE TO SUBMIT FOR APPROVAL OF THE DESIGN PROFESSIONAL OR ENGINEER ANY CHANGE OF EQUIPMENT OR ACCESSORY OF ANY OTHER, EVEN IF IT IS EQUIVALENT TO THAT SPECIFIED BEFORE ITS INSTALLATION.
42. AU, PLUMBING WORK MUST BE IN STRICT ACCORDANCE WITH THE PUERTO RICO HEALTH DEPARTMENT, THE PUERTO RICO BUILDING CODE 2018, THE PUERTO RICO PLUMBING CODE 2018, THE REGULATIONS ON PLUMBING FOR CONSTRUCTION TO THE "UNTA DE PLANIFICACION DE PUERTO RICO" (C) 2018 OF THE REGULATION OF "LAS

- NORMAS DE DISEÑO OF THE AQUEDUCT AND SEWER AUTHORITY OF PR AND THE SPECIFICATIONS ISSUED BY THIS PROJECT. IT IS THE CONTRACTOR RESPONSIBILITY TO CARRY OUT THE PROPOSED CONSTRUCTION WORKS IN FULL COMPLIANCE WITH THE LAWS OF PUERTO RICO AND THE UNITED STATES, INCLUDING ALL THE RULES AND/OR REGULATIONS OF THE RELEVANT STATE AND/OR FEDERAL AGENCIES SUCH AS AAA, AEA, EPA, DTP, DRNA, OSHA, "DEPARTAMENTO DEL TABAJ", PR HIGHWAY AUTHORITY (PRHA) AND WITHOUT EXCLUDING ANY OTHER.
43. WHEN DURING THE COURSE OF CONSTRUCTION, IF ANY OBJECT OF AN UNUSUAL NATURE IS ENCOUNTERED, THE CONTRACTOR SHALL CEASE WORK AT THAT AREA AND IMMEDIATELY NOTIFY THE OWNER, APPROPRIATE GOVERNING AGENCY, AND/OR THE DESIGN PROFESSIONAL.
44. THE APPROVAL OF THESE PLANS SHALL IN NO WAY RELIEVE THE CONTRACTOR OF COMPLYING WITH OTHER APPLICABLE LOCAL, STATE, AND FEDERAL REQUIREMENTS.
45. UNLESS REQUIRE AND FORMALLY CONTRACTED BY OWNER OR OWNER REPRESENTATIVE, THE CONSULTING CIVIL ENGINEER SCOPE OF WORK FOR THE CONNECTION OF THIS CIVIL PLANS DOES NOT INCLUDE ANY CONSTRUCTION SITE VISITS, INSPECTION OR REVIEW OF THE CONTRACTORS PERFORMANCE, NOR IS INCLUDED THE REVIEW OF THE ADEQUACY OF THE CONTRACTORS SAFETY MEASURES IN, ON, OR NEAR THE CONSTRUCTION SITE.
46. IF APPLICABLE, THE INSPECTORS SHALL BE EMPLOYED BY THE OWNER, OR OWNER REPRESENTATIVE TO PROVIDE SPECIAL INSPECTIONS FOR THE PROJECT. SPECIAL INSPECTORS SHALL BE QUALIFIED LICENSED PROFESSIONALS ARCHITECT OR ENGINEER TO PRACTICE IN PUERTO RICO. THE CONTRACTOR IS RESPONSIBLE FOR ARRANGING AU, NECESSARY INSPECTIONS WITH THE SPECIAL INSPECTOR OF THE PROJECT. THE PRESENCE OR ABSENCE OF THE SPECIAL INSPECTOR WILL RELIEVE THE CONTRACTOR OF FULL RESPONSIBILITY FOR THE PROPER PERFORMANCE OF WORK.
47. SPECIAL INSPECTION REPORTS SHALL BE PROVIDED ON A WEEKLY BASIS. FINAL SPECIAL INSPECTION REPORTS WILL BE REQUIRED PER BC 1704.12. SUBMIT COPIES OF ALL INSPECTION REPORTS TO THE DESIGN PROFESSIONAL AND THE AUTHORITY HAVING JURISDICTION FOR REVIEW.
48. INSPECTIONS AND TESTING SHALL BE PROVIDED IN ACCORDANCE WITH THE LATEST PUERTO RICO CODES, ICC CODES AS ADOPTED BY THE GOVERNMENT OF PUERTO RICO, SECTIONS 1704AND 1705.
49. THE GOVERNING CODE FOR THE DESIGN AND CONSTRUCTION OF THIS PROJECT IS GOVERNED BY THE PUERTO RICO CODES 2018 AND THE INTERNATIONAL CODE COUNCIL (ICC) 2018 EDITION CODES, AS ADOPTED IN PUERTO RICO.
50. REFER TO CHAPTER 35 OF THE INTERNATIONAL BUILDING CODE, WHERE REFERENCES TO ANY STANDARDS AND CODES ARE MENTIONED IN THE PLANS, USE THE LATEST EDITION OF THE STANDARD, UNLESS SPECIFICALLY STATED OTHERWISE. REFERENCE TO A SPECIFIC SECTION N A CODE DOES NOT RELIEVE THE CONTRACTOR FROM COMPLIANCE WITH THE ENTIRE STANDARD.
51. THE WORK MUST INCLUDE AU, THOSE MINOR ASPECTS THAT, ARE DEMONSTRATED OR NOT IN THE CONSTRUCTION DOCUMENTS, AND THAT ARE REQUIRED TO ANISH THE WORK SATISFACTORILY. THE FACT THAT THE CONTRACTOR HAS SPECIATED DIRECTLY SPECIATED IN THE CONSTRUCTION DOCUMENTS, DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF SUPPLYING THEM AND WITHOUT AN ADDITIONAL COST.
52. THE CONTRACTOR SHALL SUBMIT FOR APPROVAL ALL THE ELEMENTS AND/OR PRODUCTION METHODS TO BE USED, INCLUDING THOSE SPECIFIED WITH PARTICULAR ATTRIBUTES AND PERFORMANCES, AND SHALL INFORM THE DESIGN PROFESSIONAL OF ANY DISCREPANCY IN RELATION TO THE REQUIREMENTS IN THE CONTRACT DOCUMENTS.
53. THE CONTRACTOR MUST SUBMIT ANY DETAIL, SAMPLE OR WORKSHOP DRAWING THAT IS REQUIRED ANYWHERE IN THE CONSTRUCTION DOCUMENTS.
54. IF THE CONTRACTOR FINDS ASBESTOS MATERIAL IN AN EXISTING STRUCTURE, HE MUST IMMEDIATELY NOTIFY THE DESIGN PROFESSIONAL TO TAKE THE PERTINENT MEASURES.
55. IF THE CONTRACTOR DEVIATES FROM THE PLANS AND SPECIFICATIONS, INCLUDING THE NOTES CONTAINED HEREIN, WITHOUT FIRST OBTAINING THE PRIOR WRITTEN AUTHORIZATION OF THE DESIGN PROFESSIONAL FOR SUCH DEVIATIONS, THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE PAYMENT OF AU, COSTS INCURRED IN CORRECTING ANY WORK DONE WHICH DEVIATES FROM THE PLANS, AU, ANES AND/OR PENALTIES ASSESSED WITH RESPECT THERE TO AND AU, COMPENSATORY OR PUNITIVE DAMAGES RESULTING THE REFORM AND, FURTHER, SHALL DEFEND, INDEMNIFY AND HOLD HARMLESS THE DESIGN PROFESSIONAL, TO THE FULL EXTENT PERMITTED UNDER THE LAW, FOR AND FROM AU, FEES, ATTORNEYS' FEES, DAMAGES, COSTS, JUDGMENTS, PENALTIES AND THE LIKE RELATED TO SAME.
56. OWNER MUST MAINTAIN AND PRESERVE AU, PHYSICAL SITE FEATURES A/F) DESIGN FEATURES DEPICTED ON THE PLANS AND/OR RELATED DOCUMENTS, IN STRICT ACCORDANCE WITH THE APPROVED PLANS) AND DESIGN. FURTHER DESIGN PROFESSIONAL IS NOT RESPONSIBLE FOR ANY FAILURE TO MAINTAIN AND PRESERVE SITE AND/OR DESIGN FEATS. IF OWNER FAILS TO MAINTAIN AND/OR PRESERVE AU, PHYSICAL SITE FEATURES AND/OR DESIGN FEATURES DEPICTED ON THE PLANS AND RELATED DOCUMENTS, THE DESIGN PROFESSIONAL IS TO BE HOLD HARMLESS AS A RESULT OF SAID FALL.
57. AT A MINIMUM, THE OWNER SHALL INSPECT AND MAINTAIN AU, CATCH BASIN BY REMOVING ALL SEDIMENTS AND DEBRIS BIENNUELY AND BEFORE & AFTER A SIGNIFICANT PRECIPITATION EVENT IS EXPECTED OR AS RECOMMENDED PER FEMA OR ANY OTHER GOVERNMENT RELATED AGENCY. IF OWNER FAILS TO PROPER MAINTAIN CATCH BASINS FREE OF SEDIMENTS AND DEBRIS MAY RESULT IN INADEQUATE SITE DRAINAGE CONDITIONS.
58. CONTRACTOR MUST INSTA, AU, ELEMENTS AND COMPONENTS IN STRICT COMPLIANCE AND ACCORDANCE WITH THE ENGINEER AND RECOMMENDED INSTALLATION CRITERIA AND SPECIFICATIONS. IF CONTRACTOR FAILS TO DO SO, AGREE TO INDEMNIFY AND HOLD ENGINEER HARMLESS FOR ALL INJURIES AND DAMAGES THAT ENGINEER SUFFERS AND AU, COSTS THAT ENGINEER INCURS AS A RESULT OF SAID FAILURE.

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CAMPO DE SOCORRO DE CERRO GORDIS  
 MUNICIPALITY OF CAYO RUIZ  
 COMPLEJO DEPORTIVO REEBERHAN COLLEGE  
 CAYO RUIZ, P.R. 00623

GENERAL NOTES

Prepared For:

REVISIONS

1. NEW PROGRESS SET
2. WORK ADVANCE SET
3. NEW FINAL DESIGN SET
4.

NOT FOR CONSTRUCTION

SCALE AS SHOWN

DATE  
**JUL 30 2023**

DRAWBY:  
**HUMC**

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80. THE ENGINEER IS NOT RESPONSIBLE AND DOES NOT ENJOY OR SUPERVISE CONSTRUCTION.
81. THE CONTRACTOR AGREES TO HOLD HARMLESS AND INDEMNIFY THE CIVIL ENGINEER AGAINST ALL DAMAGES, CLAIMS, AND LOSSES, INCLUDING DEFENSE COSTS, ARISING OUT OF ANY REUSE OF THE PLANS AND SPECIFICATIONS WITHOUT THE WRITTEN AUTHORIZATION OF THE CIVIL ENGINEER.
82. THE APPROVAL OF 114S PLAN SHALL IN NO WAY GRANT PERMISSION FOR THE CONTRACTOR TO TRESPASS ON OFF-SITE PROPERTIES.
83. THE CONTRACTOR SHALL NOTIFY THE LOCAL JURISDICTION AT LEAST 24 HOURS PRIOR TO THE START OF CONSTRUCTION. THE APPROPRIATE FIRE DEPARTMENT SHALL BE NOTIFIED AT LEAST 48 HOURS IN ADVANCE OF ANY STREET CLOSURES AND IN THE EVENT THAT ANY FIRE HYDRANTS ARE TO BE TEMPORARILY REMOVED FROM SERVICE, THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR PROVIDING AT LEAST 48 HOURS ADVANCED NOTICE OF ANY NEED TO SHUT DOWN ANY PORTION OF THE EXISTING WATER SYSTEM AND FOR OBSERVATIONS AND/OR INSPECTIONS REQUIRED.
84. EMERGENCY VEHICLE ACCESS SHALL BE MAINTAINED DURING ALL PHASES OF CONSTRUCTION.
85. WHERE WALLS OR RETAINING WALLS ARE IDENTIFIED ON PLANS, ELEVATIONS IDENTIFIED ARE FOR THE EXPOSED PORTION OF THE WALL. WALL FOOTINGS OR FOUNDATION ELEVATIONS ARE NOT IDENTIFIED, HEREIN REFER TO STRUCTURAL OR DESIGN PROFESSIONAL DRAWINGS FOR CONSTRUCTION DETAILS AND SPECIFICATIONS.
86. ALL GENERAL CONTRACTOR WORK TO BE COMPLETED (EARTHWORK AND FINAL GRACING) BY THE MILESTONE DATE IN PROJECT DOCUMENTS.
87. AS CONTAINED IN THESE DRAWINGS AND ASSOCIATED APPLICATION DOCUMENTS PREPARED BY THE SIGNATORY PROFESSIONAL DESIGNER, THE USE OF THE WORDS CERTIFY OR CERTIFICATION CONSTITUTES AN EXPRESSION OF PROFESSIONAL OPINION REGARDING THE INFORMATION ON WHICH IS THE SUBJECT OF THE UNDERSIGNED PROFESSIONAL KNOWLEDGE OR BELIEF AND IN ACCORDANCE WITH COMMON ACCEPTED PRACTICES CONSISTENT WITH THE APPLICABLE STANDARDS OF PRACTICE, AND DOES NOT CONSTITUTE A WARRANTY OR GUARANTEE, EITHER EXPRESSED OR IMPLIED.

**GES PLAN NOTES:**

- THIS PROJECT REQUIRES AN EROSION CONTROL DESIGN & SWPPP. CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION, DESIGN, PAYMENT, SUBMISSION AND IMPLEMENTATION OF THOSE WORKS. DRAFT OF DOCUMENTS SHALL BE SUBMITTED TO THE PROJECT OWNER FOR REVIEW AND APPROVAL TO THE CONTRACTOR FOR SUBMISSION TO THE PERTINENT AGENCY. CONTRACTOR IS RESPONSIBLE TO PREPARE AND SUBMIT ACES PLAN TO THE PROJECT DESIGN PROFESSIONAL, THE PROJECT INSPECTOR AND OBTAIN ALL PERMITS AND APPROVALS BY ANY CONCERNING GOVERNMENT AGENCIES PRIOR TO PERFORMING GRADING ACTIVITIES.
- PRIOR TO ANY CONSTRUCTION, INCLUDING SITE GRADING AND EXCAVATION, THE APPROVED GES PLAN SHALL BE POSTED ON SITE BY THE CONTRACTOR AND ALL REQUIRED BEST MANAGEMENT PRACTICES (BMPs) FOR EROSION AND SEDIMENT CONTROL MEASURES (SILT FENCES, ETC) MUST BE INSTALLED. THE GES PLAN SHALL REMAIN ON-SITE AND BE READILY ACCESSIBLE TO THE CITY STORM WATER INSPECTOR AT ALL TIMES.
- APPROVED GES PLAN FOR EROSION AND SEDIMENT CONTROL SHALL BE INSTALLED IN ACCORDANCE WITH REGULATIONS OF THE RELEVANT GOVERNING AGENCY. BMPs SHALL BE MAINTAINED AND KEPT IN GOOD REPAIR FOR THE DURATION OF THE PROJECT. AT A MINIMUM, THE CONTRACTOR SHALL INSPECT ALL BMPs WEEKLY AND AFTER SIGNIFICANT PRECIPITATION EVENTS. ALL NECESSARY MAINTENANCE AND REPAIR SHALL BE COMPLETED IN A TIMELY MANNER. ACCUMULATED SEDIMENT AND DEBRIS SHALL BE REMOVED FROM A BMP WHEN THE SEDIMENT LEVEL REACHES ONE HALF THE HEIGHT OF THE BMP OR, AT ANY TIME, THAT SEDIMENT OR DEBRIS ADVERSELY IMPACTS THE FUNCTION OF THE BMP. A BUILDUP OF EXCESSIVE SEDIMENT OCCURRING IN FLAT AREAS, BEHIND STRAW BALES, AND BEHIND SILT FENCES WILL BE REMOVED PROMPTLY. DISLOCATED STRAW BALES/AND COLLAPSED OR TORN SILT FENCES WILL BE IMMEDIATELY REPAIRED.
- DUE TO THE GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION AND SEDIMENT CONTROL MEASURES (SILT FENCES, ETC) TO PREVENT EROSION AND POLLUTANT DISCHARGE OFF-SITE.
- ALL APPLICABLE EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO COMMENCING DEMOLITION.
- ALL EROSION AND SEDIMENT CONTROL MEASURES MUST BE INSTALLED, FUNCTIONING AND FREE OF ACCUMULATED SEDIMENT AND DEBRIS DURING FINAL PROJECT INSPECTION AND APPROVAL.
- REFER TO EARTHWORK NOTES FOR MORE EROSION CONTROL INFORMATION.
- CONTRACTOR SHALL MANAGE CONSTRUCTION ACTIVITIES IN A WAY TO REDUCE WATERWIND CAUSED EROSION AND RETAIN SEDIMENT AND OTHER POLLUTANTS IN THE SOIL AT THE CONSTRUCTION SITE.
- CONTRACTOR SHALL MINIMIZE THE TIME BARE SOIL IS EXPOSED ON SITE.

**GEOTECHNICAL RECOMMENDATIONS:**

- EXISTING CONDITIONS INFORMATION PROVIDED BY SURVEY PERFORMED BY ANIEL GRILLAZZA #2195 ON FEB 8, 2023. (VERA, LLC JOB NO. 22049)
- THE SERVICES OF A P.R. LICENSED SOILS ENGINEER SHOULD BE RETAINED DURING THE EXCAVATION OF THE FOUNDATION MATERIAL. THE WORK TO BE OBSERVED AND COMPLIANCE WITH THE SPECIFICATIONS OR RECOMMENDATIONS AND TO ALLOW DESIGN CHANGES IN THE EVENT THAT SUB-SURFACE CONDITIONS DIFFER FROM THAT ANTICIPATED PRIOR TO STARTING THE CONSTRUCTION PROGRAM. THE SOILS ENGINEER SELECTED FOR THIS PURPOSE, SHOULD RECEIVE COPY OF ALL PLANS AND REPORT, EVALUATE THEM AND RECOMMEND VARIATIONS OR ADDITIONAL STUDIES, AS THE DEEMS NECESSARY FOR 114S ASSUMING TECHNICAL RESPONSIBILITIES OF THE SOLUTIONS HEREIN RECOMMENDED. COPIES OF THIS REPORT ARE FURNISHED ONLY TO PROVIDE THE FACTORY DATA WHICH WERE GATHERED AND WHICH WERE SUMMARIZED IN THE REPORT.

**OVER-EXCAVATION PROCEDURES:**

- ONCE THE SITE IS CLEANED, GRUBBED, AND DEMUCKED THE REPLACEMENTS ACTIVITIES SHALL COMMENCE.
- THIS EXCAVATION SHALL EXTEND DOWN TO 2 D FT BELOW THE FOUNDATION BOTTOM AND THE REPLACEMENT OF THE AREA WITH SELECTED ENGINEERED CONTROLLED GRANULAR FILL. HORIZONTAL EXTENSION OF THE OVER-EXCAVATION SHALL EXTEND TO 4.5 FT BEYOND THE STRUCTURES FOOTPRINT OR FINAL FOUNDATION DIAMETER OR WIDTH I LENGTH, WHICHEVER IS LARGER.

**PROOF-ROLLING:**

- APPLIES TO ALL BUILDING PAD AREAS.
- AT LEAST 2 HOURS OF COMPACTION WITH 114S EQUIPMENT AREA RECOMMENDED FOR EACH BUILDING I PAVING SEGMENT

**FILL/BORROW MATERIALS:**

- FOR REGULAR FILL DEPOSITS ACTIVITIES, WE RECOMMEND THE USE OF A MATERIAL WITH AN AASHTO A2-41 OR BETTER SOIL CLASSIFICATION.
- ALL MATERIALS MUST BE PROPERLY TESTED, CERTIFIED, AND APPROVED BY A GEOTECHNICAL ENGINEER PRIOR TO ITS USE.

**REINFORCEMENT GRID:**

- ONCE ALL EXCAVATION AND PROOF-ROLLING ACTIVITIES ARE COMPLETED, MULTIPLE LAYERS OF A SOIL REINFORCEMENT GRID SHALL BE INSTALLED.
- USE MODEL BX600 BX600 BAXIAL GEOGRID BY TENSAR EARTH TECHNOLOGIES, INC. OR APPROVED EQUAL.
- THE INSTALLATION OF THE REINFORCEMENT SHALL CONSIDER THE SAME DIMENSIONS OF THE REQUIRED EXCAVATION (PLUS PERIMETER FRINGE), FOLLOWING THE INSTALLATION PROCEDURES ESTABLISHED BY THE MANUFACTURER, EXCEPT AS NOTED.
- REINFORCEMENTS GRID LAYERS SHALL BE INSTALLED AT THE PLANE OF CONTACT BETWEEN THE NATIVE TERRAIN AND THE PROPOSED ENGINEERED BACKFILL (THREE (3) FEET BELOW EXISTING TERRAIN ELEVATIONS)

**FILL DEPOSIT CONSTRUCTION:**

- ONCE THE EARTHWORK AREA IS PROOF ROLLED, AND A FILL MATERIAL HAS BEEN APPROVED, THE PROJECTED FILL DEPOSIT ACTIVITIES MAY COMMENCE, AS REQUIRED, THE FINING PROCEDURES MUST BE PERFORMED IN A SEQUENTIAL ORDER. THE PLACING OF MATERIAL SHALL FOLLOW A POSITIVE SLOPE, WHERE LOWER GROUNDS MUST BE WORKED BEFORE HIGHER ONES. THE STRUCTURAL FILL SHALL BE CONSTRUCTED IN LAYERS NOT EXCEEDING A TEN (10) INCH THICKNESS (LOOSE MEASURE). EACH LAYER SHALL BE INDIVIDUALLY SPREAD, COMPACTED, TESTED, AND APPROVED BY A GEOTECHNICAL ENGINEER FOR THE TYPE OF MATERIALS ENCOUNTERED DURING THE FIELD EXPLORATION/VIBRATING COMPACTION EQUIPMENT MAY BE THE MOST ADEQUATE.
- THE PASSING CRITERIA FOR THE FIELD DENSITY TESTS SHALL BE ESTABLISHED AS A COMPARISON BETWEEN THE MAXIMUM DRY DENSITY OF THE FILL MATERIAL DETERMINED BY AASHTO T-99 (M=1400 D) AND THE COMPACTION EFFORT ACHIEVED IN THE FILL. AS A MINIMUM, THE FIELD EFFORT SHALL BE ENOUGH TO ACHIEVE 95% PERCENT OF THE MAXIMUM DRY DENSITY FOR EACH FILL MATERIAL.
- PLEASE NOTE THAT THE WATER CONTENT OF THE FILL DEPOSIT SHALL ALSO BE CONTROLLED. WE RECOMMEND THAT THE WATER CONTENT OF THE SUBJECT FILL DEPOSITS BE CLOSE TO ITS OPTIMUM WATER CONTENT VARYING FROM MINUS 2% TO PLUS 3% OF 114S PARAMETER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SUFFICIENT AND CAPABLE EQUIPMENT FOR ACHIEVING THESE COMPACTION ACTIVITIES IN A TIMELY AND EFFECTIVE MANNER.
- WHEN FILLING ON NATURAL SLOPES, THE CORRESPONDING BENCHING PROCEDURES SHALL BE OBSERVED IN ORDER TO STEP-IN THE FILL EMBANKMENT INTO THE NATURAL TERRAIN. AN APPLICABLE BENCHING CRITERION AS PER TERRAIN SLOPES IS INCLUDED IN THE APPENDIX OF THIS REPORT. THE FILL PROCEDURES SHALL BE PERFORMED AT THE EARLY STAGES OF CONSTRUCTION. THIS WILL ALLOW SOMETIME FOR THE STABILIZATION OF THE SUBSOIL AND THE MATERIALS THAT CONFORM THE EMBANKMENT.
- INTERMEDIATE AND FINAL GRADE ELEVATIONS AND SLOPES SHALL PROVIDE ALL EARTHWORKS OF CORRECT WAYS OF DRAINAGE. THE ACCUMULATION OF WATER OVER THE AREA DIMINISHES THE EFFECT OF THE SOIL COMPACTION EFFORT.
- ALL FILL SLOPES SHALL MAINTAIN A MAXIMUM 2:1 (HORIZONTAL) : 1 (VERTICAL) SLOPE AT ALL TIMES. PROVIDE PROPER DRAINAGE WAYS SHALL BE ESTABLISHED IN THESE SLOPES TO AVOID RUNOFF WATER ACROSS 114S FACES. THESE MEASURES SHALL INCLUDE GUTTERS, DRAINAGE PIPES, AND SPILLWAYS. ALSO, IT IS RECOMMENDED THE SEEDING OF GRASS, OR ANY OTHER DENSE VEGETATION TO ASSIST IN CONTROLLING EROSION ALONG THE SLOPE FACE. PLEASE CONSULT A LANDSCAPE PROFESSIONAL FOR FURTHER RECOMMENDATIONS.

**NON-BUILDING AREAS I PAVED AREAS:**

- SITE PREPARATION, TOP SOIL STRIPPING, DEMUCKING, OLD MANMADE FILL OR SOFT I LOOSE NATIVE SOIL REMOVAL PRIOR TO THE DEVELOPMENT OF ANY STRUCTURE OR FILL DEPOSIT, THE COMPLETE EARTHWORK AREAS MUST BE PROPERLY CLEANED AND GRUBBED. NO SURFACE VEGETATION, DEBRIS, OR ANY FOREIGN MATTER CAN REMAIN ON SITE AT 114S STAGE. AFTER THE CLEARING AND GRUBBING ACTIVITIES ARE FINISHED, WE RECOMMEND THAT SURVEYING MEASUREMENTS BE ESTABLISHED IN ORDER TO DETERMINE THE PLANIMETRY AND EXISTING GRADING CONDITIONS OF THE SITE PRIOR TO THE COMMENCEMENT OF ANY EARTH MOVEMENT TASK. THESE MEASUREMENTS WILL ASSIST IN THE DETERMINATION OF TOP SOIL STRIPPING, CUT, AND FILL VOLUMES WITHIN BUILDING AND PAVING AREAS.
- THE STRIPPING ACTIVITIES SHALL CONSIDER THE COMPLETE REMOVAL OF ALL EXPOSED MATERIAL CONTAINING ORGANIC MATTER, ALL MUCK, ALL OLD MANMADE FILL DEPOSITS AND PART OF THE SOFT I LOOSE NATIVE MATERIAL. FOR SO PURPOSES, ESTIMATE A TOP SOIL THICKNESS OF TWELVE (12) INCHES BELOW EXISTING TERRAIN ELEVATIONS.
- THE EXTENSION OF THE REMOVAL TASKS WILL BE MAINLY DETERMINED BY FIELD SUPERVISION (GEOTECHNICAL ENGINEER/AND/OR HIS REPRESENTATIVE), IN COORDINATION WITH CONTRACTORS AND OWNERS. SINCE ACTUAL VOLUMES OF REMOVAL WILL BE DETERMINED IN THE FIELD, UNIT COSTS SHALL BE ATTACHED FOR 114S ACTIVITIES.

**PAVEMENT DESIGN PARAMETERS:**

- A TYPE OF FLEXIBLE PAVEMENT CAN BE USED FOR ACCESS ROADS, STREETS, AND PARKING AREAS, FOLLOWING THE TYPICAL SPECIFICATIONS OF THE PUERTO RICO HIGHWAY AND TRANSPORTATION AUTHORITY. CONSERVATIVE ESTIMATED VALUES OF FIVE (5) FOR THE CSR CAN BE USED IN THE PRELIMINARY DESIGN. HOWEVER, THESE ASSUMED VALUES MUST BE REVISED BY MEANS OF EITHER A FIELD OR LABORATORY CALIFORNIA BEARING RATIO TEST.
- THE ABOVE RECOMMENDATIONS ASSUME THAT AT LEAST TWO (2) FEET OF ENGINEERED FILL WILL BE DEPOSITED BELOW THE PROPOSED PAVEMENT SECTION AT AU, PARKING AND ACCESS AREAS.

**UNDERGROUND UTILITIES AND EXCAVATIONS:**

- TRENCHES FOR UNDERGROUND UTILITIES AND EXCAVATIONS CAN BE CONSTRUCTED USING HEAVY EARTH MOVEMENT EXCAVATING EQUIPMENT IN ALMOST VERTICAL CUTS WITH ENOUGH SHORT TERM STABILITY (UNDERDURY CONDITIONS) TO ALLOW FOR THE INSTALLATION OF PIPES.
- IT IS VERY IMPORTANT TO MAINTAIN A SAFE WORKING ENVIRONMENT THROUGHOUT THE CONSTRUCTION PROCESS. SPECIAL CONSIDERATIONS AND GOOD JUDGMENT MUST BE PRACTICED ON THOSE EXCAVATIONS EXCEEDING A FOUR (4) FEET (1.22 M) DEPTH. IN ANY CASE, WHEN PEOPLE ARE WORKING IN TRENCHES OVER THIS DEPTH, SHEETING PROTECTION SHALL BE SUPPLIED.
- BACKFILLING OF TRENCHES SHALL BE PERFORMED BY LAYERS OF SIX (6) (0.15 M) IN THICKNESS, WITH THE APPROPRIATE CONTROL PARAMETERS. 114S MATERIAL MUST BE COMPACTED TO NOT LESS THAN NINETY PERCENT (90%) OF THE BACKFILL MATERIAL MAXIMUM DRY DENSITY, OBTAINED FROM A SOIL COMPACTION TEST, TO BE MADE IN CONFORMITY WITH THE AASHTO T-99 (M=1400 D) STANDARD PROCEDURES.

**STORM AND WASTEWATER SEWER SYSTEMS:**

- STORM AND WASTEWATER SEWER SYSTEMS MUST BE BUILT USING HIGH QUALITY MATERIALS AND CONSTRUCTION PROCEDURES. THEY MUST ADEQUATELY ADJUST TO SMALL SOIL DEFORMATIONS WITHOUT CAUSING LEAKS OR THEIR CONNECTIONS. PRACTICAL, PERIODIC CHECKS MUST BE PROVIDED IN ORDER TO AVOID LEAKS AND WATER SEEPAGE. IF APPLICABLE THE CONTINUOUS DEWATERING OF THE EXCAVATION IS ESSENTIAL. DRAINAGE TRENCHES OR PIPES SHALL BE PROVIDED AS NECESSARY TO QUICKLY DRAIN STORM WATER FROM THE EXCAVATION.

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**6**

Prepared For:  
CAMPO DE SOCORRO DES-00516  
MUNICIPALITY OF CAYO RUIDO  
COMPLEJO OPERATIVO REEFERVAH COLBERG  
CAYO RUIDO, P.R. 00623

REVISIONS  
1. 10% PROGRESS SET  
2. 30% ADVANCE SET  
3. 90% FINAL DESIGN SET  
4.  
SCALE AS SHOWN  
NOT FOR CONSTRUCTION

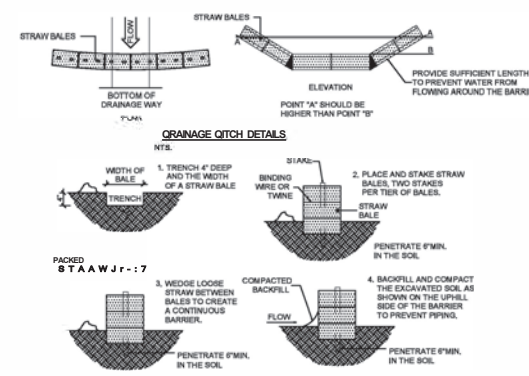
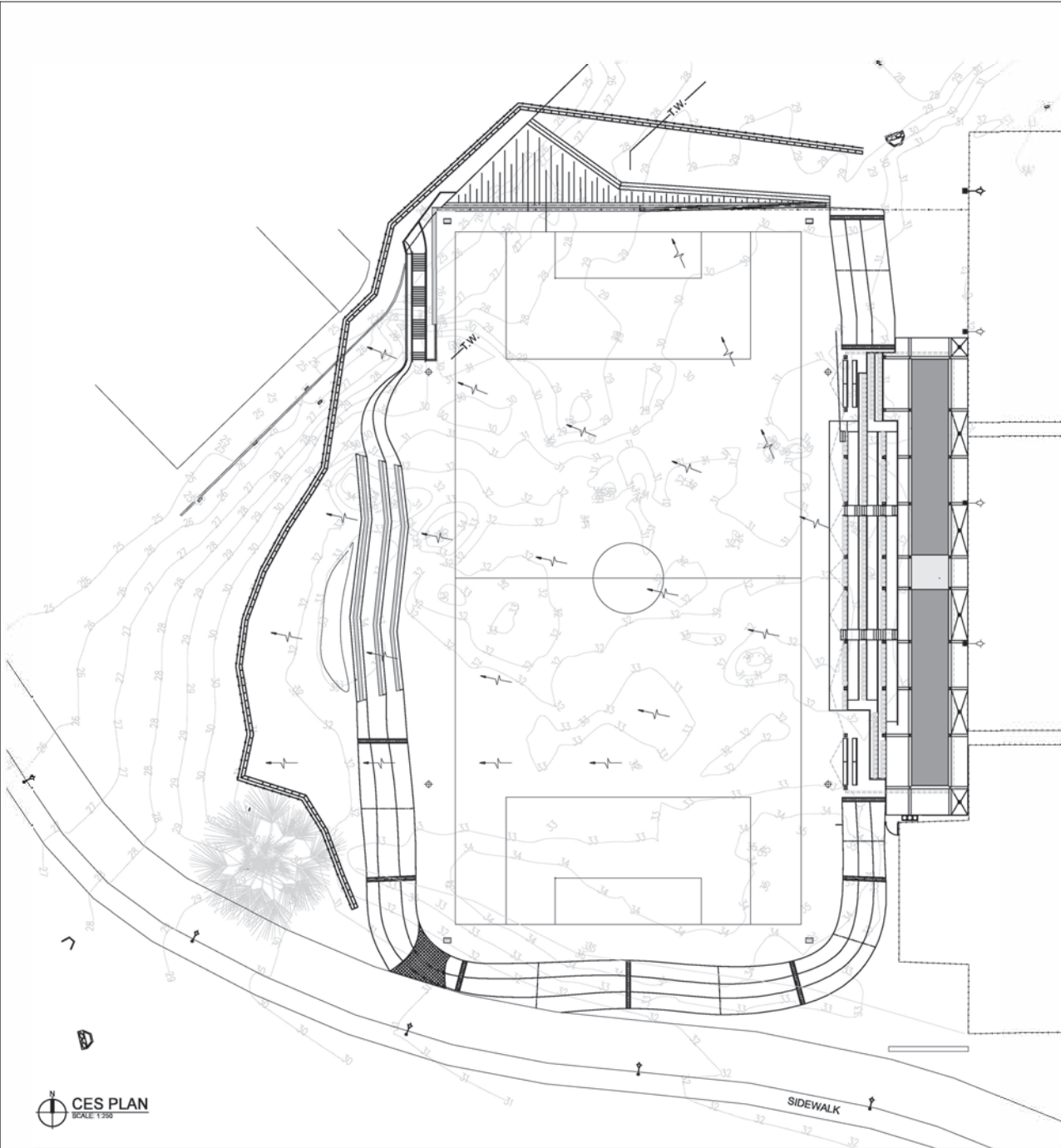
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**JUL 30 2023**  
DRAWBY:  
**HJMC**

**C-002**

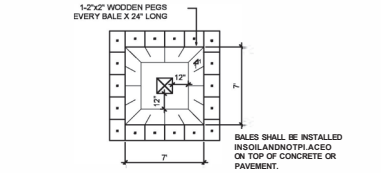
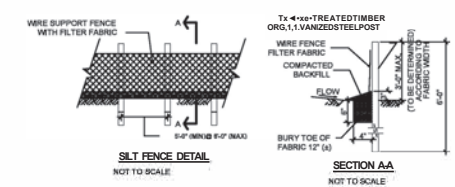
**GENERAL NOTES**







**STRAW BALE INSTALLATION DETAIL  
 EROSION AND SEDIMENT CONTROL DETAIL**  
 NOT TO SCALE



**P & S CONSULTANTS**  
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DATE: JUL 30 2023  
 DRAWN BY: LAFR  
 CHECKED BY: [Signature]  
 PROJECT NO: C-010

NOT FOR CONSTRUCTION

DATE  
 JUL 30 2023

DRAW BY:  
 LAFR

**C-010**

**COORDINATES TABLE**

POINT	(Y) NORTH	(X) EAST	ELEVATION	DESCRIPTION
5188	227573.2125	124453.2342	28.150	BLEACHERS
5187	227579.2854	124453.2342	28.150	BLEACHERS
5188	227524.0917	124453.2342	28.150	BLEACHERS
5184	227830.1646	124453.2342	28.150	BLEACHERS
5183	227618.1440	124638.0657	32.000	EXISTINGSMH
5181	227639.8448	124518.6109	28.000	SAN MANHOLE
51.0	227578.7278	124453.5408	28.000	STEEL COLUMN
5178	227542.9560	124452.9309	29.000	STAIRS
5. n	227644.3281	124452.9309	29.000	STAIRS
5178	227659.0678	124453.4391	28.000	STAIRS
5175	227690.4398	124453.4391	28.000	STAIRS
5174	227579.4349	124398.3426	28.000	CURB
5173	227623.7189	124461.8006	32.000	STEEL COLUMN
5172	227623.7189	124467.1350	32.000	STEEL COLUMN
5171	227579.6788	124467.1350	32.000	STEEL COLUMN
5169	227629.2984	124489.5290	32.000	GATE
5168	227631.1314	124489.5140	32.000	GATE
5167	227621.8587	124468.3607	32.000	FLOOR DRAIN
5168	227634.1908	124468.3607	32.000	FLOOR DRAIN
5165	227648.3331	124468.3248	32.000	FLOOR DRAIN
5184	227657.0847	124468.1246	32.000	FLOOR DRAIN
5183	227689.2300	124468.1244	32.000	FLOOR DRAIN
5182	227681.0388	124468.3819	32.000	FLOOR DRAIN
5181	227600.3884	124468.2888	32.000	BLEACHERS
50811	227680.3875	124468.3178	32.000	BLEACHERS
5169	227689.1553	124398.7723	28.000	CURB
5168	227497.6384	124401.8211	28.000	ENTRANCE
5157	227499.8742	124394.2690	28.000	ENTRANCE
5158	227677.7949	124398.2879	28.000	LIGHTING POLE
5155	227685.1429	124398.3426	0.00	CURB
5154	227694.7804	124398.9788	27.000	CURB
5153	227801.1745	124400.8090	27.000	CURB
5152	227801.1745	124402.9889	27.000	CURB
5161	227698.1422	124398.9328	27.000	STAIRS
5150	227698.1422	124397.1046	27.000	STAIRS
5148	227579.3880	124397.1046	28.000	STAIRS
5146	227579.3137	124398.8339	28.000	STAIRS
5147	227579.3137	124400.2928	28.000	STAIRS
5146	227683.9787	124400.2924	28.000	RETAINING WALL
5135	227624.7883	124458.7244	30.500	BLEACHERS
5134	227624.7883	124458.6408	30.500	BLEACHERS
5133	227633.7834	124458.6408	30.500	BLEACHERS
5132	227640.2600	124460.2469	32.000	SIDEWALK
5131	227650.3884	124458.9410	32.000	CHUTE
5128	227490.0741	124464.3283	32.718	SIGNAGE
5126	227491.2574	124355.5206	1.990	HEADWALL
5124	227807.2384	124460.3451	28.000	HEADWALL
5122	227624.1849	124398.2879	28.000	LIGHTING POLE
5121	227624.1849	124451.2587	28.000	LIGHTING POLE
5120	227677.7949	124451.2587	28.000	INLET
5119	227697.3599	124401.8a2	28.000	INLET
5118	227603.9096	124401.7187	28.000	INLET
5117	227603.9222	124448.8288	28.000	INLET
5116	227697.3708	124448.8294	28.000	INLET
5065	227611.888	124468.7976	32.000	BLEACHERS
5112	227485.0998	124426.2723	32.000	BLEACHERS
5110	227611.7922	124391.2831	32.000	BLEACHERS
5108	227621.0129	124390.5908	32.000	BLEACHERS
5108	227608.4587	124398.0018	30.000	BLEACHERS
5108	227604.7243	124451.9113	30.000	BLEACHERS
5103	227603.0387	124457.4308	32.000	BLEACHERS
5102	227486.5899	124447.8903	32.000	BLEACHERS
5101	227494.2488	124437.2968	32.000	BLEACHERS
5100	227486.0713	124413.2916	32.000	BLEACHERS
5089	227497.3804	124403.0309	32.000	BLEACHERS
5088	227602.8962	124392.6543	31.000	BLEACHERS
5085	227629.8108	124390.8062	32.000	BLEACHERS
5084	227636.1084	124390.8258	31.000	BLEACHERS
5083	227648.8594	124353.8966	31.000	BLEACHERS
5082	227688.8338	124391.4875	31.000	BLEACHERS
5081	227688.8505	124390.7932	31.000	BLEACHERS
5082	227636.8138	124393.3544	30.000	BLEACHERS
5081	227644.9684	124362.5583	30.000	BLEACHERS
5080	227658.3025	124394.0442	30.000	BLEACHERS
5079	227686.1915	124393.2637	30.000	BLEACHERS
5057	227622.1792	124458.7241	32.000	BLEACHERS
5072	227601.9010	124402.1546	28.000	BLEACHERS
5070	227612.0090	124397.6371	28.000	BLEACHERS
5069	227621.0388	124397.3893	28.000	BLEACHERS
5068	227629.8108	127139.6388	28.000	BLEACHERS
5057	227638.4310	124396.5682	28.000	BLEACHERS
5068	227644.0315	124394.888	28.000	BLEACHERS
5065	227657.6735	124396.2112	28.000	BLEACHERS
5063	227665.6231	124396.3017	28.000	BLEACHERS
5061	227699.4563	124451.4824	28.000	BLEACHERS
50611	227681.0322	124453.0351	28.000	CHUTE
5069	227671.3914	124451.4445	28.000	BLEACHERS

**COORDINATES TABLE**

POINT	(Y) NORTH	(X) EAST	ELEVATION	DESCRIPTION
****	227633.7834	124451.4445	28.000	BLEACHERS
6067	227522.1792	124453.0769	28.000	BLEACHERS
****	227618.7687	124453.2078	28.000	BLEACHERS
5065	227611.8964	124453.1867	29.000	BLEACHERS
5063	227501.2234	124404.0426	28.000	BLEACHERS
5062	227501.0035	124413.8008	28.000	BLEACHERS
5051	227501.3042	124426.2723	28.000	BLEACHERS
5050	227500.5220	124436.8888	29.000	BLEACHERS
5049	227501.1762	124448.5147	28.000	BLEACHERS
5047	227505.9899	124426.2723	28.110	PLAYING FIELD
5048	227595.9899	124426.2723	28.110	PLAYING FIELD
5045	227690.0106	124426.2723	28.110	PLAYING FIELD
5044	227611.9682	124426.2723	28.110	PLAYING FIELD
5043	227622.4889	124426.2723	28.110	PLAYING FIELD
5042	227679.4889	124426.2723	28.110	PLAYING FIELD
5041	227650.8651	124426.2723	28.110	PLAYING FIELD
5040	227694.8761	124453.0253	28.000	PLAYING FIELD
5039	227690.9880	124492.2688	29.000	PLAYING FIELD
5038	227697.1010	124451.4824	28.000	PLAYING FIELD
5037	227697.8532	124451.4819	28.000	CHUTE
5036	227698.8583	124400.2723	28.003	PLAYING FIELD
5035	227650.9888	124447.7723	29.000	PLAYING FIELD
5034	227650.9888	124402.7723	28.000	PLAYING FIELD
5033	227605.9888	124447.7723	28.000	PLAYING FIELD
5032	227605.9888	124402.7723	28.000	PLAYING FIELD
5031	227695.9888	124402.7723	28.000	PLAYING FIELD
5030	227695.9888	124447.7723	28.000	PLAYING FIELD
5016	227649.5448	124482.0784	32.006	CORRIDOR
5007	227653.9534	124486.9484	29.994	CORRIDOR
5008	227653.9534	124482.0784	29.994	CORRIDOR
5009	227653.9534	124492.0784	32.150	BUILDING#1
5005	227653.9534	124486.9484	32.150	BUILDING#1
5006	227679.4983	124482.0784	32.150	BUILDING2
5007	227679.4983	124811.9484	32.150	BUILDING2
5024	227616.7821	124468.8087	32.000	SIDEWALK
5023	227632.3365	124468.8006	32.000	SIDEWALK
5022	227697.8508	124458.5475	32.000	CHUTE
5021	227690.9880	124459.2612	32.000	SIDEWALK
5020	227694.9021	124459.8450	32.000	SIDEWALK
5019	227620.1687	124469.4345	32.000	SIDEWALK
5018	227620.1683	124458.7498	32.000	SIDEWALK
5017	227632.3365	124480.2469	32.000	SIDEWALK
5016	227644.3281	124480.2469	32.000	SIDEWALK
5015	227659.0678	124480.2469	32.000	SIDEWALK
5014	227660.4398	124480.2469	32.000	SIDEWALK
5013	227671.3914	124480.2463	32.000	SIDEWALK
5012	227671.3914	124458.3178	32.000	SIDEWALK
5011	227682.2502	124459.9422	32.000	SIDEWALK
5010	227682.2426	124469.4345	32.000	SIDEWALK
5002	227649.5448	124482.0784	32.150	BUILDING2
5001	227649.5448	124811.9484	32.150	BUILDING2
5003	227623.9997	124482.0784	32.150	BUILDING2
5004	227623.9997	124486.9484	32.150	BUILDING2

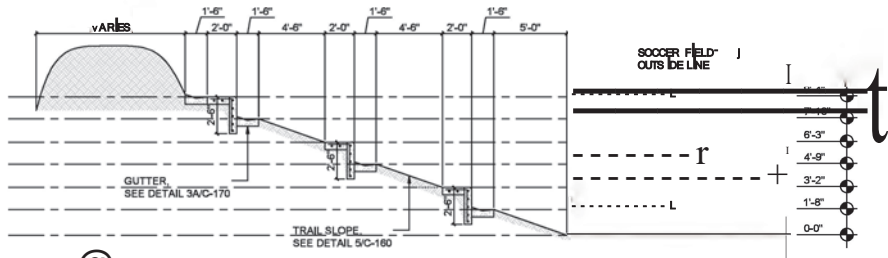
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DATE  
JUL 30 2023

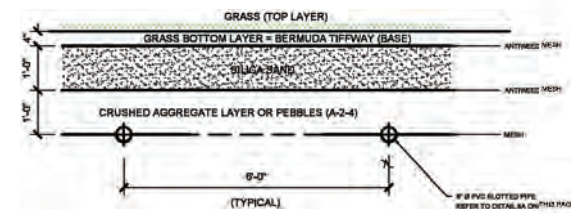
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S.PEREZ

**C-1 10**



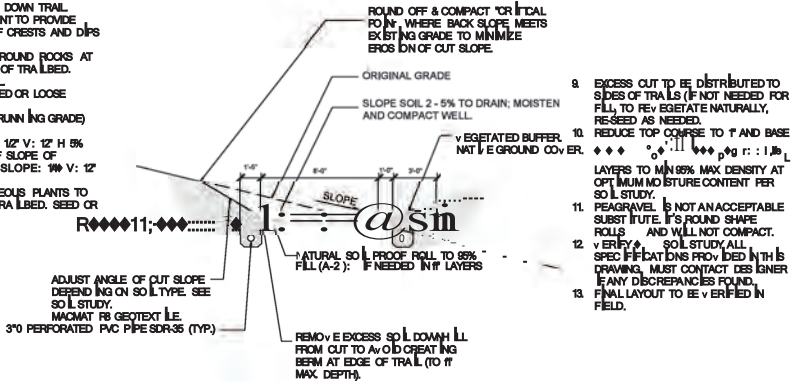


@N, H CUT WITH RISERS



@L% GROUND SECTION

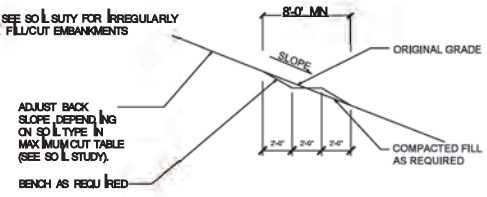
- NOTES**
1. USE FILL BENCH CUT WHERE EVER POSSIBLE.
  2. MAINTAIN OUTSLOPE 2% SO WATER RUNS ACROSS INSTEAD OF DOWN TRAIL.
  3. SELECT TRAIL ALIGNMENT TO PROVIDE ROLLING GRADE U OF CRESTS AND DIPS THAT
  4. RETAIN LARGE STABLE ROUND ROCKS AT MINIMIZED SURFACE OF TRAIL BED. WATER FLOWS ON TRAIL.
  5. REMOVE SHARP, POINTED OR LOOSE STONES.
  6. LONGitudinal SLOPE (RUNNING GRADE) SHOULD BE
  7. 2% MIN CROSS SLOPE: 12" V : 12" H 5% MAX LESS THAN HALF SLOPE OF HILLSIDE (12" CROSS SLOPE: 12" V : 12" H)
  8. NATIVE HERBACEOUS PLANTS TO REVEGETATE ALL BUT TRAIL BED. SEED OR MULCH AS NEEDED.



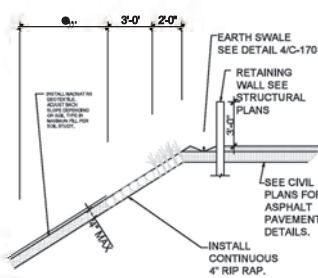
9. EXCESS CUT TO BE DISTRIBUTED TO SIDES OF TRAILS (IF NOT NEEDED FOR FILL, TO REVEGETATE NATURALLY, RESEED AS NEEDED).
10. REDUCE TOP COURSE TO 1" AND BASE LAYERS TO MIN 95% MAX DENSITY AT OPTIMUM MOISTURE CONTENT PER SOIL STUDY.
11. PEAGRAVEL IS NOT AN ACCEPTABLE SUBSTITUTE. IT'S ROUND SHAPE ROLLS AND WILL NOT COMPACT.
12. VERIFY SOIL STUDY ALL SPECIFICATIONS PROVIDED IN THIS DRAWING. MUST CONTACT DESIGNER IF ANY DISCREPANCIES FOUND.
13. FINAL LAYOUT TO BE VERIFIED IN FIELD.

@IMPROVEMENT TRAIL GRAVEL ROAD

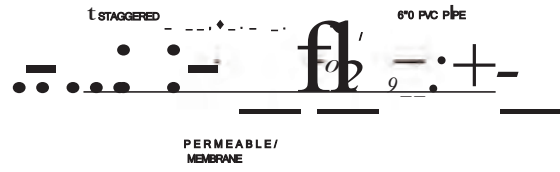
NOTE: SEE SOIL STUDY FOR IRREGULARLY SHAPE FILL/CUT EMBANKMENTS



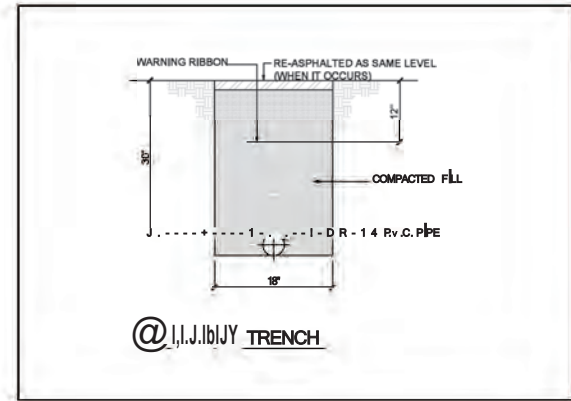
@BENCH PROTECTION



@RETAINING WALL PROTECTION



6" SLOTTED PIPE DETAIL SCALE: N.T.S.



@TRENCH

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CHAMP DE SOCCER PR-CRP-000518  
 MUNICIPALITY OF CABO ROJO  
 COMPLEJO DEPORTIVO REBEKAH COLBERG  
 CABO ROJO, P.R. 00623

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

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
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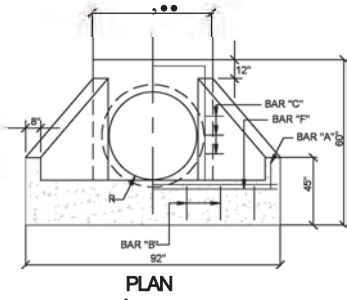
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 email=pedro@design.com Date: 2023.08.01 10:56:05 -0400

DATE  
 JUL 30 2023

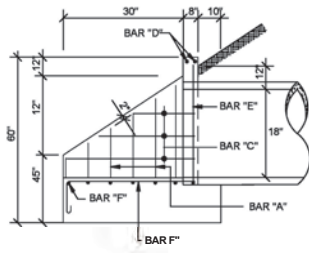
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 HJMC

C-160

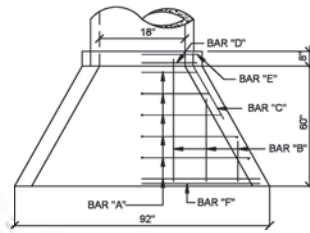




PLAN

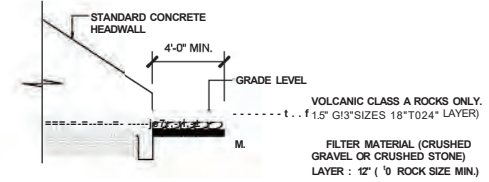


ELEVATION



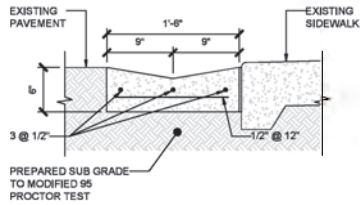
SECTION

HEADWALL DETAILS	
BAR A	#3 @ 12"
BAR B	#3 @ 12"
BAR C	#3 @ 12"
BAR D	#3 @ 12"
BAR E	#3 @ 12"
BAR F	#3 @ 12"

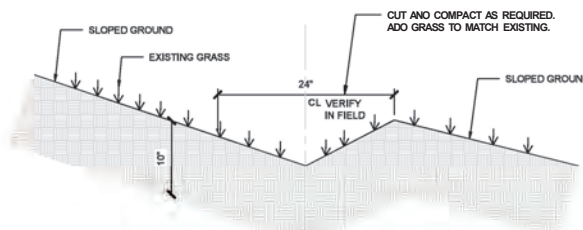


2 LOOSE RIP RAP DETAIL  
C-170 SCALE: N.T.S.

(f) F, P, WALL DETAIL SPECIFICATIONS

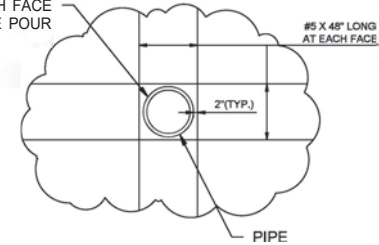


3A GUTTER DETAIL  
C-170 SCALE: N.T.S.

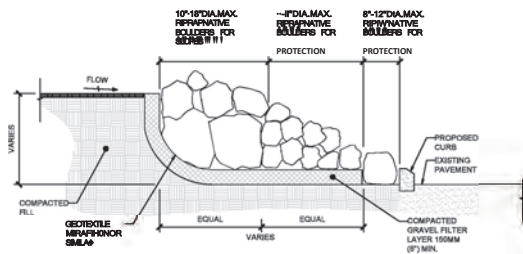


SWALE DETAIL

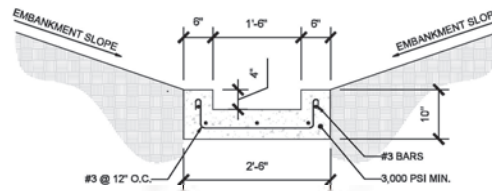
INSTALL SIKA SWELL S-2 AROUND PIPE AT EACH FACE BEFORE CONCRETE POUR



WALL PIPE PENETRATION DETAIL



k, p DETAIL



NOTES:  
1. PROVIDE 2 #4 BARS BOTH WAYS EXTENDING 2'-0" MIN. BEYOND THE EDGES.  
2. ALL REINFORCEMENT SHALL BE NEW BILLET STEEL DEFORMED BARS GRADE 60.  
CONCRETE STRENGTH: 3,000 PSI AT 28 DAYS

f: 1, 1 E DETAIL

**C & S CONSULTANTS**  
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COMPLEJO DEPORTIVO REBEKAH COLBERG  
CABO ROJO, P.R. 00623

3 red  
0...1.L

NOT FOR CONSTRUCTION

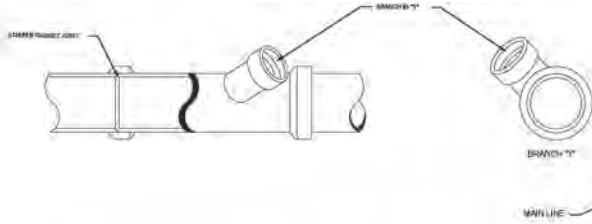
J

Digitally signed by Pedro Lorenzo Lupo,  
DN: c=US, st=Puerto Rico, O=Colegio de Ingenieros y Agrimensores de Puerto Rico, title=14756 PE,  
c=Pedro Lorenzo Lopez,  
e=pl-lorenzo@bioeslgn.c.m,  
date=2023.09.08 10:45:44 -0500

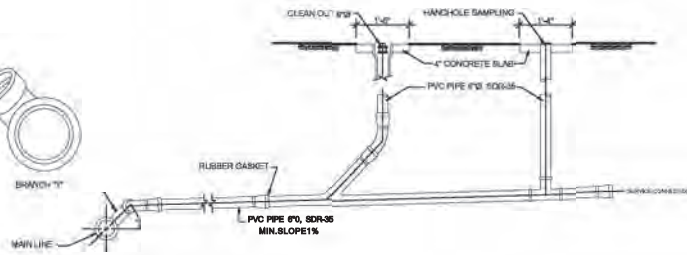
DATE  
JUL 30 2023

DRAW BY:  
HJMC

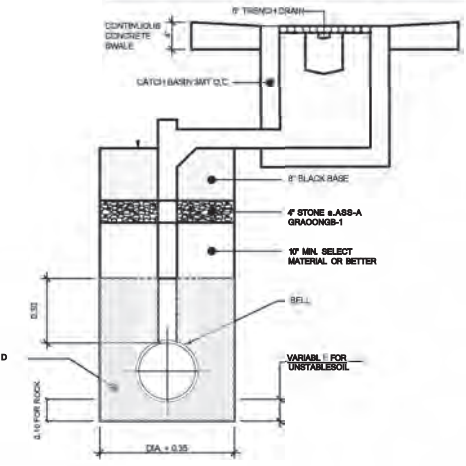
C-170



@ A9, ECTION DETAIL

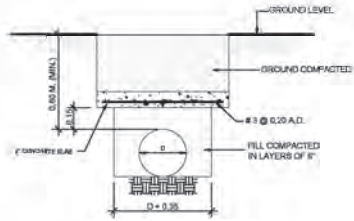


@ HANDHOLE DETAIL

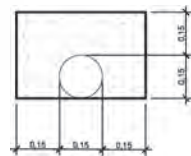


TYP. TRENCH

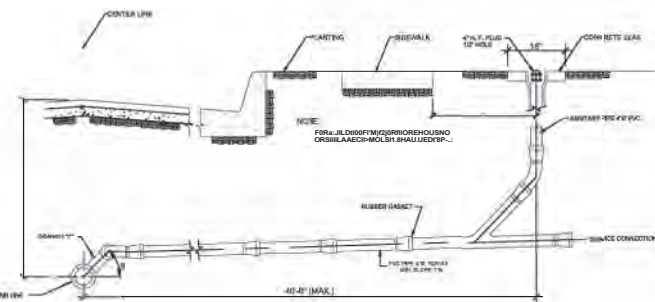
@ S, FILL



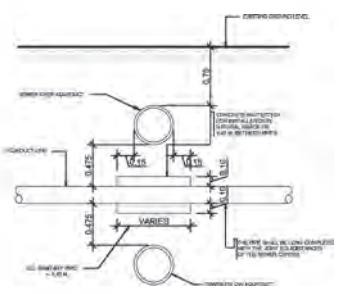
@ CONCRETE PROTECTION FOR SERVICE PROTECTION



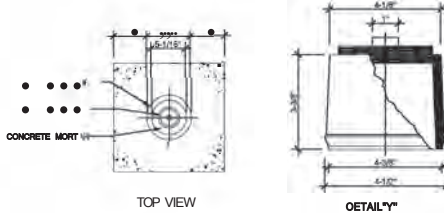
@ CONCRETE PROTECTION



@ SERVICE CONNECTION



@ CROSS INSTALLATION DETAIL



@ CLEAN OUT DETAIL

**P & S CONSULTANTS**  
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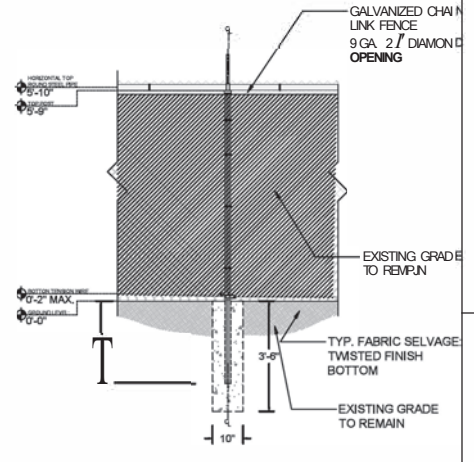
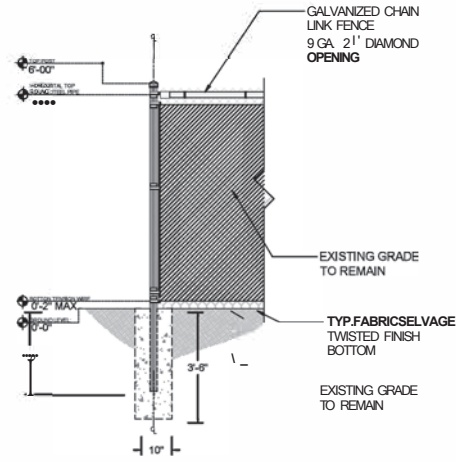
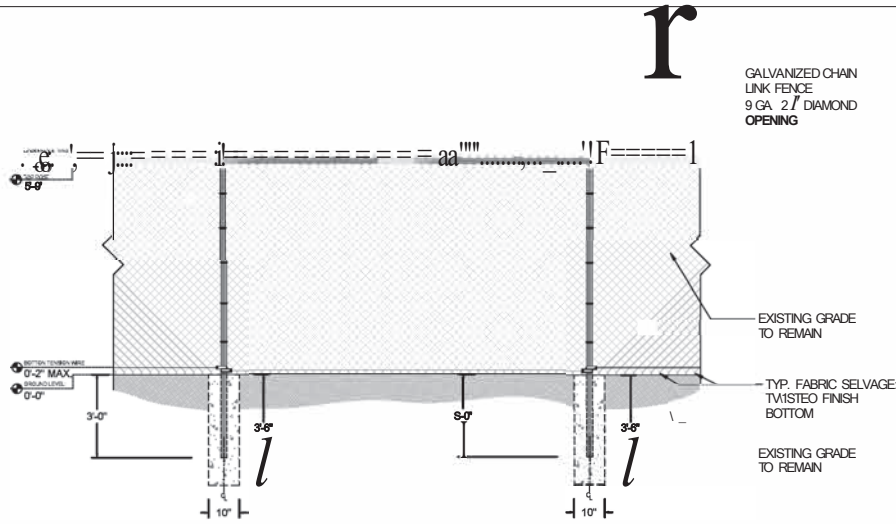
CHICAGO  
 CAMPO DE SOCCER PRE-CER-000518  
 MUNICIPALITY OF CHICAGO  
 COMPLETE DEPARTMENT REBEKAH COLBERG  
 CHICAGO, ILL. P.R. 00623

REVISIONS	SCALE: AS SHOWN
1. 30% PROGRESS SET	
2. 60% ADVANCE SET	
3. 90% FINAL DESIGN SET	
4.	

NOT FOR CONSTRUCTION

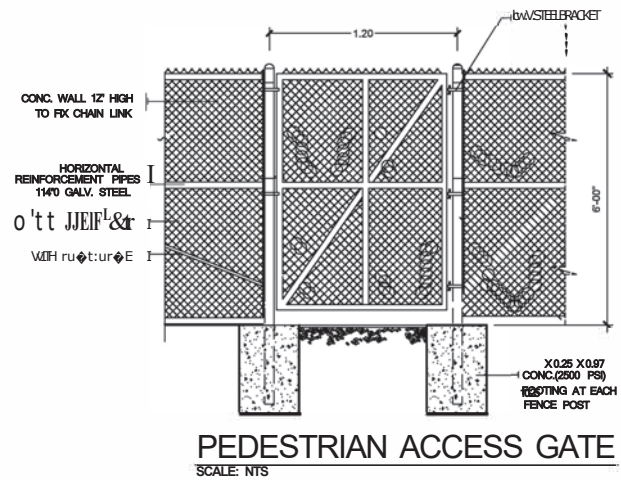
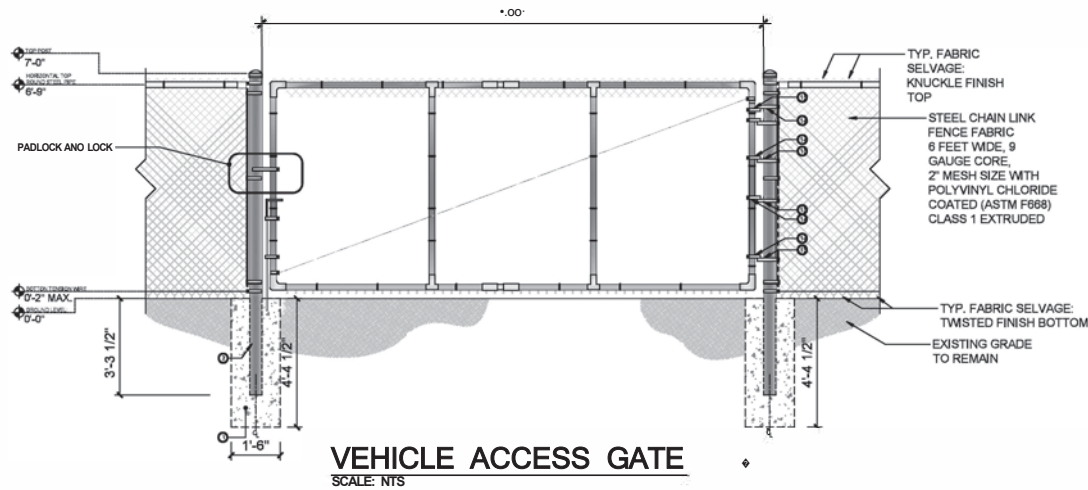
DATE  
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 DRAW BY:  
 HJMC

C-180



**TYPICAL CHAIN LINK FENCE DETAILS**

SCALE: NTS



**E. B. CONSULTANTS**  
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 SUITE 200  
 PHOENIX, AZ 85006  
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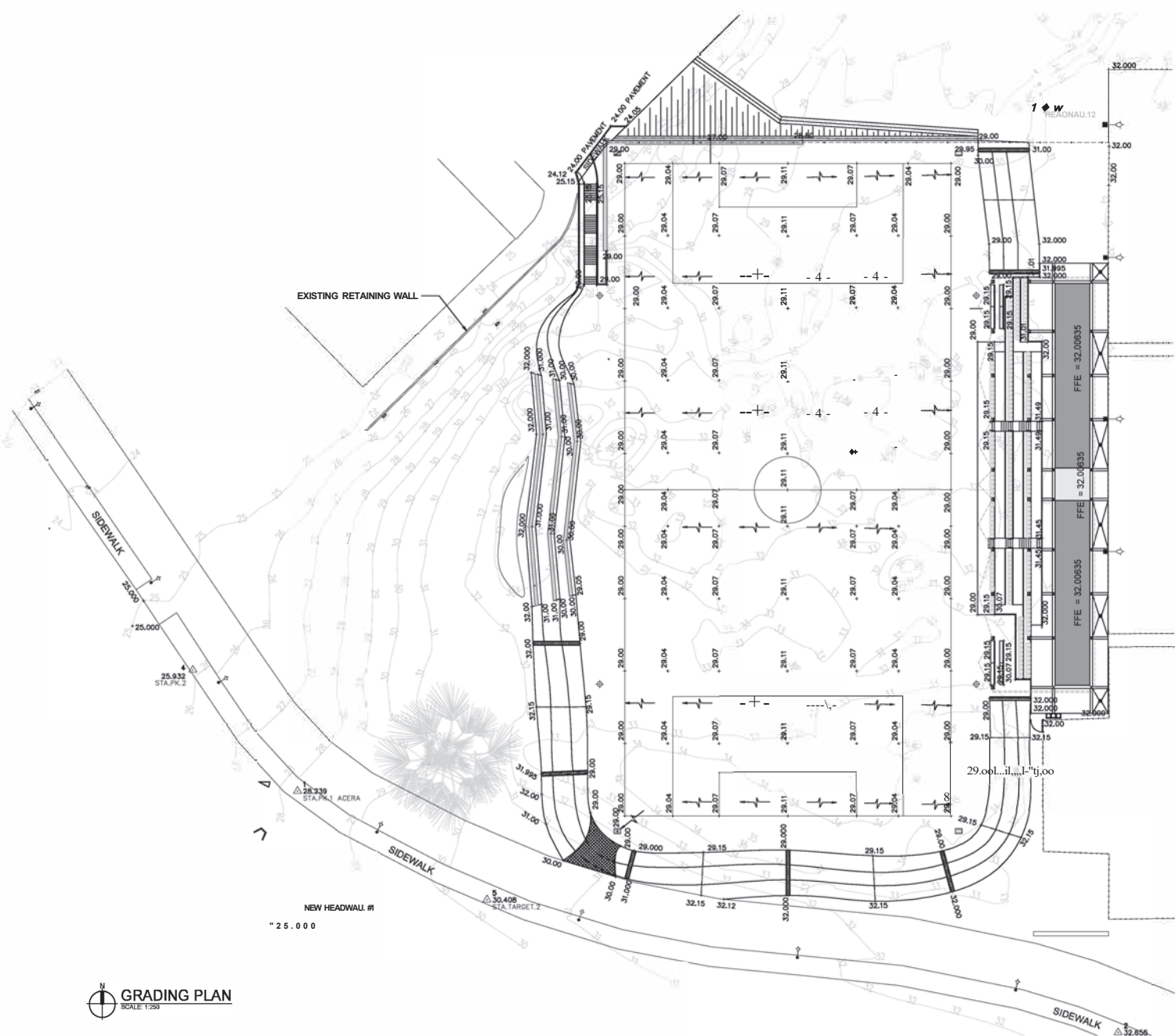
Prepared by: [Signature]  
 Checked by: [Signature]  
 Date: 11/20/13

REVISIONS  
 1. [Symbol] [Description]  
 2. [Symbol] [Description]  
 3. [Symbol] [Description]

DATE  
 JUL 30 2023  
 DRAW BY:  
 HJMC

C-190





**GRADING / GEOTECHNICAL NOTES:**

1. BESIDE THE REMOVAL OF OLD FILL, TOPSOIL AND WET UNSTABLE SOILS, NO OTHER REMOTION SEEMS NECESSARY. TABLE 11, PRESENT MINIMUM THICKNESS OF UNDERCUT AT EACH BOREHOLE LOCATION. ADDITIONAL UNDERCUT MIGHT BE REQUIRED AFTER PROOF ROLLING OPERATIONS, OR IN ORDER TO COMPLY WITH BENCHING GUIDELINES AND/OR MAXIMUM DIFFERENCES IN NEW FILLS THICKNESSES.

TABLE#1	
BORING#	MINIMUM DEPTH
1	4.5
2	3
3	3
4	3
5	3
7	2
●	2

2. THE EXPOSED SURFACES SHALL BE PROOF ROLLED WITH A 5 TONS SMOOTH WHEEL ROLLER. AREAS WITH QUESTIONABLE ZONES DURING PROOF ROLLING OPERATIONS WILL NEED TO BE REMOVED AND REPLACED WITH SELECT FILL A-2-4 OR BETTER (BASED ON THE AASHTO SOIL CLASSIFICATION SYSTEM).
3. WHERE NECESSARY, THE SELECT A-2-4, A-1-3, OR A-1-A FILL SHOULD BE PLACED IN SINGLE LAYERS NOT EXCEEDING 8 INCHES THICK. EVERY LAYER SHALL BE COMPACTED SO THAT THE DRY UNIT WEIGHT OF THE MATERIAL IS EQUAL TO OR GREATER THAN 95 PERCENT OF ITS MAXIMUM DRY UNIT WEIGHT AS OBTAINED IN THE LABORATORY UNDER A MODIFIED PROCTOR COMPACTION TEST. IT SHOULD BE THE RESPONSIBILITY OF THE PROJECT ENGINEER TO INSTRUCT THE SOILS ENGINEER RETAINED BY THE OWNER ON A CONSULTATIVE BASIS TO DETERMINE THE OPTIMUM MOISTURE AND CORRESPONDING DRY DENSITY OF THE FILL TO BE USED IN THIS PROJECT.
4. OVER THEA-2-4, A-1-3, OR A-1-A MATERIAL THE CONTRACTOR SHOULD EMPLOY A SMOOTH WHEEL ROLLER TO OBTAIN THE REQUIRED PERCENTAGE OF COMPACTION. HE SHALL NOT PLACE ANY ADDITIONAL FILL UNTIL THE PRECEDING COMPACTION LAYER HAS BEEN FOUND TO FULLFILL THE AFOREMENTIONED COMPACTION CRITERIA.
5. REGARDING THE COMPACTION OPERATIONS, EACH SUCCESSIVE PASS SHOULD OVERLAP THE PRECEDING ADJACENT PASS BY TEN (10) PERCENT. ROLLER PASSES MADE ON MATERIAL IN UNSUITABLE CONDITION WILL NOT BE CONSIDERED IN JUDGING COMPLIANCE WITH OUR RECOMMENDATIONS. IN CASE THE CONTRACTOR FAILS TO OBTAIN THE REQUIRED COMPACTION ENERGY, HE MUST GET THE APPROPRIATE TYPE OF EQUIPMENT TO COMPLY WITH THESE COMPACTION CRITERIA.
6. CUT SLOPES SHALL BE SHAPED WITH A 1.5:1 (HORIZONTAL-VERTICAL) GEOMETRY, AND NEW FILL SLOPES SHALL BE 2:1 (HORIZONTAL TO VERTICAL) OR FLATTER. THESE SHALL BE PROTECTED AGAINST EROSION IMMEDIATELY AFTER CONSTRUCTION.
7. IT IS FURTHER RECOMMENDED TO BACKFILL BEHIND THE WALL WITH THE BEST AVAILABLE WELL GRADED SAND AND GRAVEL MIXTURE (A-2-1 or A-2-4), WITH ITS MAXIMUM SIZE PASSING THE 1-1/2 INCH U.S. SIEVE.
8. THE FOOTPRINT AREA OF THIS BUILDING SHALL BE OVER-EXCAVATED 4.5 FEET AT THE AREA OF THE BORING 1 (ABOUT 50% OF THE FOOTPRINT) AND 6 FEET AT THE AREA OF BORING 2 (ABOUT 50% OF THE BUILDING). THE OVER-EXCAVATION TREATMENT AREA SHALL BE 3 FEET LONGER AND WIDER THAN THE BUILDING FOOTPRINT.

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CAMPO DE SOCCER BR-CER-00518  
 MUNICIPALITY OF CAHO ROLD  
 COMPLEJO DEPORTIVO REBEKAH COLBERG  
 CAHO ROLD, P.R. 00623

**REVISIONS**

1.	30% PROGRESS SET
2.	60% ADVANCE SET
3.	90% FINAL DESIGN SET
4.	

SCALE AS SHOWN

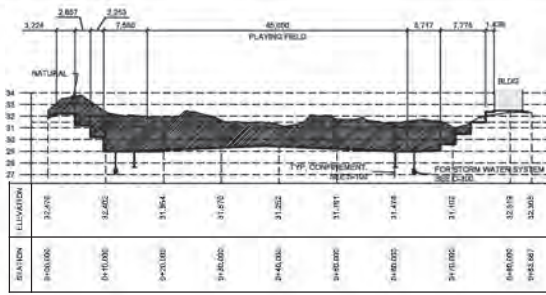
DATE  
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**HJMC**

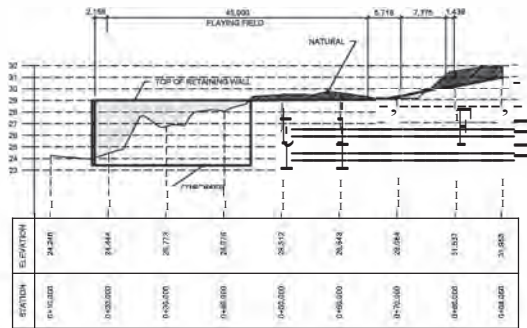
**C-200**

**GRADING PLAN**  
 SCALE: 1"=25'

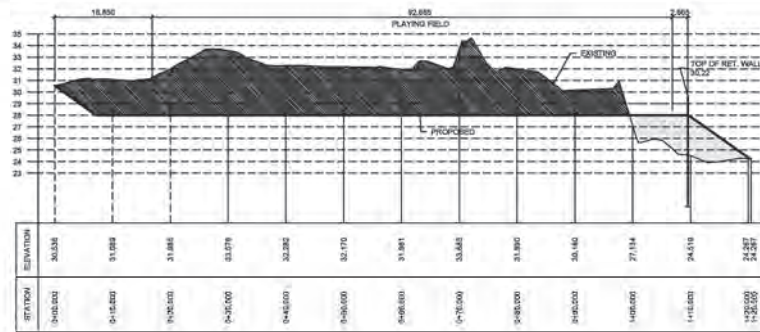




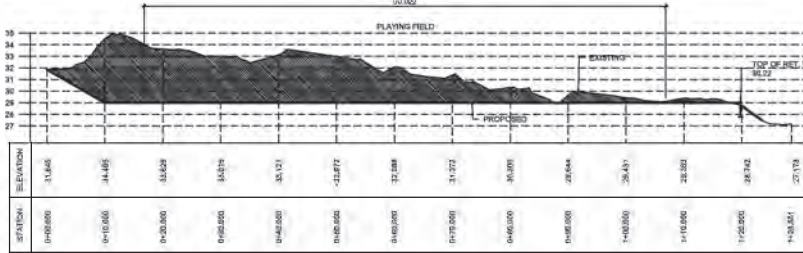
LONGITUDINAL PROFILE : A  
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 VERTICAL SCALE=1:200.00



LONGITUDINAL PROFILE: B  
 HORIZONTAL SCALE=1:400  
 VERTICAL SCALE=1:200.00



LONGITUDINAL PROFILE: D  
 HORIZONTAL SCALE=1:60.00  
 VERTICAL SCALE=1:200.00



LONGITUDINAL PROFILE: C  
 HORIZONTAL SCALE=1:400.00  
 VERTICAL SCALE=1:200.00

LEGEND:

CUT  
 L J F I U

RETAINING WALL NOTES:

1. THE FOOTPRINT AREA OF THIS BUILDING SHALL BE OVEREXCAVATED 46 FEET AT THE AREA OF THE BORING 1 (ABOUT 50% OF THE FOOTPRINT) AND 6 FEET AT THE AREA OF BORING 2 (ABOUT 50% OF THE BUILDING). THE OVEREXCAVATION TREATMENT AREA SHALL BE 3 FEET LONGER AND 1/2" WIDER THAN THE BUILDING FOOTPRINT. A PERIPHERAL KEY NOT LESS THAN 1" SHALL BE PROVIDED TO COMPACT THE SOIL MATERIAL UNDER THE MAT FOUNDATION. DIFFERENTIAL SETTLEMENTS BETWEEN THE CENTER OF THE MAT FOUNDATION AND THE PERIMETER SHALL BE 0.75 INCHES. A MODULUS OF SUBGRADE REACTION OF 115 KCF MAY BE USED IN ITS DESIGN OVER WELL-COMPACTED A-2.4 AU. BASED ON THE PROPOSED LENGTH OF THE BUILDING, CONSTRUCTION JOINTS SHOULD BE CONSIDERED TO CONTROL DIFFERENTIAL SETTLEMENTS.

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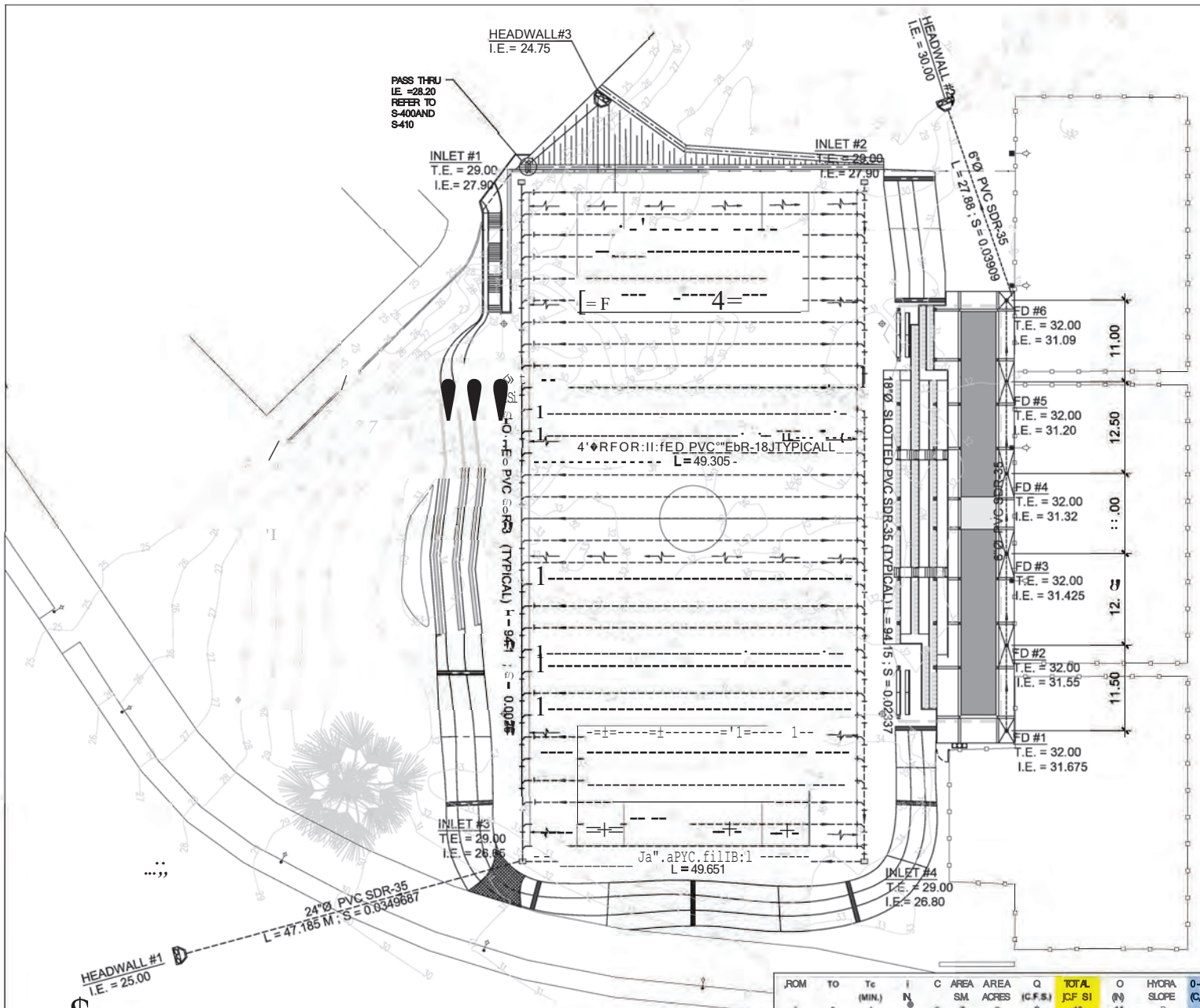
CAMPO DE SOCCER PR-CSP-000516  
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 COMPLEJO DEPORTIVO REBEKAH COLEBERG  
 CABO ROJO, P.R. 00923

Created  
 a.L.L.

NOT FOR CONSTRUCTION

DATE  
 JUL 30 2023  
 DRAW BY:  
 HJMC

C-210



**STORM WATER LEGEND:**

- FLOW DIRECTION
- EXISTING INLET
- JOINTS
- CAPS
- HEADWALL

**STORM WATER DESIGN CRITERIA:**

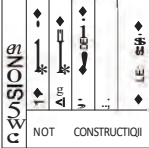
RETENTION TIME = 10 MINUTES  
 REGION IV - ANEJO NUM. 5 MAPA DE MUNICIPIOS Y BARRIOS DE PUERTO RICO  
 INTENISTY = 18.0 (ANEJO NUM. 5)  
 RECURRENCE = 100 YEARS  
 C = 0.75  
 APPROXIMATE CATCHMENTS AREA = REFER TO CATCHMENTS AREAS DIAGRAM.  
 Q = FLOW = 16.97 CUBIC FEET PER SECOND. ONLY LOCAL FLOW WAS CONSIDERED.  
 LENGTH = L METERS  
 VELOCITY = 2.35 CUBIC FEET PER SECOND  
 SLOPE = 0.001111 MIN.  
 MATERIAL = P.V.C. (n = 0.11)

**P & S CONSULTANTS**  
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Prepared For:  
 CAMPO DE SOCCER BR. CER-000518  
 MUNICIPALITY OF CAGO RUDO  
 COMPLEJO DEPORTIVO REBEKAH COLBERG  
 CAGO RUDO, P.R. 00623

**STORM WATER SYSTEM PLAN**



NOT CONSTRUCTION

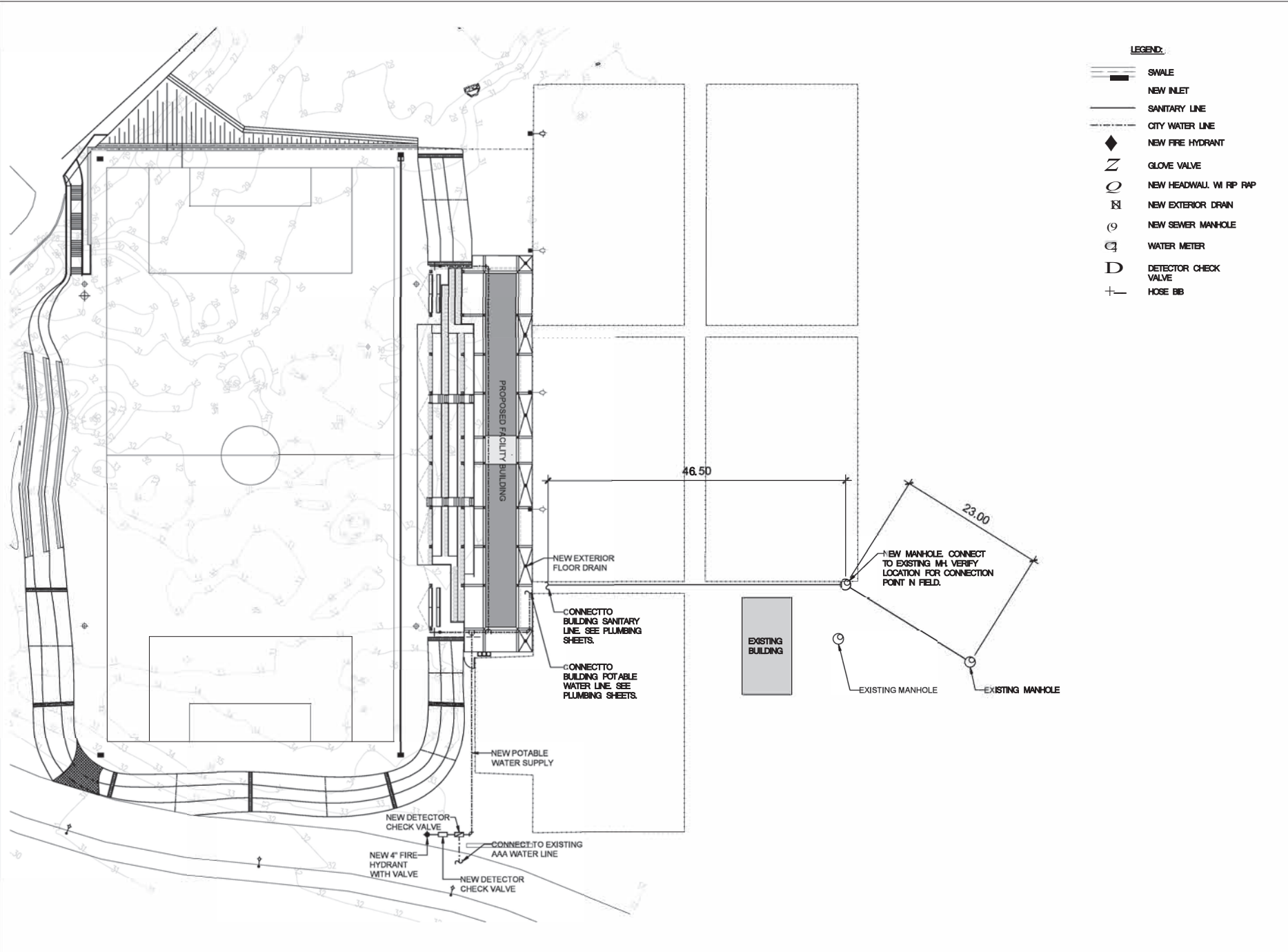
DATE  
**JUL 30 2023**

DRAW BY:  
**LAFR**

**C-300**

FROM	TO	Tc (MIN)	I (N)	C	AREA SM	AREA ACRES	Q (C.F.S.)	TOTAL ICF SI	O (N)	HYRA SLOPE	0-FULL (CPS)	v.r.uu (CFTS)	LENGTH (MTS)	SLOPE	IE HIGH	IE L(HI)	TE
1	2	4	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
IN2	IN4	0	18	0.85	3265	0.8115	12.42	12.42	18	0.01199	13.68	7.71	91.708	0.01111	2790	2665	2900
N 1	IN3	0	18	0.85	3558	0.8791	13.45	13.45	18	0.01363	14.58	8.22	91.708	0.019630	2790	2665	2900
IN4	INS	0	18	0.85	0	0.0000	0.00	12.42	18	0.01363	14.58	8.22	91.708	0.019630	2790	2665	2900
INJ	HM 1	0	135	0.85	0	0.0000	0.00	25.87	24	0.01363	31.40	9.96	91.708	0.019630	1190	2565	2900

**STORM WATER SYSTEM PLAN**



- LEGEND:**
- SWALE
  - NEW INLET
  - SANITARY LINE
  - CITY WATER LINE
  - NEW FIRE HYDRANT
  - GLOVE VALVE
  - NEW HEADWALL W/ RP RAP
  - NEW EXTERIOR DRAIN
  - NEW SEWER MANHOLE
  - WATER METER
  - DETECTOR CHECK VALVE
  - HOSE BIB

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 CHICAGO, ILL. 60606  
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DATE: 7/30/2023  
 DRAWN BY: LAFR  
 CHECKED BY: [Signature]  
 PROJECT: SANITARY & POTABLE

1	1	1	1
NOT	CONSTRUCTION		

DATE  
**JUL 30 2023**

DRAW BY:  
**LAFR**

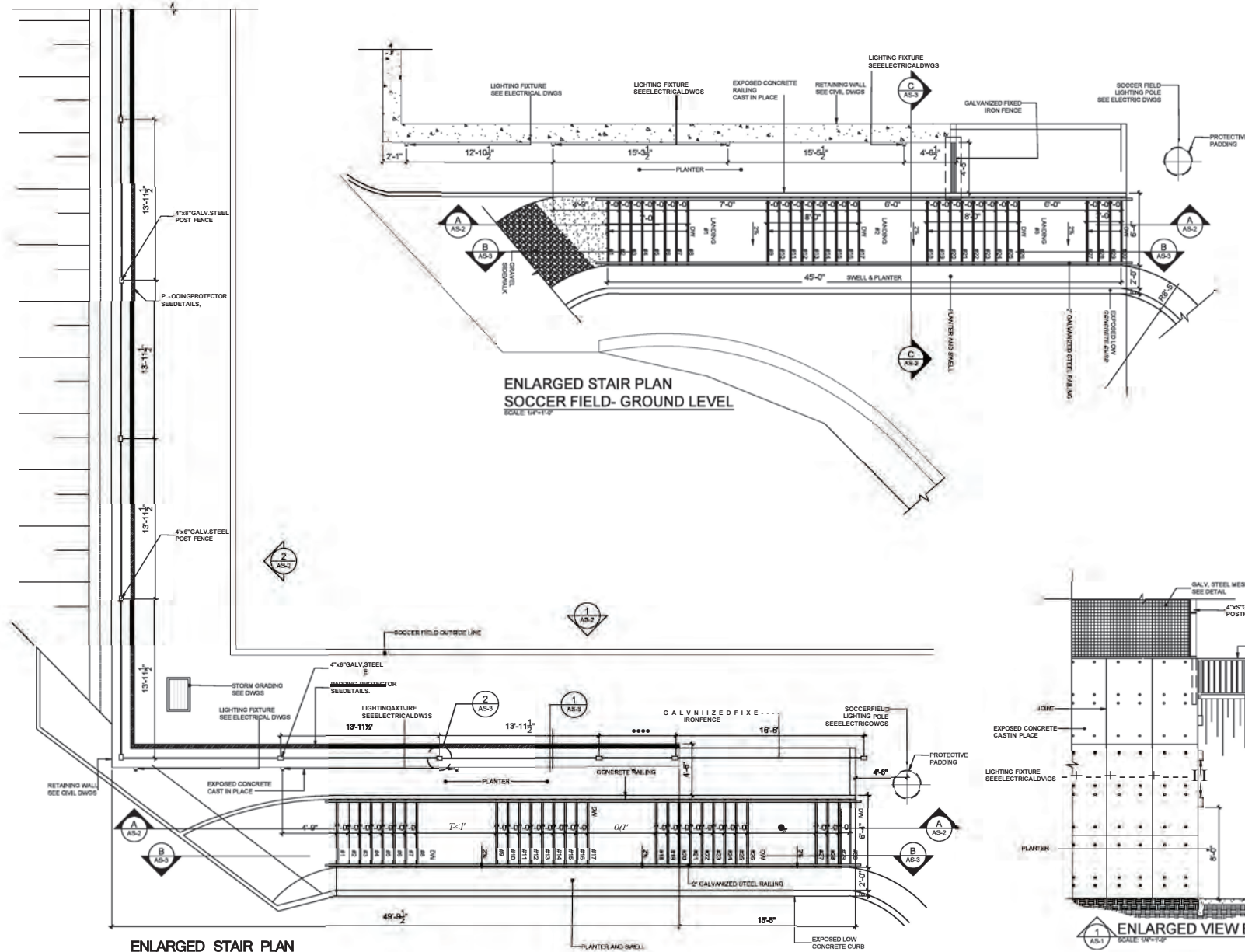
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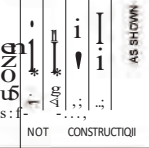
**P & S CONSULTANTS**  
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CAMPO DE SOCCER DR. CER-000518  
 MUNICIPALITY OF CAYO RUIDO  
 COMPLEJO DEPORTIVO REBEKAH COLBERG  
 CAYO RUIDO, P.R. 00623



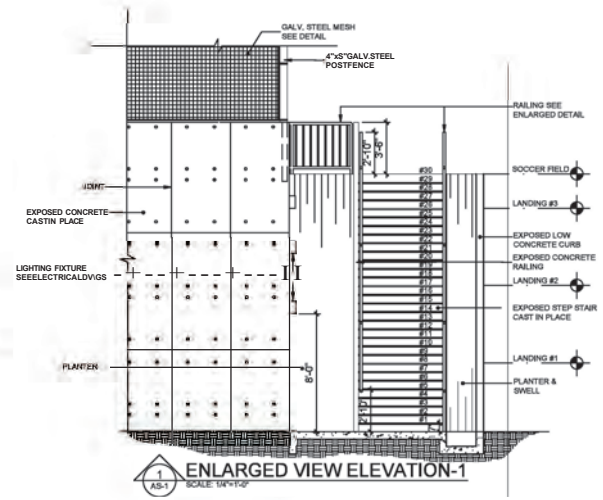
AS-1



**Samuel Perez Adorno**  
 Digitally signed by Samuel Perez Adorno  
 DN: cn=Samuel Perez Adorno, o=Colegio de Arquitectura de Puerto Rico, email=16625.cn=Samuel Perez Adorno, email=perez@psconsultants.com  
 Date: 2023.08.10 15:24:11 -0400

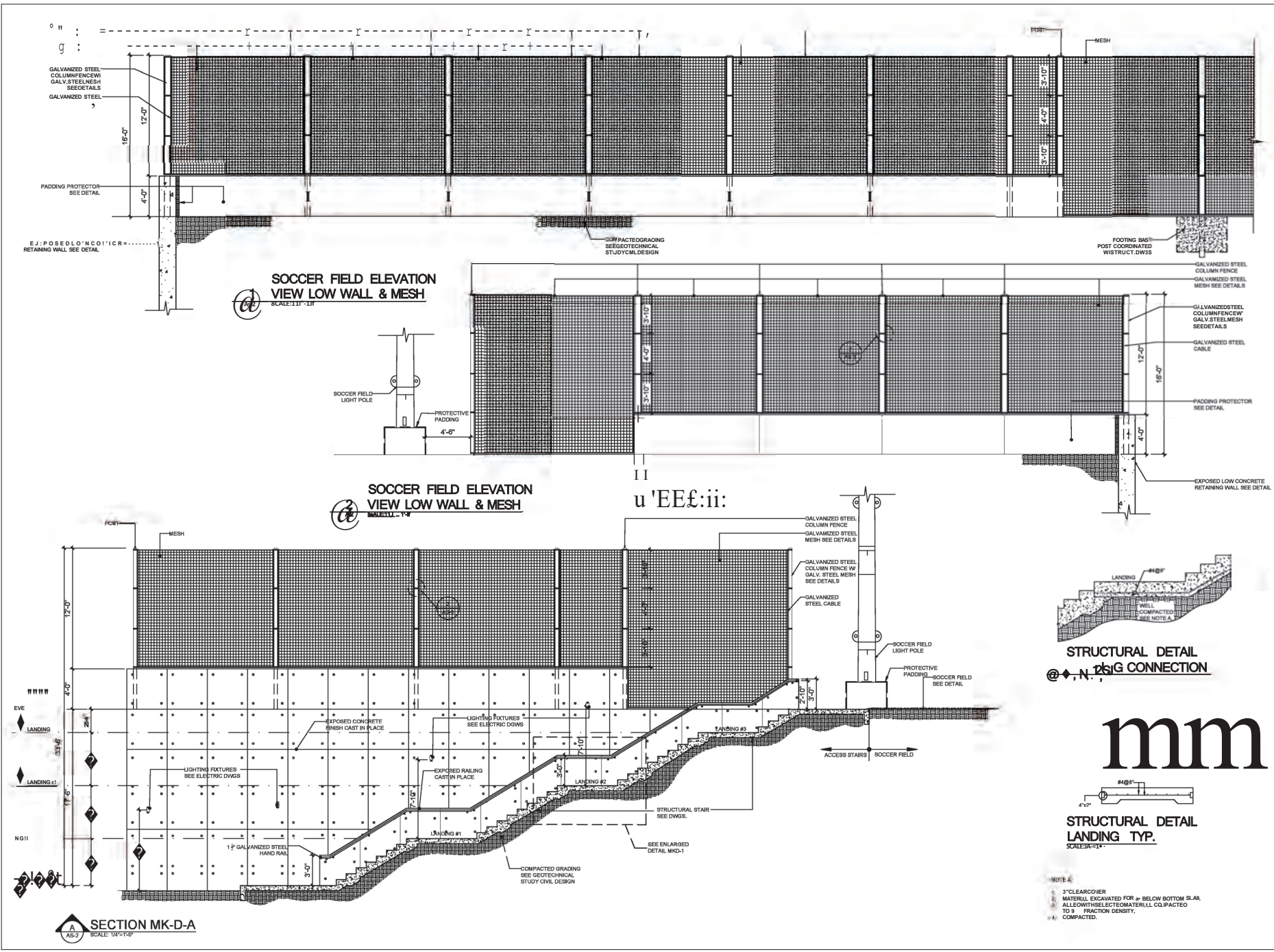
DATE  
**06/30/23**  
 DRAW BY:

**AS-1**



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





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MANAGEMENT  
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CONSTRUCTION  
WALL  
COLUMN  
CABLE  
MESH  
FENCE  
PROTECTOR  
PADDING  
SOCCER FIELD  
LIGHT POLE

NOT CONSTRUCTION  
CONSTRUCTION  
NOT CONSTRUCTION

Samuel Perez Adorno

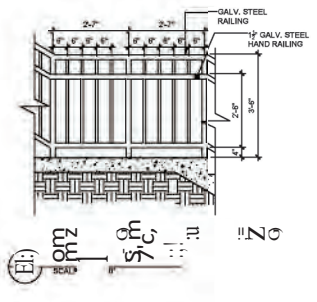
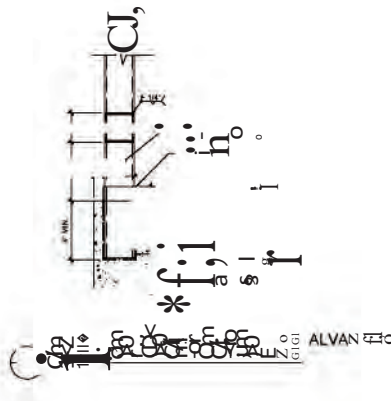
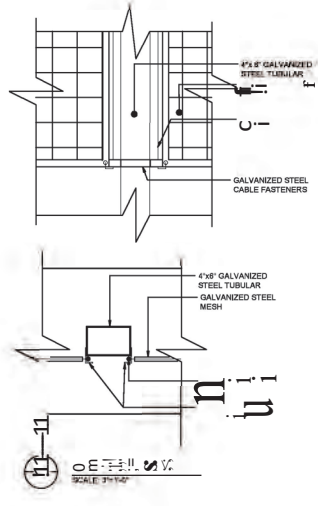
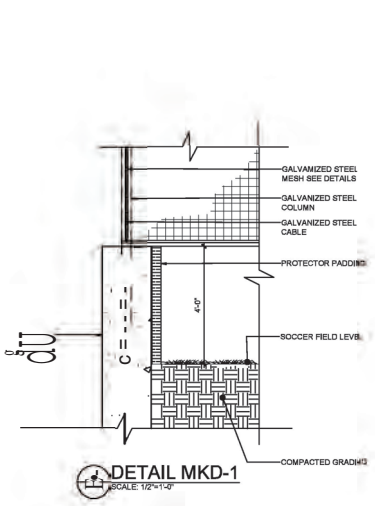
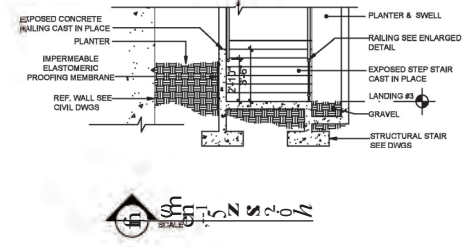
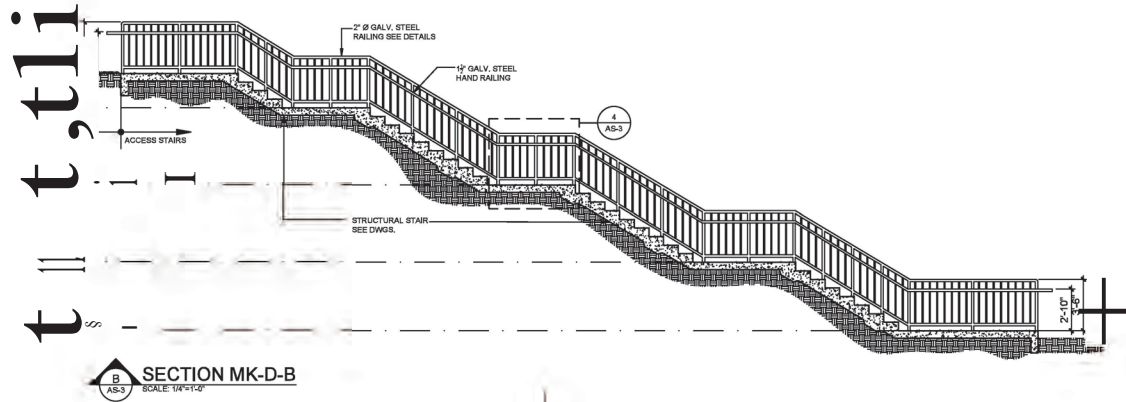
Digitally signed by Samuel Perez Adorno  
DN: cn=US, st=Puerto Rico, o=ColegiodoArquitectosyArquitectosPaisajistasdePuerto Rico, title=16925, cn=Samuel Perez Adorno,  
email=spe.ada@bloesign.com  
Date: 2023.08.10 15:24:42 -07'

**mm**

**STRUCTURAL DETAIL LANDING TYP.**  
SCALE: 1/4" = 1'-0"

- NOTE:
1. 3" CLEAR COVER
  2. MATERIAL EXCAVATED FOR ≥ BELOW BOTTOM SLAB
  3. ALLOW THIS SELECTED MATERIAL TO BE COMPACTED TO 95% FRACTION DENSITY.
  4. COMPACTED.

DATE: 06/30/23  
DRAW BY: AS-2



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prepared For:  
 CAMPO DE SOCCER DE C.R.P. 000518  
 MUNICIPALITY OF CAGO FLOO  
 COMPLEJO DEPORTIVO REBEKAH COLBERG  
 CAGO FLOO, P.R. 00823

REVISIONS

1	04/18/2018	PROGRESSED
2	05/01/2018	REVISED SET
3	05/01/2018	REVISED SET
4	05/01/2018	REVISED SET

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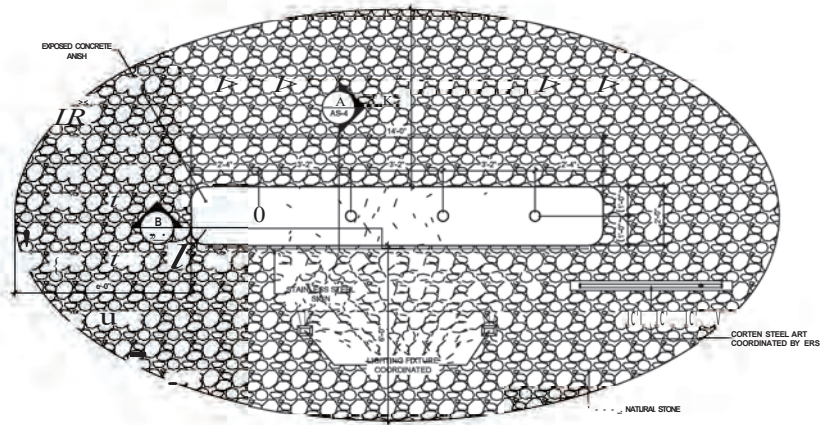
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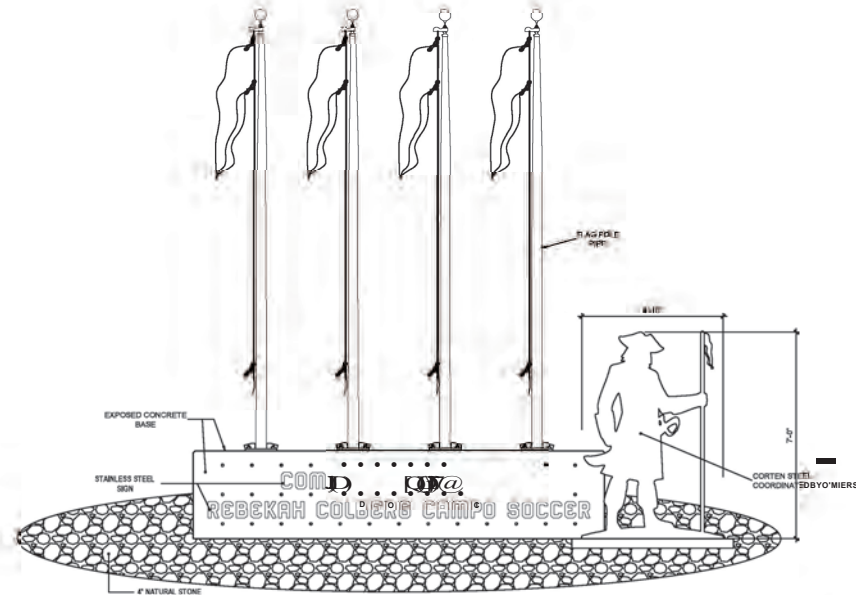
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ENLARGED EXTERIOR STAIR SECTION & DETAILS

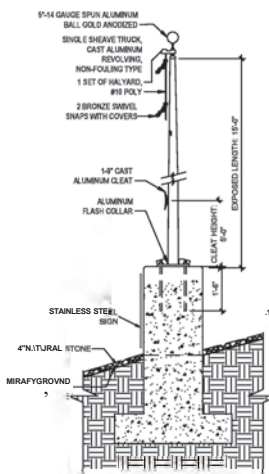




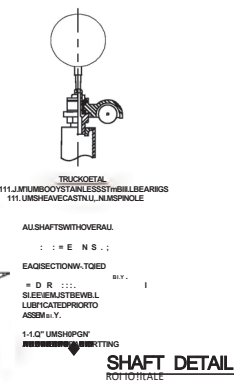
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BASE FLAG POLE - PLAN**  
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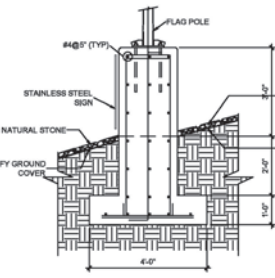
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SIGN ELEVATION**  
SCALE: 1/2"=1'-0"



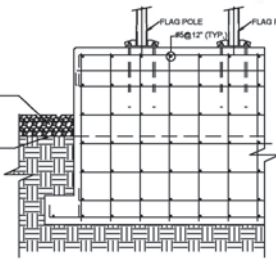
**ELEVATION NEW  
FLAG POLE**  
SCALE: 1/2"=1'-0"



**SHAFT DETAIL**  
SCALE: 1/2"=1'-0"



**SECTION MKD-A**  
SCALE: 1/2"=1'-0"



**SECTION MKD-B**  
SCALE: 1/2"=1'-0"

**P & S CONSULTANTS**  
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SAN JUAN, P.R. 00906  
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CAMPO DE SOCCER PR-CR-000518  
MUNICIPALITY OF CAJO RUCO  
COMPLEJO DEPORTIVO REBEKAH COLBERG  
CAJO RUCO, P.R. 00623

UNIVERSITY POLY

NOT CONSTRUCTION

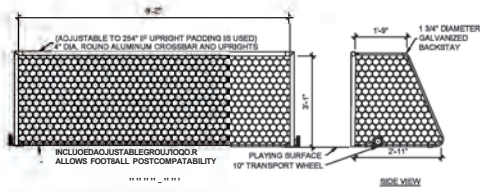
**Samuel  
Perez  
Adorno**

Digitaly signed by Samuel Perez Adorno  
DN: cn=US, st=Puerto Rico, o=Colegiado de Arquitectos y Arquitectos Paisajistas de Puerto Rico, title=-16925, cn=Samuel Perez Adorno,  
email=perezsa@bioesign.com  
Date: 2023.08.15 25:24:04'00'

DATE  
**06/30/23**

DRAW BY:  
**A. MELENDEZ**

**AS-4**

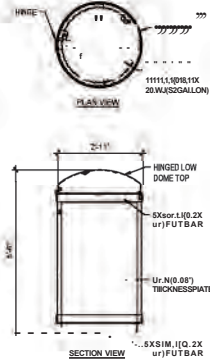


- MANUFACTURER NOTES**
1. LIFETIME LIMITED WARRANTY.
  2. NET AND TRANSPORT WHEELS INCLUDED.
  3. MEET NCAA, NFHS, AND FIFA SPECIFICATIONS.
  4. UPRIGHTS AND CROSSBAR POWDER COATED WHITE.

- ALL DIMENSIONS TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
1. DON'T SCALE DRAWING.
  2. ALL DIMENSIONS TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
  3. ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.
  4. CONTRACTOR'S NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT [www.CADetail.com](http://www.CADetail.com) AND ENTER REFERENCE NUMBER.

**SOCCER GOALS-ELEVATIONS**

10/11/13/20/22



- MANUFACTURER NOTES**
- REFER TO MANUFACTURER'S WEBSITE FOR COMPLETE LIST OF OPTIONS AND MATERIALS.

1. INSULATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. DON'T SCALE DRAWING.
3. THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONTRACTORS, CONSULTANTS AND DESIGN PROFESSIONALS FOR PLANNING PURPOSES ONLY. THIS DRAWING MAY NOT BE USED FOR CONSTRUCTION.
4. ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.
5. CONTRACTOR'S NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT [www.CADetail.com](http://www.CADetail.com) AND ENTER REFERENCE NUMBER.

**TRASH RECEPTICLES**

10/11/13/20/22

**P & S CONSULTANTS**  
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 1488 ROOSEVELT AVE. OFFICE 210-B  
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CAMPO DE SOCCER PR. CFB-000518  
 MUNICIPALITY OF CAYO RUIDO  
 COMPLEJO DEPORTIVO REBEKAH COLBERG  
 CAYO RUIDO, P.R. 00623



10/11/13/20/22




**Samuel Perez Adorno**  
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 DN: cn=Samuel Perez Adorno, o=Colegiado Arquitectos y Arquitectos Paisajistas de Puerto Rico, title=16925, cn=Samuel Perez Adorno, email=sperez@bloesign.com, Date: 2023.08.10 15:25:46 -0400

**DATE**  
 06/30/23

**DRAW BY:**  
 A. MELENDEZ

**AS-5**

SPECIFICATIONS CABO ROJO SOCCER FIELD  
 ITEM DESCRIPTION AREA SPECIFICATION FOR D11NG BRAND REPRESENTATIVE \*COMMENT

- 1 Selected Material Ground Field Class A-2-4 selected material/ Material Curve for Compton testing Canteras Certificadas
- 2 Drain Pipe Ground Field Drainage. Main Field Drain Pipe DR 18 or DR 22. Hole pattern for drainage. Mesh for covering the pipe. Lateral Curves and Wyes for drainage to main storm drain pipe. M J Fittings Newcom, US Pipe, Charfoyle pipes. Hayward Mccorrea & Castellanos, Water Works, Inc
- 3 Sand Ground Field A-2 Silica sand as 1" thick above drainage pipe Canteras Certificadas
- 4 Foliage Grass Top Main Field Soyza Manila Soyza Manila Landscape Contrantor/ Joaquín Martínez/187-794,2620 Subcontractor shall install the Grass and Top SI material. Contrator must no quote the installation of grass or top soil
- 5 Cement Concrete Structures 3,000 Psi Certified Portain cement companies Regins Colon, Cemex
- 6 WASTE RECEPTACLES BATHROOMS \*MODEL 0827/SURFACE MOUNTED/SS 304  CAPACITY OF 2 Gals/ 10-1/2"x 9"x 4-3/4" as bolts No.#8" ASI INTEGRATED SOLUTIONS \*ACHA TRADING (787) 275-6095-To be install by Contractor by contractor NOTE: OR SIMILAR.
- 7 \*RECESSED DUAL ROLL PAPER DISPENSERTOILE 1 F BATHROOMS 1 \*MODEL 9031/SS 304 /HOLD 1W0(2) ROLLS 8"X 14"X 6-1/4"DIMEN SSIONS F ASI INTEGRATED SOLUTIONS 1 \*ACHA TRADING (787) 275-6095-To be install by Contractor by contractor
- 8 ADA GRAB BARS BATHROOMS \*MODEL TYPE-04 RIGHT HAND/SS 1- 1/2"CONCEALED BAR 12"HORIZONTAL X 42"HIGH" ASI INTEGRATED SOLUTIONS \*ACHA TRADING (787) 275-6095-To be install by Contractor by contractor
- 9 \*ADA GRAB BARS \*BATHROOMS 1 \*MODEL TYPE 01 RIGHT HAND/SS 1-1/2"CONCEALED BAR-24"LONG" ASI INTEGRATED SOLUTIONS \*ACHA TRADING (787) 275-6095-To be install by Contractor by contractor
- 10 PRIZM URINAL TOP SUPPLY BATHROOMS SS GA 16/SA 1 N FINISH (HIGH POLISH-ANSI.USAF COMPLIANCE. WALL MOUNTED MODEL 8946/ADA-MANULA FLUSH MODEL FV 01 NEC-METRO.COMPANY BATHROOM JEV11LS/CARLOS DENTON-(787)250-4085
- 11 CURVED-FRONT WASH BASIN BATHROOMS MODEL 8980/SENDOR OPERATED MODEL DM1-50 /ss WALL MOUNTED/SASTIN FINISH/ADA NEC-METRO.COMPANY \*BATHROOM JEV11LS/CARLOS DENTON-(787)250-4085
- 12" URBAN TOILET \*BATHROOMS 1 MODEL 8950-PFS/SS/SATIN FINISH F NEC-METRO.COMPANY 1 BATHROOM JEV11LS/CARLOS DEN 50-4085
- 13 OUT DOOR CANOPY Top of bleachers and Administration BLDG and Food Services Steel truss, Metal Deck Galvalum Ga 22. elements Galvanized steel. Steel & Pipes, Alonso & carus \_788-1065n87-747-9090
- 14 TREX TRANCEDENT HOPE/PANEL \*FOOD COURT WALLS TENANTS\* \*MODEL TXT 1620SR/SPICE RUM COLOR/TXT1616SR-1"X 6"X 16"/TXT 1612SR/1"X 8"12"/24N16P" HARBOR EXPORTS REPRESENTATIVE-BRAD ENDFINGER-954-634-6200 INSTALLATION BY REPRESENTATIVE
- 15 Seating Reinforced Concrete Bleachers Maxma Part VSS-031/- W450:524D585 Fixed on Flat Concrete Floor. Amrchirage w/ HMI 500 MCM Kik s s bolt 9275 Rue la Royer, Saint-Lionard, QC H1P 3H7, Canada --+1 514-328-2772 Smiliar or equal
- 15 Metal Bech Metal Bleachers "2" x 10" Nominal Seat Planks. Horizontal/7" Front Row Seat Height \*Chain-Link or Picket Guardrail (on Models with 4 Rows or More) Double (2) x 10" Footboards (Riser Planks on Row 4 & Up) Deluxe Series Aluminum" Belt Outdoors Solutionst Model Part Outdoors//1800-933564/ Smiliar or equal
- 16 Soccer Goals Ground Field All Star II Touchline Zperm/Soccer Goal 8'x 24',Square Frame. Mesh Net Touchline TM, USA Rrepresentative Caribbean Equipment. Mariana Cabrera #502 Hostos Avenue, San Juan PR 0918-787-756-5628 Smiliar or equal
- 17 Soccer Outdoor Mesh Behind the Soccer Goals All Star II Touchline Zperm/Soccer Goal 8'x 24',Square Frame. Mesh Net Touchline TM, USA Rrepresentative Caribbean Equipment. Mariana Cabrera #502 Hostos Avenue, San Juan PR 091 B-787-756-5628 Smiliar or equal
- PAINTS Structural Steel EPOXY COATINGS FOR STEEL Sherwill Williams, Glidden. Mobil Paints Certified Contrator Smiliar or equal
- PAINTS Relfrined Concrete Surfaces Flat Paint. Owner to choose colors or A&E Sherwill Williams, Glidden. Mobil Paints Certified Contrator smmar or equal

**P & S CONSULTANTS**  
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 PHONE: 787.783.1438 Fax: 787.783.1909



CAMPO DE SOCCER PR. CRR-000518  
 MUNICIPALITY OF CABO ROJO  
 COMPLEJO DEPORTIVO REBEKAH COLBERG  
 CABO ROJO, P.R. 00623

g-l-g  
 a\_u\_u

UNION  
 NOT CONSTRUCTION  
 AS SHOWN

**Samuel  
 Perez  
 Adorno**

Digitally signed by Samuel P. Adorno  
 DN: cn=US, st=Puerto Rico,  
 o=colegio de Arquitectos y  
 Arquitectos de Puerto Rico, email=ClosPalQIstadesdePuerto  
 Rico, c=16925, cn=Samuel P. Adorno  
 email=spereza@bloes.lgn.com  
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DATE  
**06/30/23**

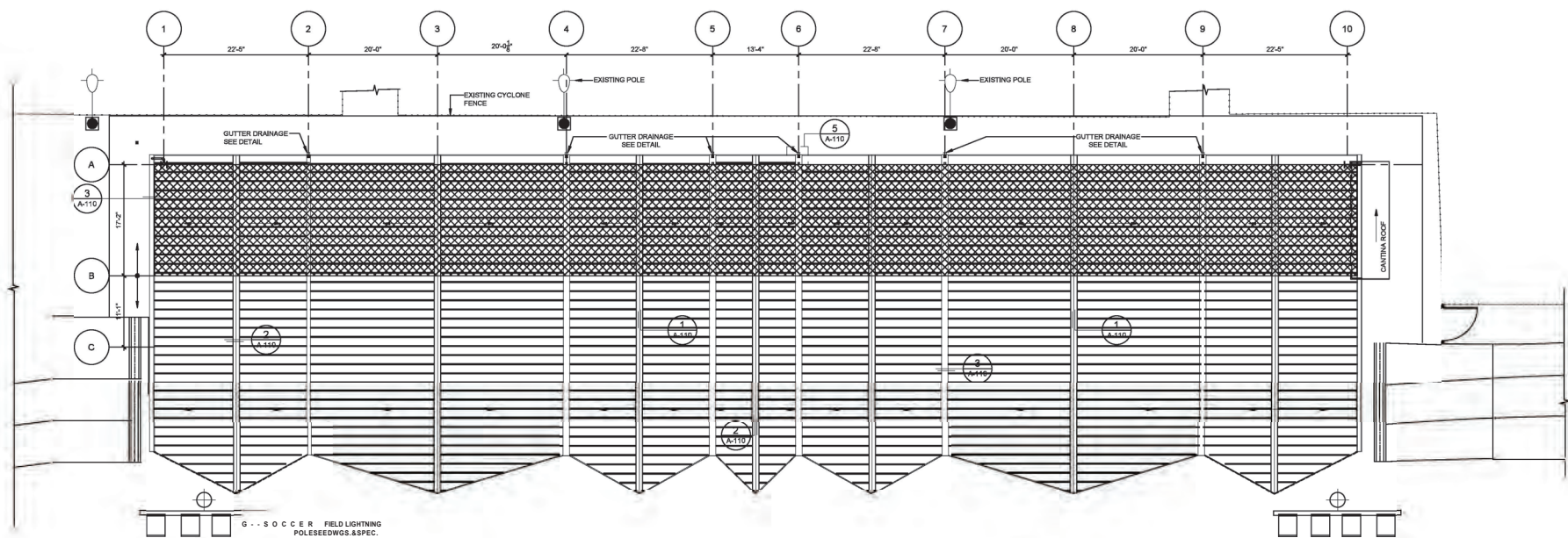
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**A-002**

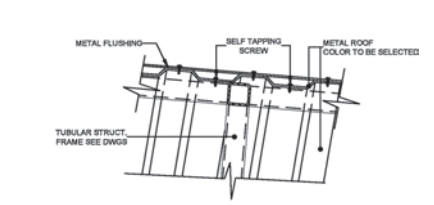
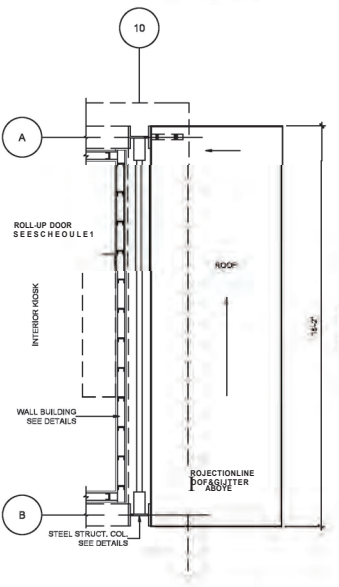




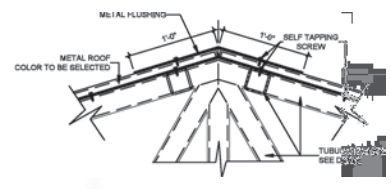




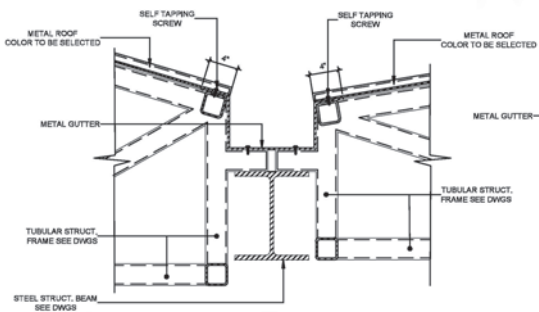
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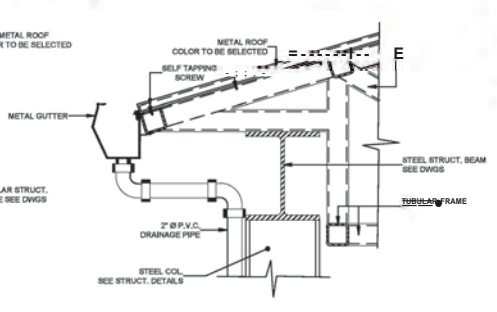
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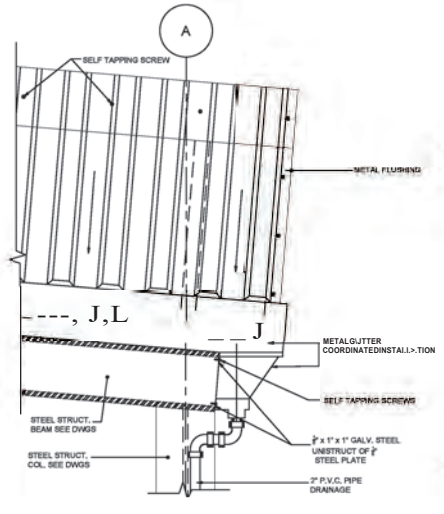
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**3 DETAIL MKD-3**  
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**4 DETAIL MKD-4**  
SCALE: 1/2" = 1'-0"



**5 DETAIL MK-D-5**  
SCALE: 1" = 1'-0"

**P & S CONSULTANTS**  
ARCHITECTURAL  
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1488 ROOSEVELT AVE. OFFICE 210-B  
SAN JUAN, P.R. 00907  
PHONE: 787.783.1438 Fax: 787.783.1909



PROFESIONALES EN  
DISEÑO Y CONSTRUCCIÓN  
DE OBRAS DE  
INFRAESTRUCTURA  
Y EDIFICACIONES  
RESIDENCIALES  
Y COMERCIALES  
EN  
SAN JUAN, P.R.  
Y OTROS PUNTO  
DE VENTA EN  
PUERTO RICO  
Y EN EL  
EXTERIOR

NOT CONSTRUCTION

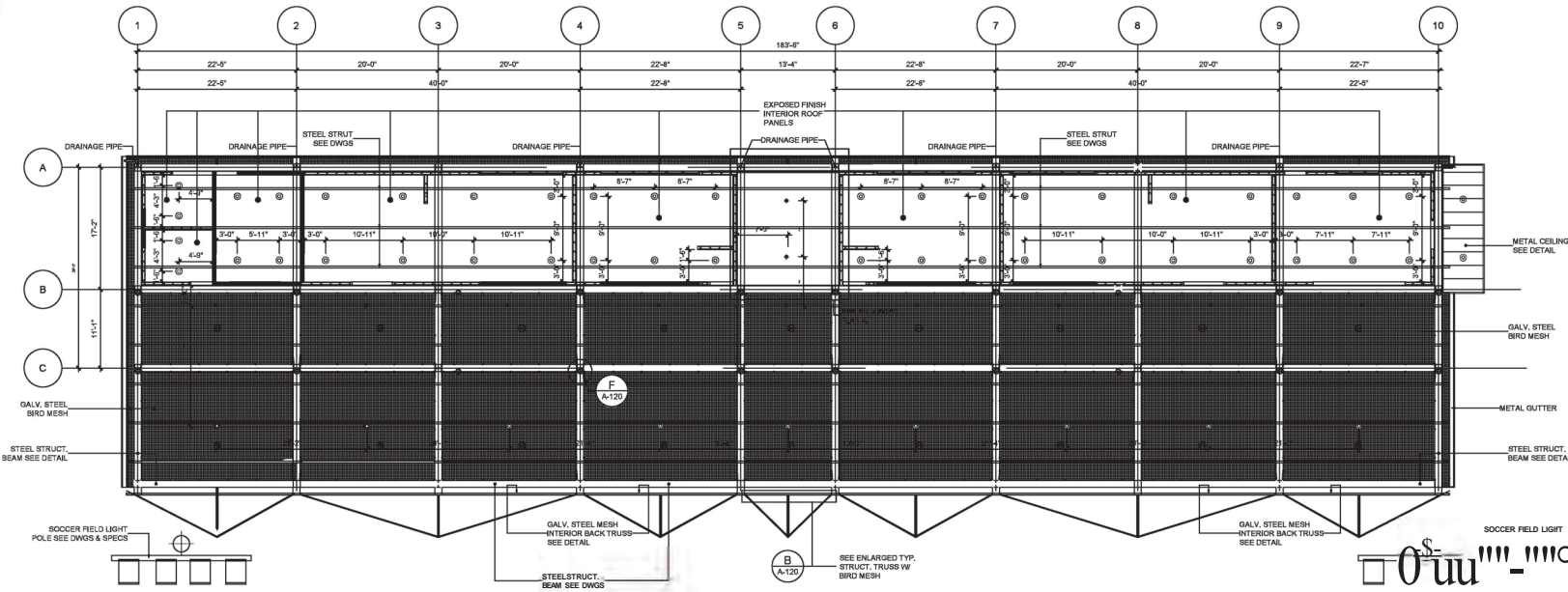
**Samuel  
Perez  
Adorno**

Digital signed by Samuel Perez Adorno  
DN: cn=US, st=Puerto Rico, o=Colegio de Arquitectos y Arquitectos Pajajistas de Puerto Rico, title=16925.cn-Samuel Perez Adorno,  
email=S.perez@iosign.com  
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**DATE**  
06/30/23

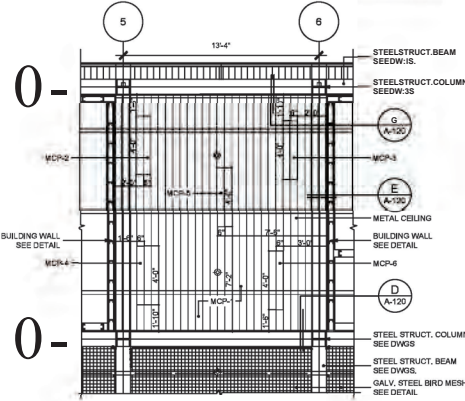
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A. MELENDEZ

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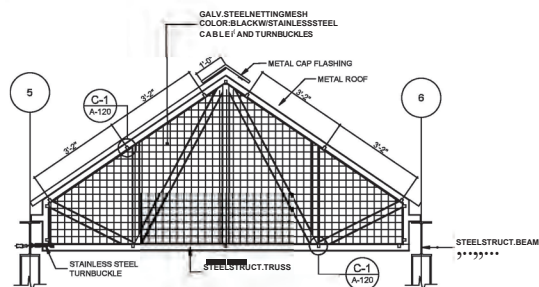


- LEGEND:**
- ⊙ INTERIORITY LUMINAARY
  - ⊕ CBUNG RECESSED LUMINAARY
  - ◆ SEATING AREA, LUMINAARY
  - BIRD MESH GALV. STEEL

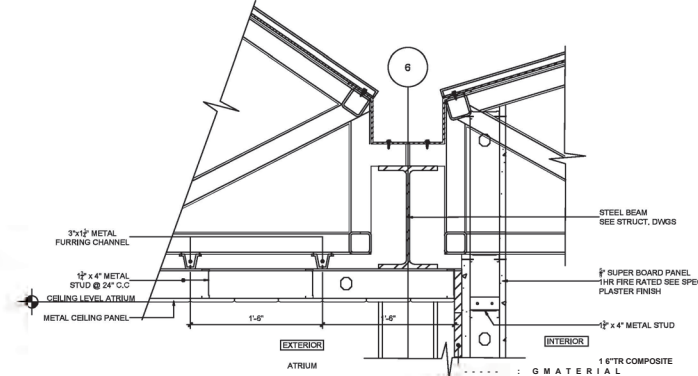
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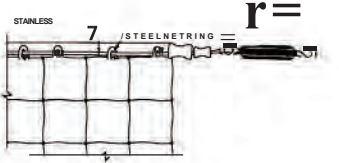
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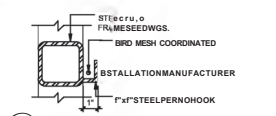
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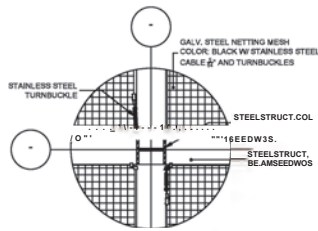
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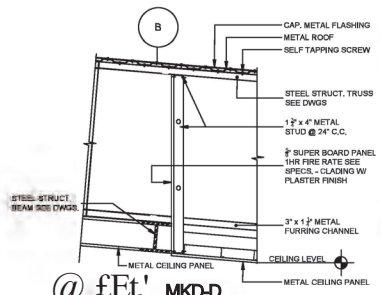
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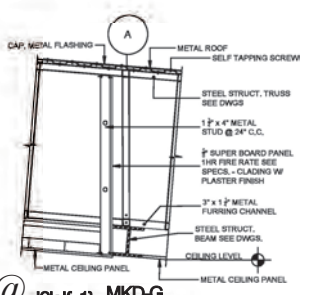
**ENLARGED STEEL HOOK**



**DETAIL MKD-F**  
SCALE: 1/2"=1'-0"



**DETAIL MKD-D**



**DETAIL MKD-G**

**P & S CONSULTANTS**  
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MANAGEMENT  
1488 ROOSEVELT AVE. OFFICE 210-B  
SAN JUAN, P.R. 00907  
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CONSTRUCTION

NOT CONSTRUCTION

Samuel Perez Adorno

Digitally signed by Samuel Perez Adorno  
DN: cn=Samuel Perez Adorno, o=Samuel Perez Adorno, email=samuel.perez.adorno@gmail.com, Date: 2023.08.10 18:11:04 -0400

**Samuel Perez Adorno**

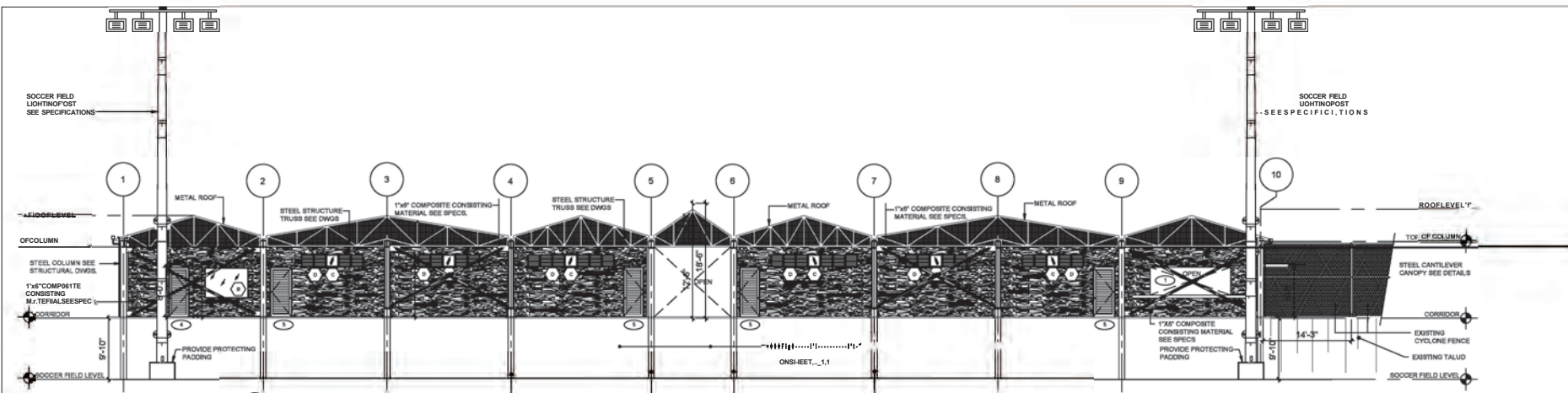
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DN: cn=Samuel Perez Adorno, o=Samuel Perez Adorno, email=samuel.perez.adorno@gmail.com, Date: 2023.08.10 18:11:04 -0400

**DATE**  
06/30/23

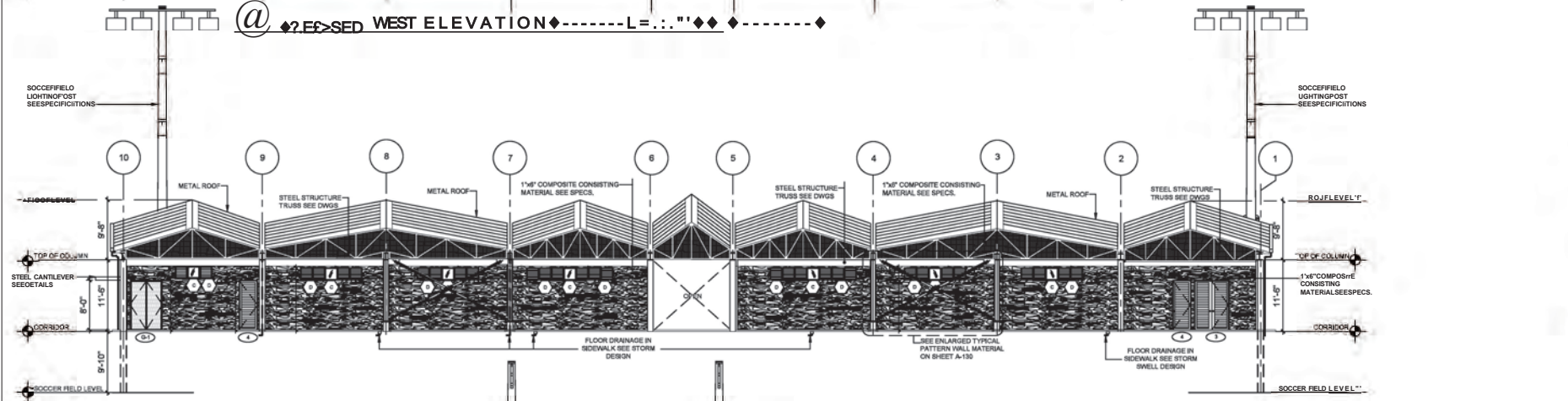
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A. MELENDEZ

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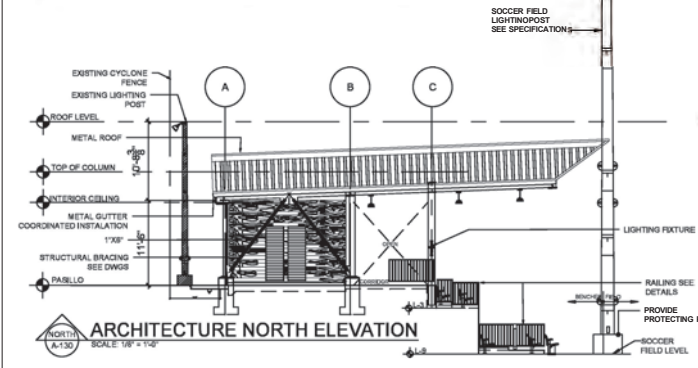




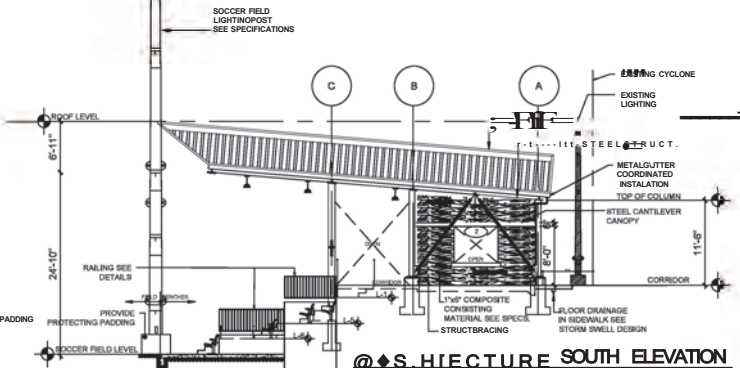
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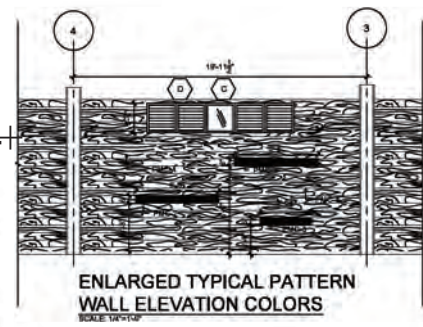
**@ E.2.P.2 SED EAST ELEVATION**



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



**@ S.H.I STRUCTURING SOUTH ELEVATION**



**ENLARGED TYPICAL PATTERN WALL ELEVATION COLORS**  
SCALE: 1/4" = 1'-0"

- PATTERN COLEBYEND:
- 1. PMC-1 TREE HOUSE
  - 2. PMC-2 FIRE PIT
  - 3. PMC-3 WINGE LANTERN
  - .. 1"MC.. GRAVEL PATH

**P & S CONSULTANTS**  
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PHONE: 787.783.1436 FAX: 787.783.1999



CAMPO DE SOCCER PROYECTO 000518  
MUNICIPALITY OF CAGO RAO  
COMPLEJO DEPORTIVO REBEKAH COLBERG  
CAGO RAO, P.R. 00923

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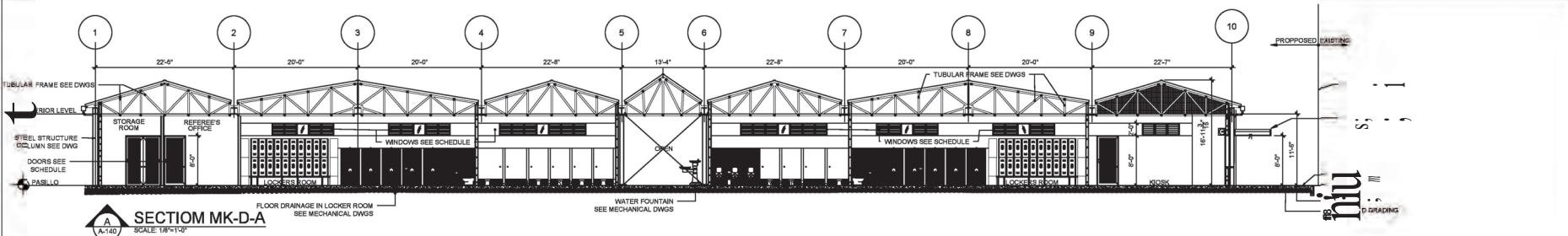
**Samuel Perez Adorno**

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email=sperez@blossign.com  
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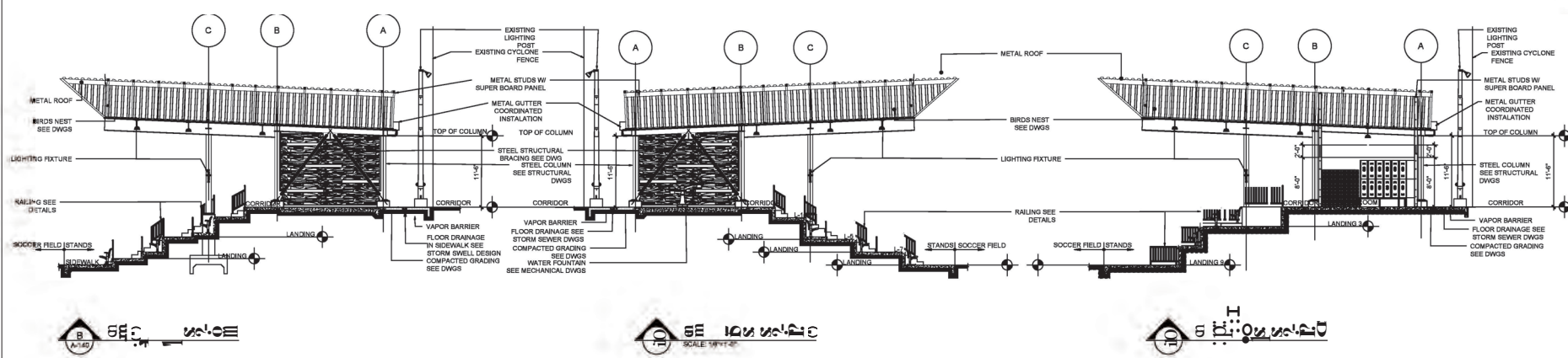
DATE  
**06/30/23**

DRAW BY:

**A-130**



**SECTION MK-D-A**  
SCALE: 1/8"=1'-0"



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

**SECTION C**  
SCALE: 1/4"=1'-0"

**SECTION D**  
SCALE: 1/4"=1'-0"

**P & S CONSULTANTS**  
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ENGINEERING  
MANAGEMENT  
1488 ROOSEVELT AVE. OFFICE 210-B  
CAMDEN, NJ 08105  
PHONE: 767-763-1436 FAX: 767-763-1909

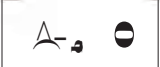
Prepared For:  
CAMDEN SOCCER PR-COR-00051  
MUNICIPAL GOVERNMENT  
COMPLEX CAMDEN REFEREES COLBERG  
CAMD ROAD, P.R. 08123

REVISIONS

NO.	DESCRIPTION	DATE
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2	ISS ADVANCE SET	
3	ISS ANALYSIS SET	
4	ISS ANALYSIS SET	

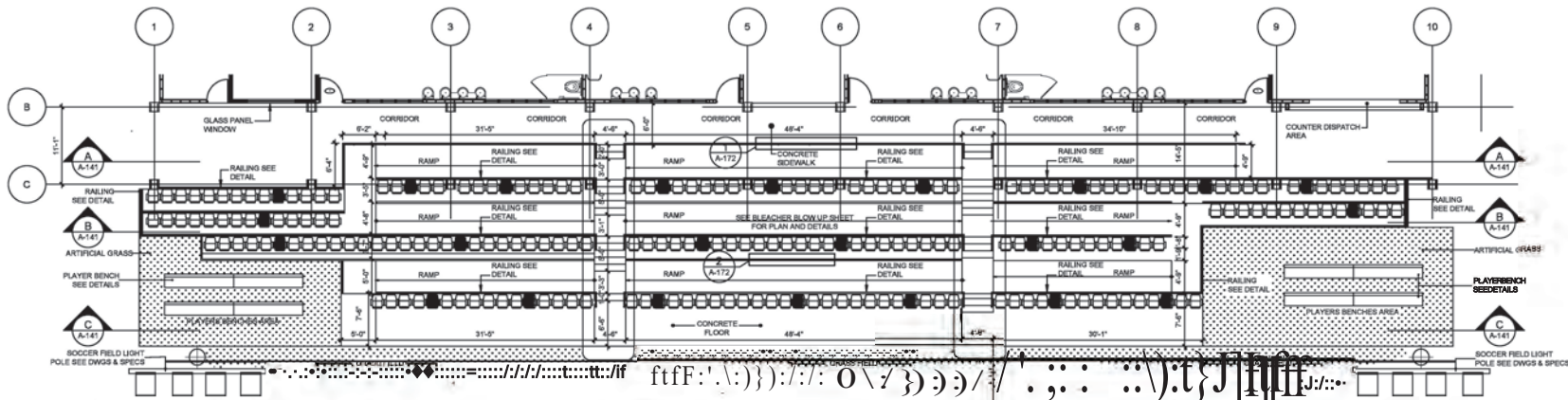
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Date: 2023.06.10 15:19:08 -04'00'

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**ARCHITECTURE SECTIONS**

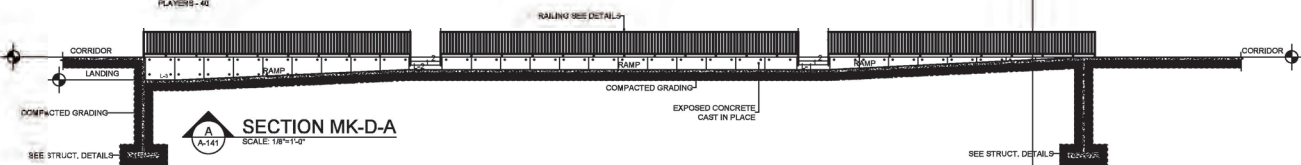




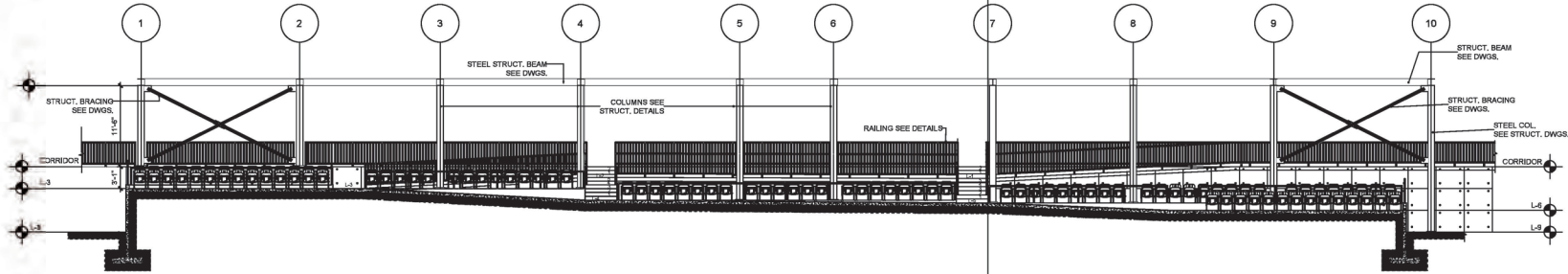
**ENLARGED BENCHES FLOOR PLAN**  
SCALE: 1/8"=1'-0"

NOTE:  
SEATING - 218  
PLAYERS - 40

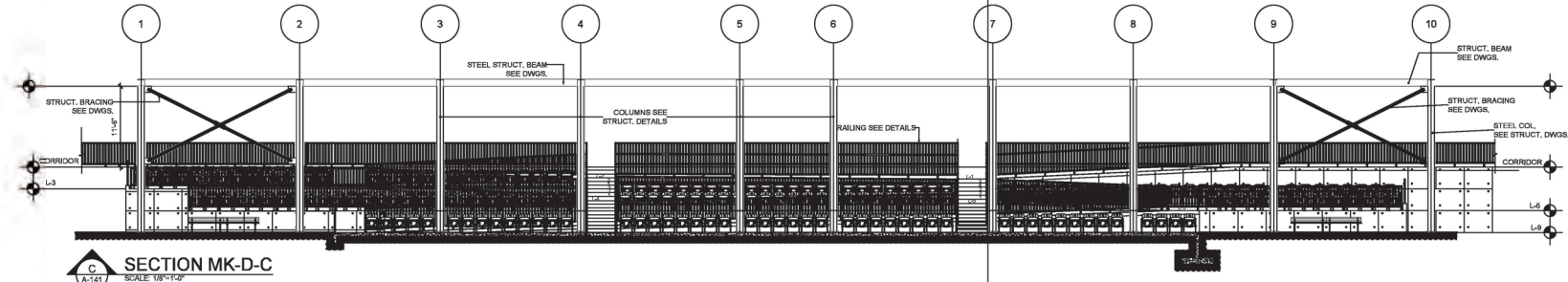
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-Y.B.L.O.W  
\*STRMODEL8NIDCOLOR  
TOBE COORDINATED  
SUBMITTALS FOR APPROVAL



**SECTION MK-D-A**  
SCALE: 1/8"=1'-0"



**SECTION MK-D-B**  
SCALE: 1/8"=1'-0"



**SECTION MK-D-C**  
SCALE: 1/8"=1'-0"

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PHONE: 787.783.1438 Fax: 787.783.1909



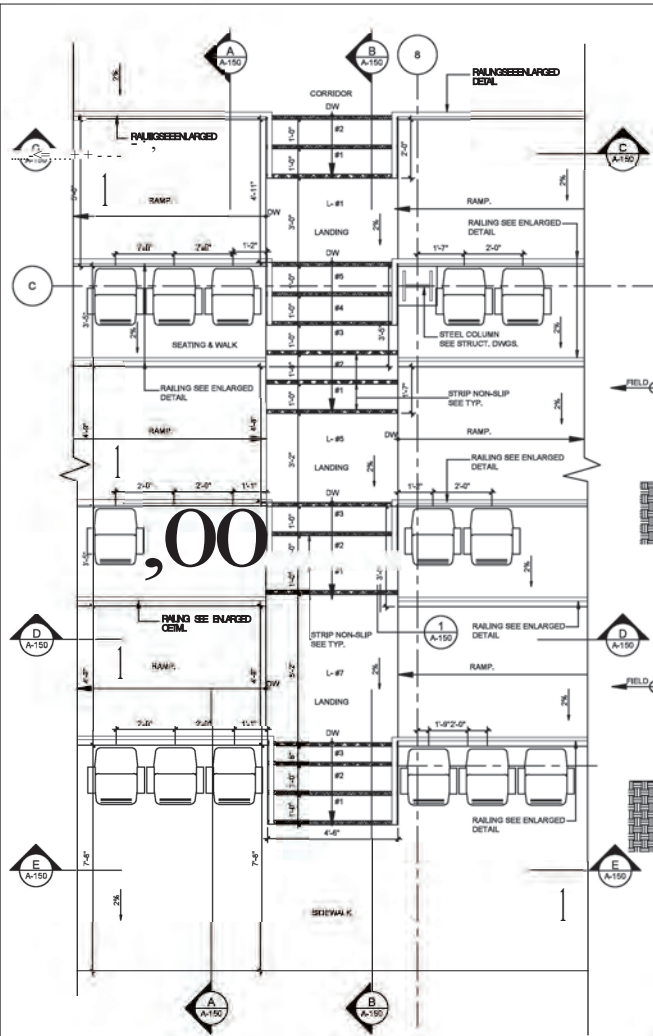
CAMPO DE SOCCER DEL CER-000518  
MUNICIPALITY OF CAYO RUIDO  
COMPLEJO DEPORTIVO REBEKAH COLBERG  
CAYO RUIDO, P.R. 00623

NOT CONSTRUCTION  
DATE: 06/30/23  
DRAWN BY: A. MELENDEZ

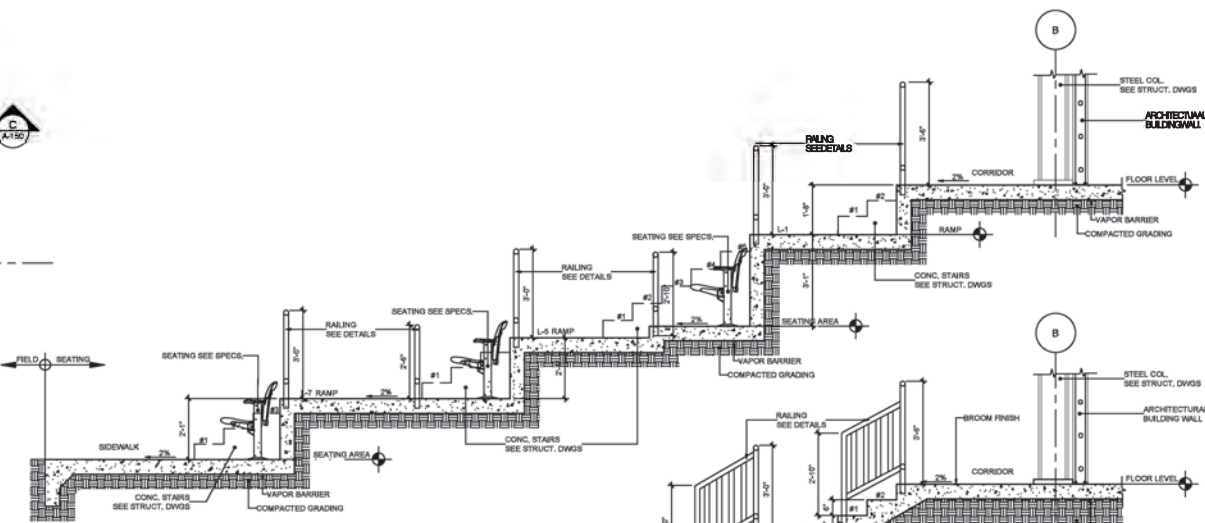
**Samuel Perez Adorno**  
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DN: cn=US, st=Puerto Rico, o=Colegio de Arquitectos y Arquitectos Pal listas de Puerto Rico, title=16925, cn=Samuel P rez Adorno,  
email=speresa@psbioeign.com  
Date: 2023.08.10 15:19:42 -04'00'

DATE: 06/30/23  
DRAWN BY: A. MELENDEZ

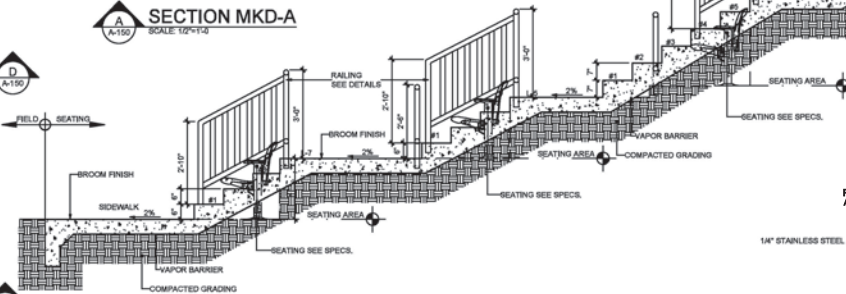
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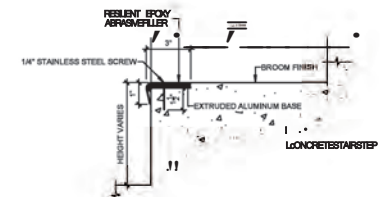
ENLARGED GRADAS STAIR PLAN #1  
SCALE: 1/2"=1'-0"



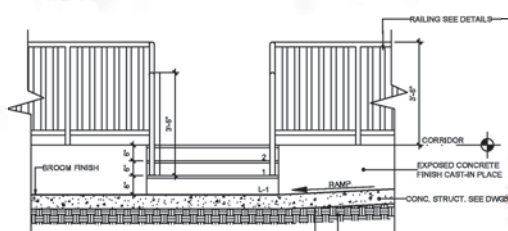
SECTION MKD-A  
SCALE: 1/2"=1'-0"



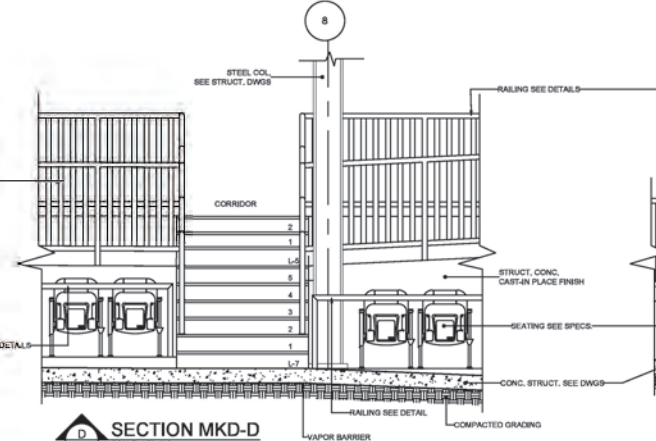
SECTION MKD-B  
SCALE: 1/2"=1'-0"



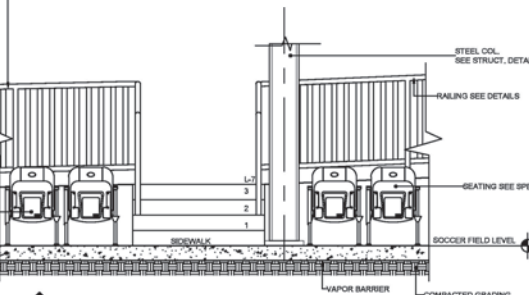
ENLARGED STEP NOSING  
DETAIL MKD-1  
SCALE: 3/4"=1'-0"



SECTION MKD-C  
SCALE: 1/2"=1'-0"



SECTION MKD-D  
SCALE: 1/2"=1'-0"



SECTION MKD-E  
SCALE: 1/2"=1'-0"

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CAMPO DE SOCCER PR-CR-000518  
MUNICIPALITY OF CAJON ROLD  
COMPLEJO DEPORTIVO REBEKAH COLBERG  
CAJON ROLD, P.R. 00623

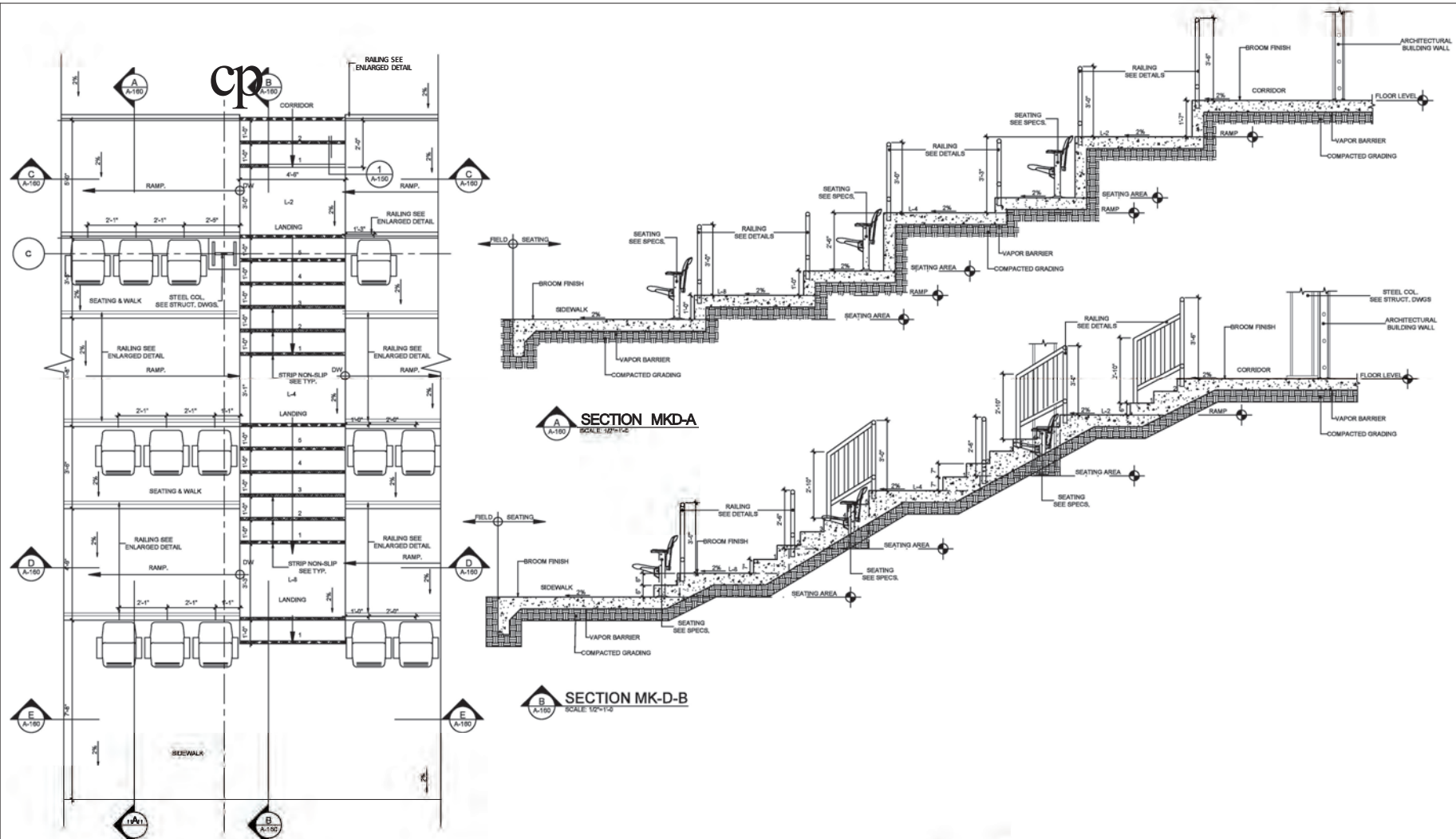
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NOT CONSTRUCTION

**Samuel Perez Adorno**  
Digitally signed by Samuel Perez Adorno  
DN: cn=US, o=Puerto Rico, ou=Ulegio de Arquitectura Arquitecto SPILLERES DE Puerto Rico, email=16922, n=Samuel Perez Adorno, email=perez@blowgn.com  
Date: 2023.08.10 18:20:10 -0400

DATE  
**06/30/23**  
DRAW BY:  
**A. MELENDEZ**

**A-150**



**ENLARGED GRADAS STAIR PLAN #B**

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



**SECTION MKD-C**

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



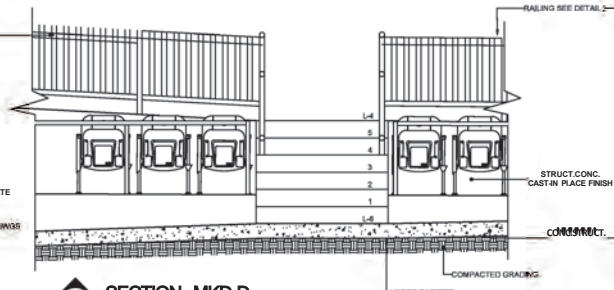
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SCALE: 1/2"=1'-0"



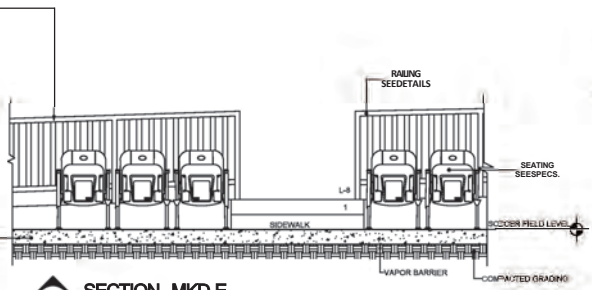
**SECTION MKD-B**

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



**SECTION MKD-D**

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



**SECTION MKD-E**

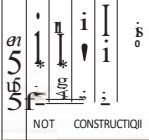
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**P & S CONSULTANTS**  
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Prepared For:  
 CAMPO DE SOCCER DEL CER-000518  
 MUNICIPALITY OF CAGO RCOJ  
 COMPLEJO DEPORTIVO REBEKAH COLBERG  
 CAGO RCOJ, P.R. 00623

ENLARGED PLAN #B



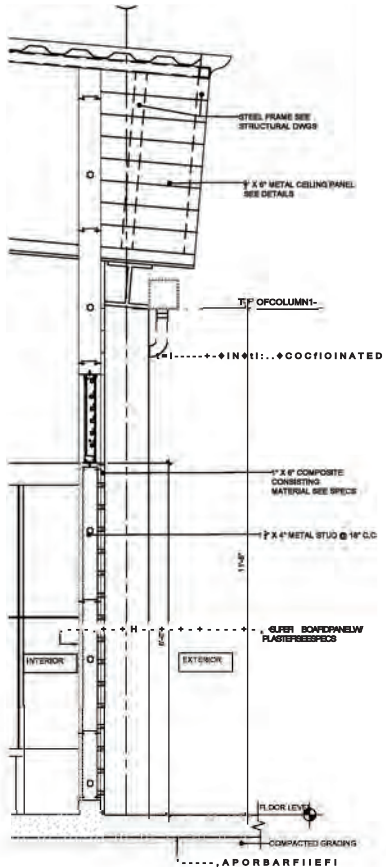
Samuel  
 Perez  
 Adorno

Digitally signed by Samuel Perez Adorno  
 DN: cn=US, st=Puerto Rico, o=Colegio de Arquitectos y Arquitectos Palsalistas de Puerto Rico, title=16925, cn=Samuel Perez Adorno,  
 email=Sperez@bioesign.com  
 Date: 2023.08.10 15:20:34 -0400'

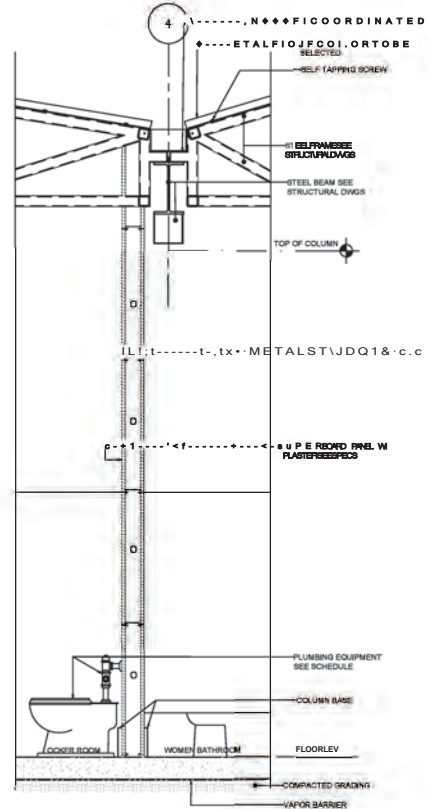
DATE  
 06/30/23  
 DRAW BY:  
 A. MELENDEZ

**A-160**

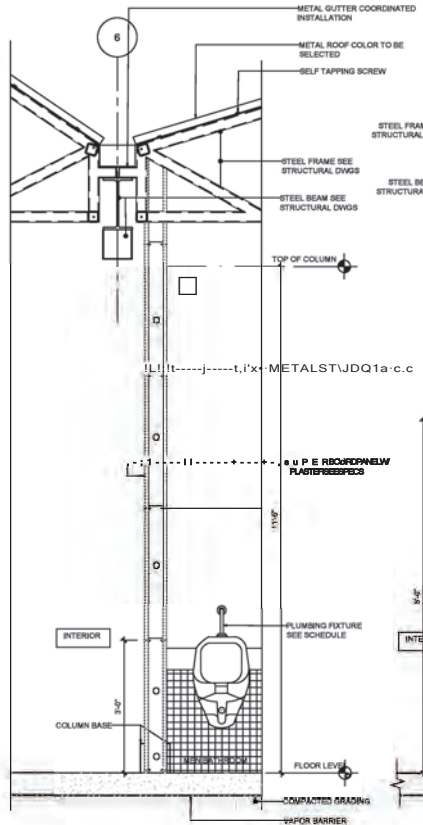




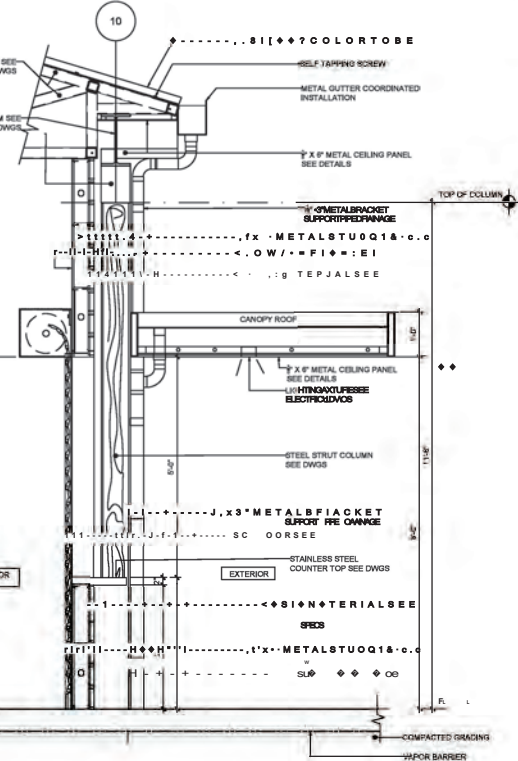
@th♦SECTION-MK-D-1



@rt.♦SECTION-MK-D-4



@♦h♦SECTION-MK-D-3



'@♦h♦,?SECTION-MK-D-4

171  
171  
171  
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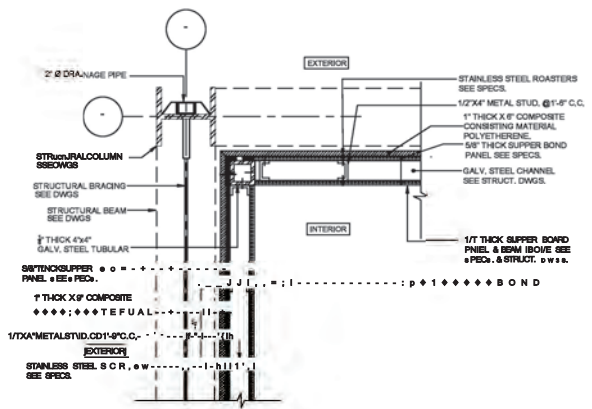
NOT FOR CONSTRUCTION

**Samuel Perez Adorno**  
 Digitally signed by Samuel Perez Adorno  
 DN: cn=Samuel Perez Adorno, o=Samuel Perez Adorno Architects, ou=Samuel Perez Adorno Architects, email=sperezadorno@gmail.com, c=US

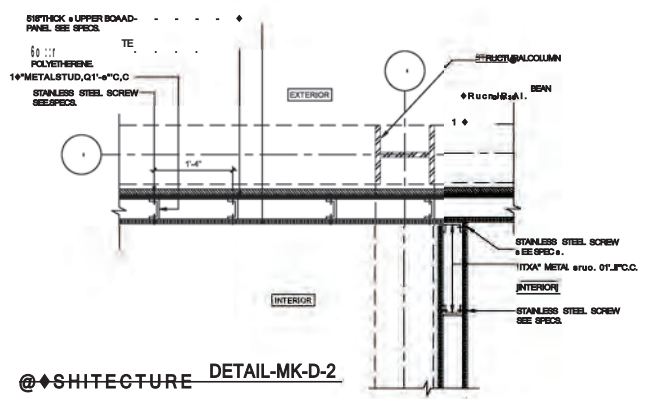
DATE  
**06/30/23**  
 DRAW BY:  
**A. MELENDEZ**

**A-170**

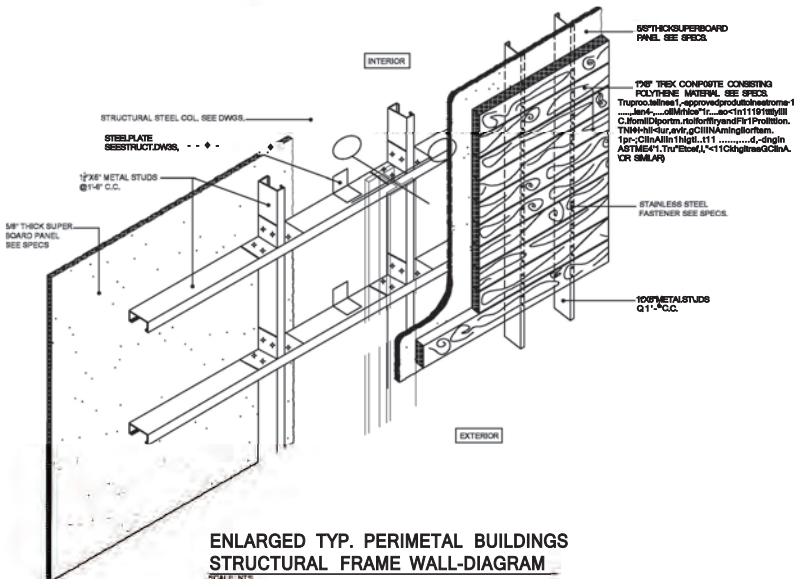




ARCHITECTURE DETAIL-MK-D-1



ARCHITECTURE DETAIL-MK-D-2



ENLARGED TYP. PERIMETAL BUILDINGS STRUCTURAL FRAME WALL-DIAGRAM

PERIMETAL WALL BUILDINGS

ULU41SULSystemA	Pr:::ctline	Sy9o1T110Vz---	SFC
F..J..10..W..11 "11-1e1u(N1111	hours	3.12Sin.	32-36
Ln11-R.1er1ng)			

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CAMPO DE SOCCER PR. CFB-000518  
 MUNICIPALITY OF CAGO ROLD  
 COMPLEJO DEPORTIVO REBEKAH COLBERG  
 CAGO ROLD, P.R. 00623

red

AS SHOWN

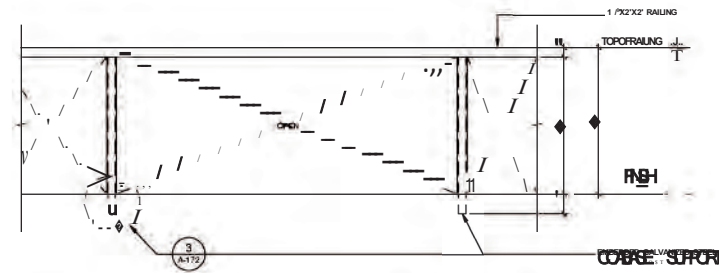
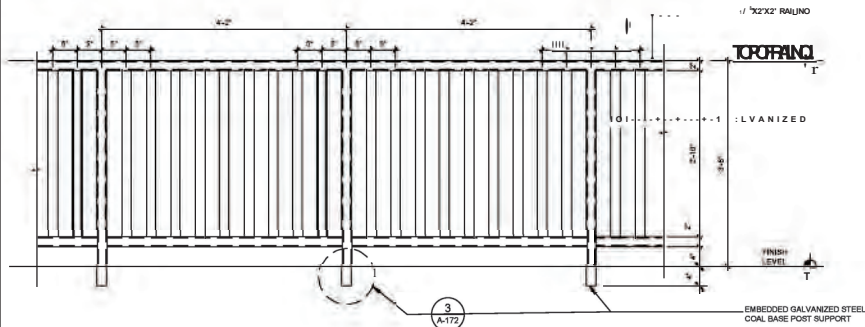
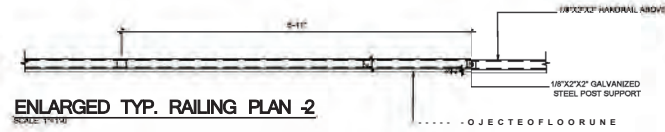
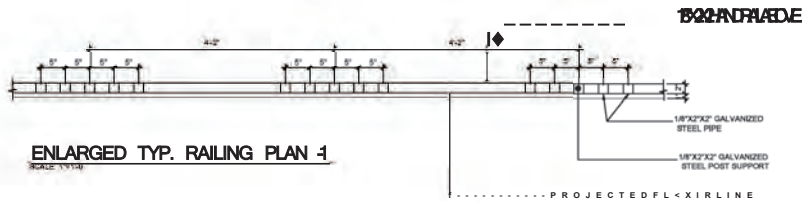
NOT CONSTRUCTION

**Samuel Perez Adorno**  
 Digitally signed by Samuel Perez Adorno  
 DN: cn=US, o=Puerto Rico, ou=Colegio de Arquitectos y Arquitectos Paisajistas de Puerto Rico, email=16925\_cn=SamuelPerez Adorno, email=perez@psbdesign.com  
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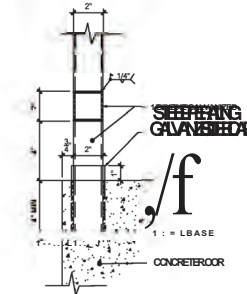
DATE  
**06/30/23**

DRAW BY:

**A-171**

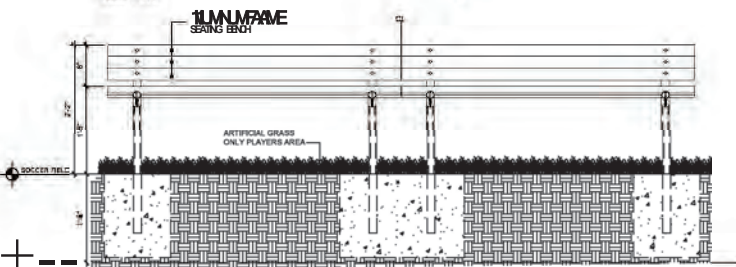


ENLARGED TYP. RAILING PLAN 2  
SCALE: 1/4"

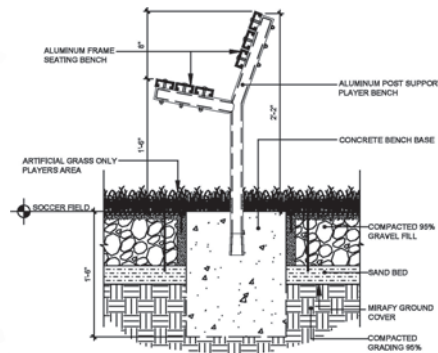


ENLARGED TYPICAL EMBEDDED GALVANIZED BASE POST RAILING JOIST

TYP. RAILING ELEVATION

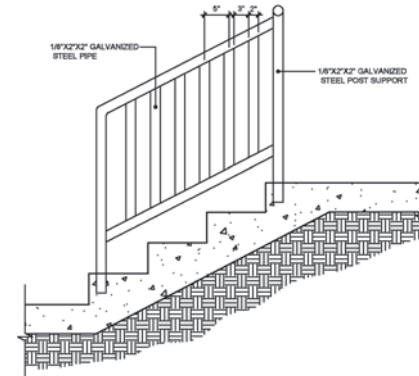


ENLARGED ALUMINUM BENCH SOCCER PLAYER ELEVATION  
SCALE: 1/4"



ENLARGED ALUMINUM BENCH SOCCER PLAYER SECTION  
SCALE: 1/4"

Q



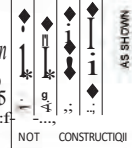
ENLARGED TYPICAL RAILING STAIR SIDE  
SCALE: 1/4"

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CAMPO DE SOCCER DEL CER-000518  
MUNICIPALITY OF CAGO ROLD  
COMPLEJO DEPORTIVO REBEKAH COLBERG  
CAGO ROLD, P.R. 00623

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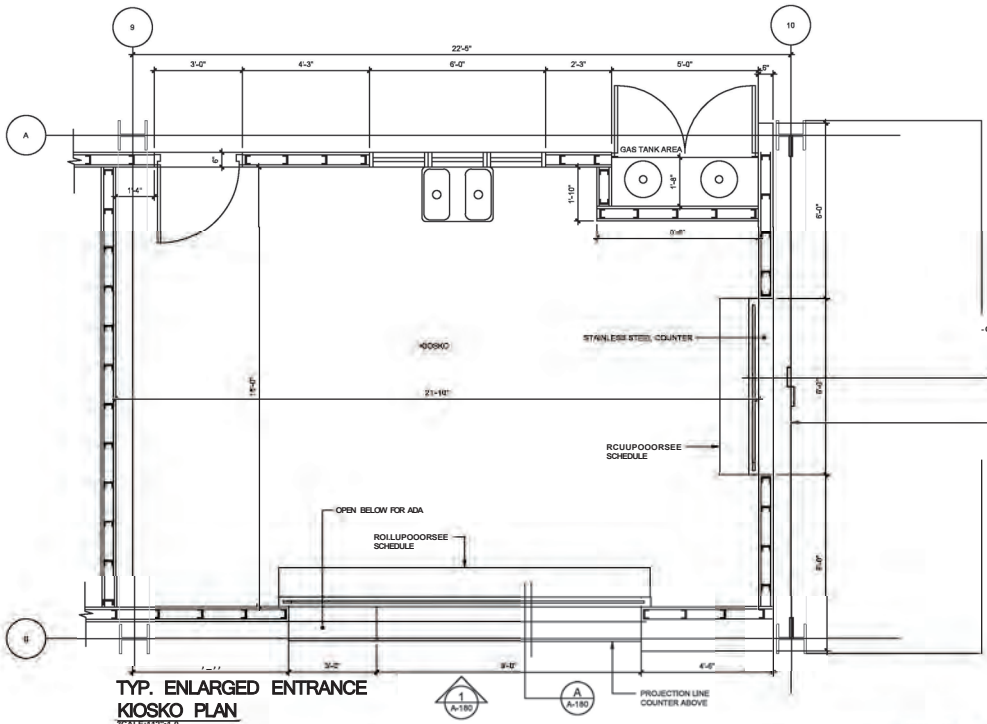


Samuel Perez Adorno

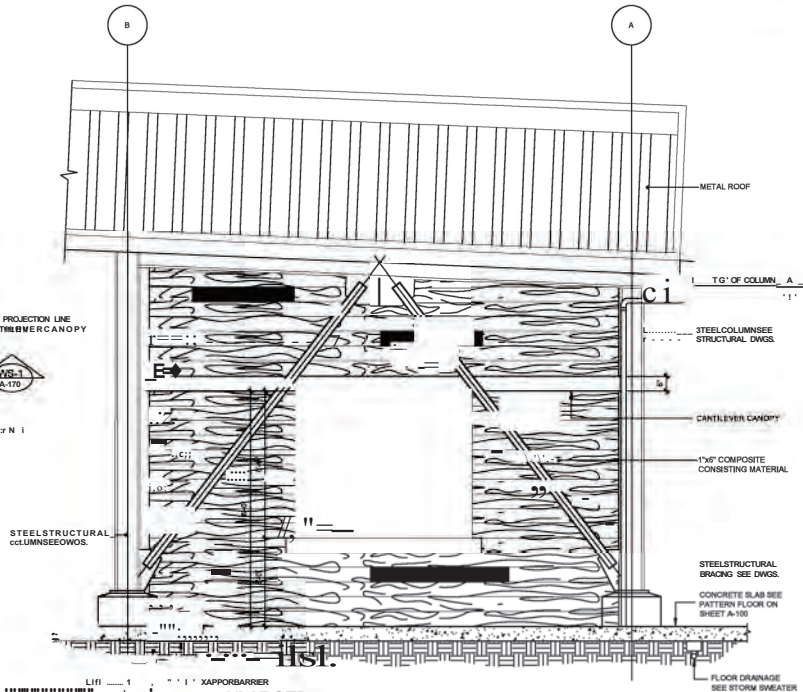
Digitally signed by Samuel Perez Adorno  
DN: cn=US, st=Puerto Rico, o=ColegiodeArquiteru.sy  
Arquitectos Paisajistas de Puerto Rico, ou=16925, cn=Samuel Perez Adorno  
email=spereza@bloesign.com  
Date: 2023.08.10 15:21:39 -0400

DATE  
06/30/23  
DRAW BY:

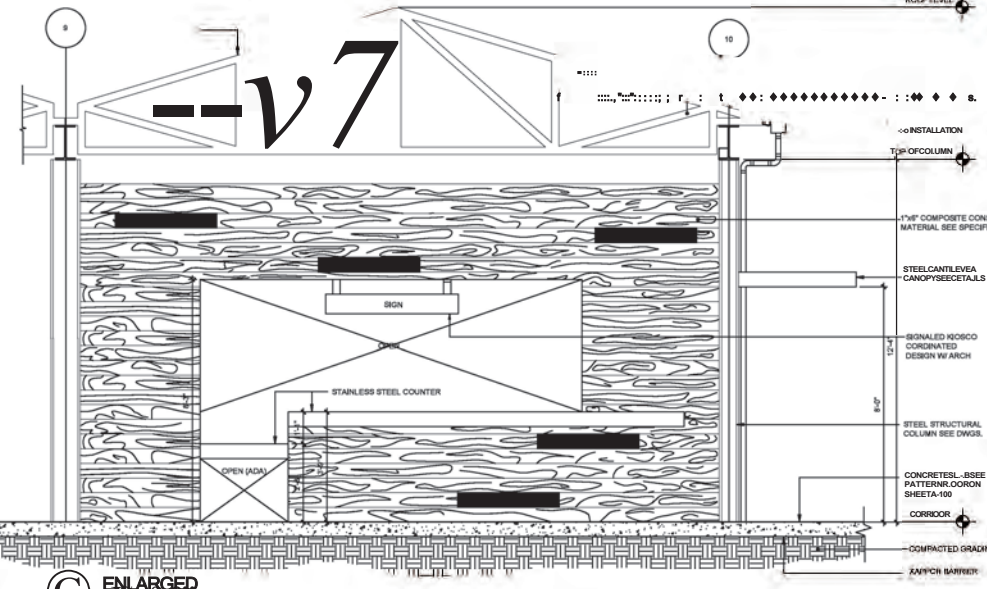
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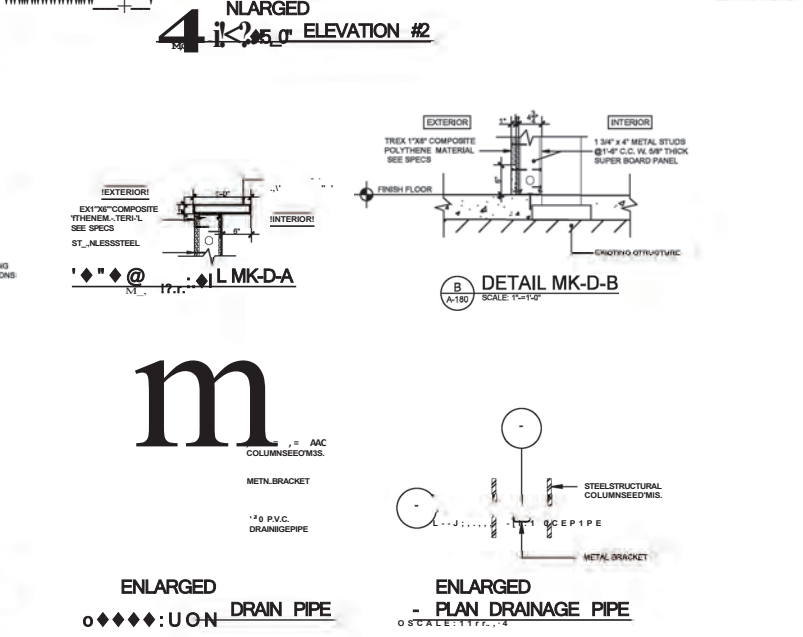
TYP. ENLARGED ENTRANCE KIOSK PLAN  
SCALE: 1/2" = 1'-0"



ENLARGED ELEVATION #2  
SCALE: 1/2" = 1'-0"



ENLARGED ELEVATION #1  
SCALE: 1/2" = 1'-0"



ENLARGED DRAIN PIPE  
SCALE: 1/2" = 1'-0"

ENLARGED PLAN DRAINAGE PIPE  
SCALE: 1/2" = 1'-0"

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CAMPO DE SOCCER BR. CER-000518  
MUNICIPALITY OF CABO RIGOLD  
COMPLEJO DEPORTIVO REBEKAH COLBERG  
CABO RIGOLD, P.R. 00623

ENLARGED KIOSK PLAN  
SECTIONS & DETAILS

REVISIONS

1.	30% PROGRESS SET
2.	60% ADVANCE SET
3.	90% FINAL DESIGN SET
4.	100% FINAL DESIGN SET

SCALE: AS SHOWN

NOT FOR CONSTRUCTION

**Samuel Perez Adorno**  
Digitally signed by Samuel Perez  
S. Perez Pulido Rico,  
Rico, cn=S. Perez Pulido Rico, o=Samuel Perez Adorno, email=erm@bloes.com, Date: 2023.08.10 15:22

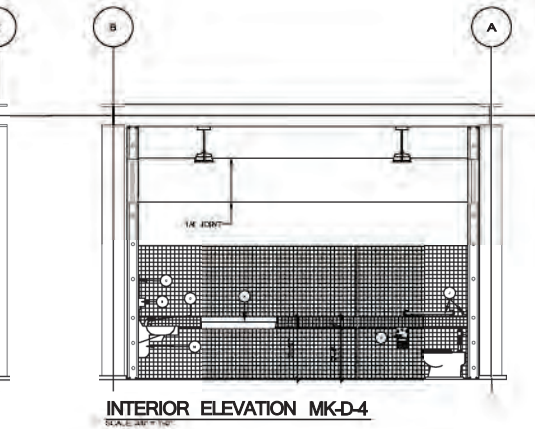
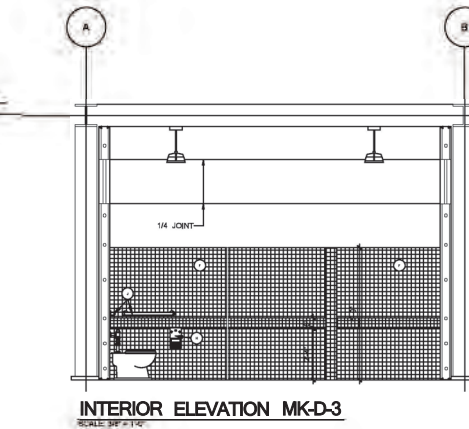
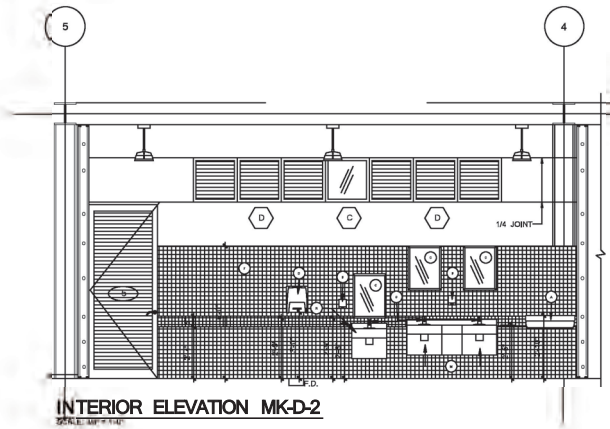
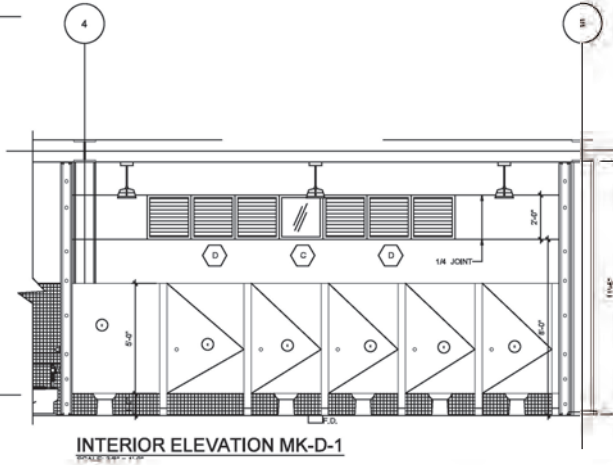
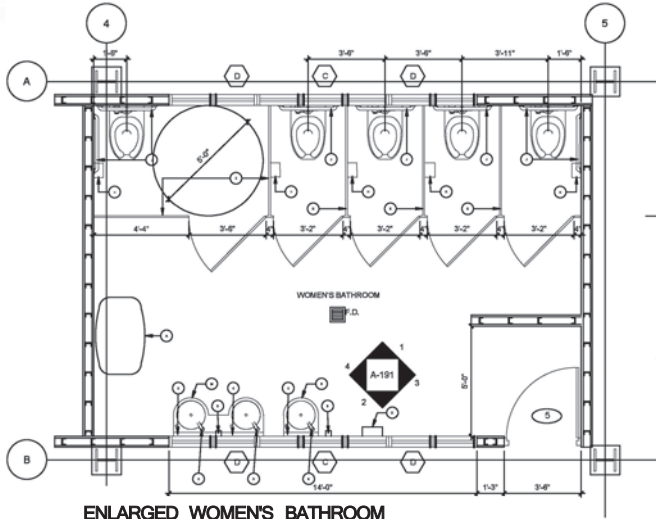
DATE  
**06/30/23**  
DRAW BY:

**A-180**









**NOTE:**  
CONTRACTOR SUBMIT ALL DIMENSIONS BEFORE CONSTRUCTION  
CONTRACTOR SUBMIT ALL SAMPLES FOR APPROVAL TO ARQI BEFORE OF CONSTRUCTION

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ARQI  
CONSTRUCTION  
CEN  
CO  
BEN  
ROOM

NOT CONSTRUCTION

**Samuel Perez Adorno**

Digitaly signed by Samuel Perez Adorno  
Rit=+US, st=Puerto Rico  
O=Colegiado Arquitectos y Arquitectos Paisajistas de Puerto Rico, title=I6925, cn=Samuel Perez Adorno,  
email=sperez@bloesign.com  
Date: 2023.08.10 15:22:47 -0400

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**06/30/23**

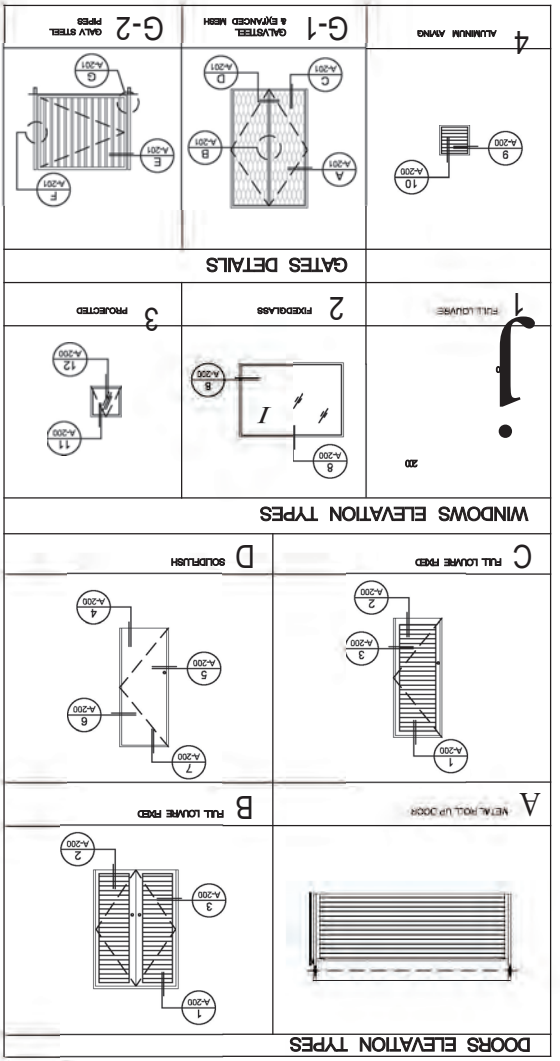
DRAW BY:  
**A. MELENDEZ**

**A-191**



**IMPORTANT NOTES:**

- GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AUTHORITIES.
- GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AUTHORITIES.
- GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AUTHORITIES.



DOORS SCHEDULE									
MNO.	TYPE	WIDTH	HEIGHT	DEPTH	MATERIAL	GLASS	THICK	REMARKS	QTY
1	TYPE-A	18'-0"	8'-0"	8'-0"	METAL	ROLL UP	—	—	1
2	TYPE-A	8'-0"	8'-0"	8'-0"	METAL	ROLL UP	—	—	1
3	TYPE-A	8'-0"	8'-0"	8'-0"	METAL	ROLL UP	—	—	1
4	TYPE-A	8'-0"	8'-0"	8'-0"	METAL	ROLL UP	—	—	1
5	TYPE-C	3'-0"	8'-0"	3'-0"	METAL	SINGLE SWING	—	—	1
6	TYPE-C	3'-0"	8'-0"	3'-0"	METAL	SINGLE SWING	—	—	1
7	TYPE-C	3'-0"	8'-0"	3'-0"	METAL	SINGLE SWING	—	—	1
8	TYPE-C	3'-0"	8'-0"	3'-0"	METAL	SINGLE SWING	—	—	1
9	TYPE-C	3'-0"	8'-0"	3'-0"	METAL	SINGLE SWING	—	—	1
10	TYPE-C	3'-0"	8'-0"	3'-0"	METAL	SINGLE SWING	—	—	1
11	TYPE-C	3'-0"	8'-0"	3'-0"	METAL	SINGLE SWING	—	—	1
12	TYPE-C	3'-0"	8'-0"	3'-0"	METAL	SINGLE SWING	—	—	1

WINDOWS SCHEDULE									
MNO.	TYPE	WIDTH	HEIGHT	DEPTH	MATERIAL	GLASS	THICK	REMARKS	QTY
1	TYPE-1	2'-0"	2'-0"	2'-0"	ALUMINUM	PROJECTED	—	—	1
2	TYPE-1	2'-0"	2'-0"	2'-0"	ALUMINUM	PROJECTED	—	—	1
3	TYPE-1	2'-0"	2'-0"	2'-0"	ALUMINUM	PROJECTED	—	—	1
4	TYPE-1	2'-0"	2'-0"	2'-0"	ALUMINUM	PROJECTED	—	—	1
5	TYPE-1	2'-0"	2'-0"	2'-0"	ALUMINUM	PROJECTED	—	—	1
6	TYPE-1	2'-0"	2'-0"	2'-0"	ALUMINUM	PROJECTED	—	—	1
7	TYPE-1	2'-0"	2'-0"	2'-0"	ALUMINUM	PROJECTED	—	—	1
8	TYPE-1	2'-0"	2'-0"	2'-0"	ALUMINUM	PROJECTED	—	—	1
9	TYPE-1	2'-0"	2'-0"	2'-0"	ALUMINUM	PROJECTED	—	—	1
10	TYPE-1	2'-0"	2'-0"	2'-0"	ALUMINUM	PROJECTED	—	—	1
11	TYPE-1	2'-0"	2'-0"	2'-0"	ALUMINUM	PROJECTED	—	—	1
12	TYPE-1	2'-0"	2'-0"	2'-0"	ALUMINUM	PROJECTED	—	—	1

GATES SCHEDULE									
MNO.	TYPE	WIDTH	HEIGHT	DEPTH	MATERIAL	GLASS	THICK	REMARKS	QTY
1	TYPE-1	2'-0"	2'-0"	2'-0"	ALUMINUM	PROJECTED	—	—	1
2	TYPE-1	2'-0"	2'-0"	2'-0"	ALUMINUM	PROJECTED	—	—	1
3	TYPE-1	2'-0"	2'-0"	2'-0"	ALUMINUM	PROJECTED	—	—	1
4	TYPE-1	2'-0"	2'-0"	2'-0"	ALUMINUM	PROJECTED	—	—	1
5	TYPE-1	2'-0"	2'-0"	2'-0"	ALUMINUM	PROJECTED	—	—	1
6	TYPE-1	2'-0"	2'-0"	2'-0"	ALUMINUM	PROJECTED	—	—	1
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11	TYPE-1	2'-0"	2'-0"	2'-0"	ALUMINUM	PROJECTED	—	—	1
12	TYPE-1	2'-0"	2'-0"	2'-0"	ALUMINUM	PROJECTED	—	—	1

**HARDWARE SET:**

#1 REFRIGERATOR  
 #2 REFRIGERATOR  
 #3 REFRIGERATOR  
 #4 REFRIGERATOR  
 #5 REFRIGERATOR  
 #6 REFRIGERATOR  
 #7 REFRIGERATOR  
 #8 REFRIGERATOR  
 #9 REFRIGERATOR  
 #10 REFRIGERATOR  
 #11 REFRIGERATOR  
 #12 REFRIGERATOR

**P & S CONSULTANTS**

ARCHITECTURE  
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 INTERIOR DESIGN  
 LANDSCAPE ARCHITECTURE

444 ROBERT T. AVENUE  
 GUAYAMA, PUERTO RICO 00948  
 PHONE: 787.763.1438 FAX: 787.763.1400

**Samuel Perez**

Adorno

06/30/23

DATE

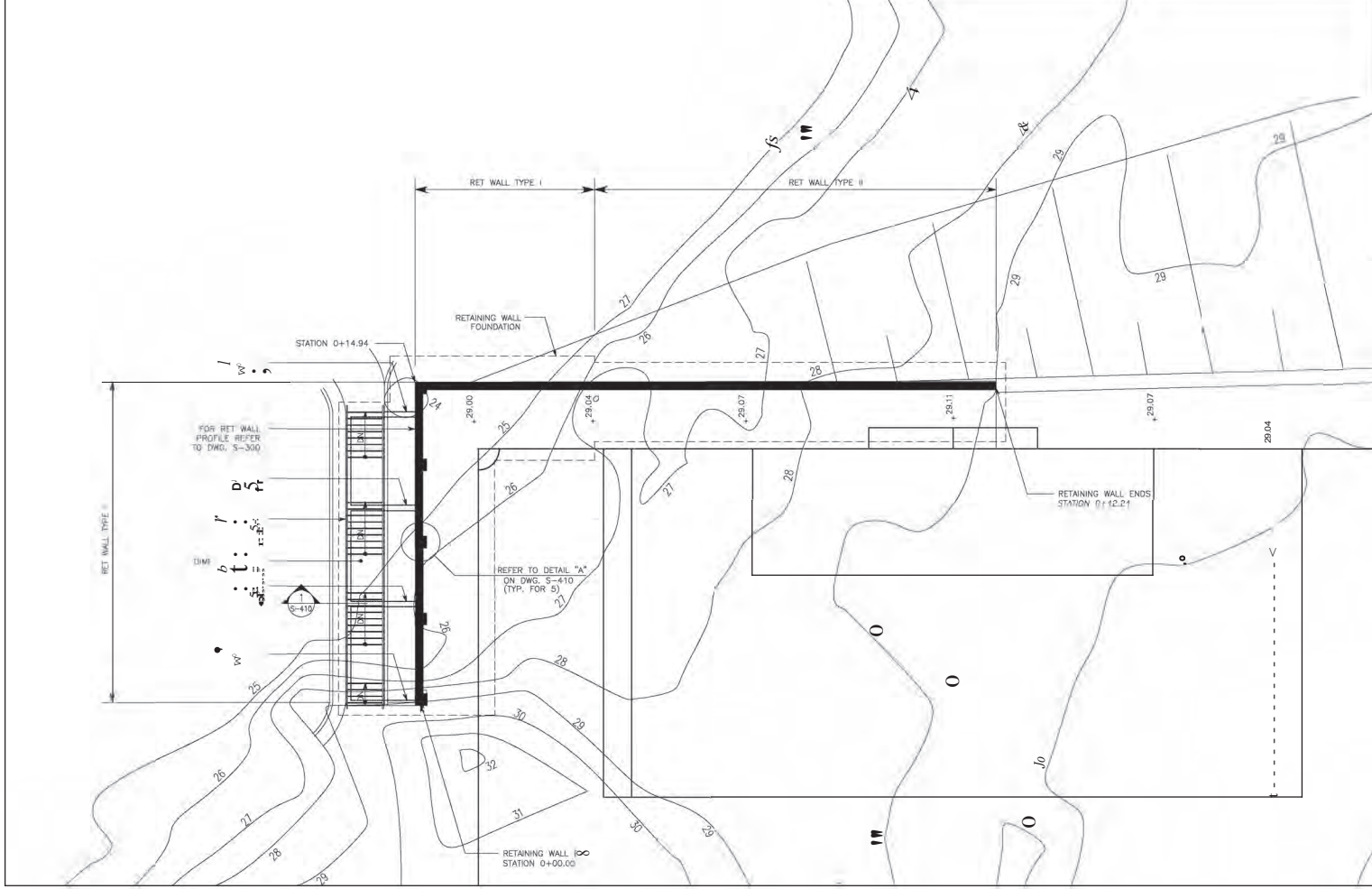
DRAW BY:

A-200









RETAINING WALL FOUNDATION PLAN  
SCALE: 1"=10'

REVISIONS

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AS SHOWN

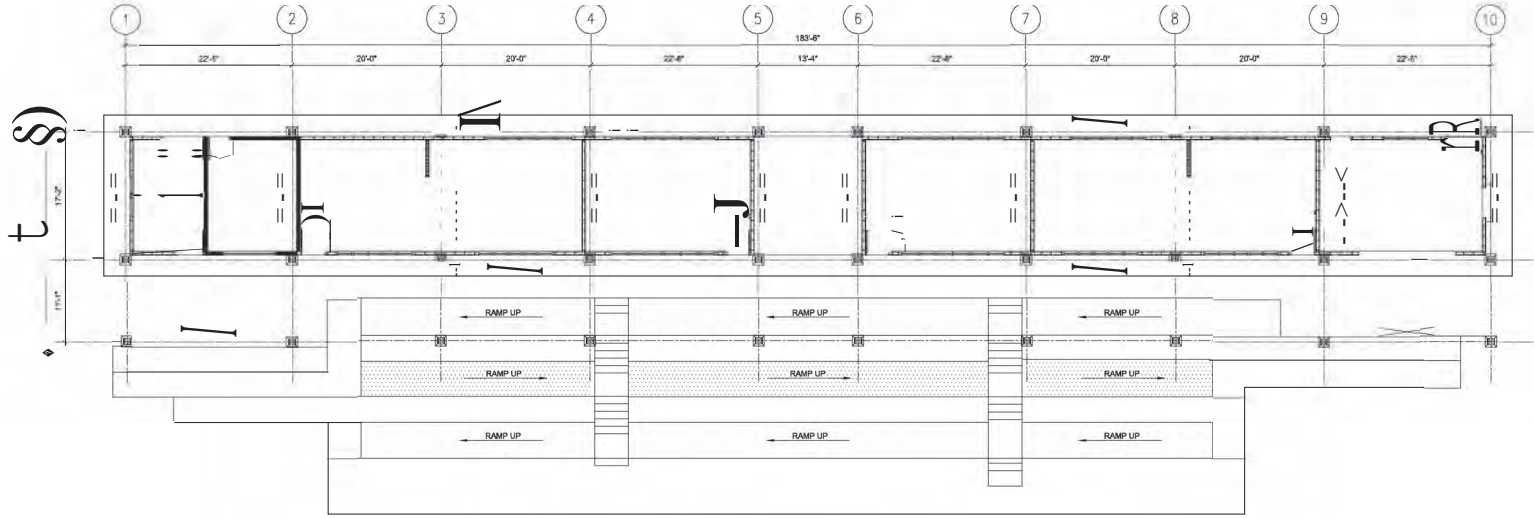
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Prepared For:  
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 MUNICIPALITY OF CABO ROJO  
 COMPLEJO DEPORTIVO REBEKAH COLBERG  
 CABO ROJO, 00623

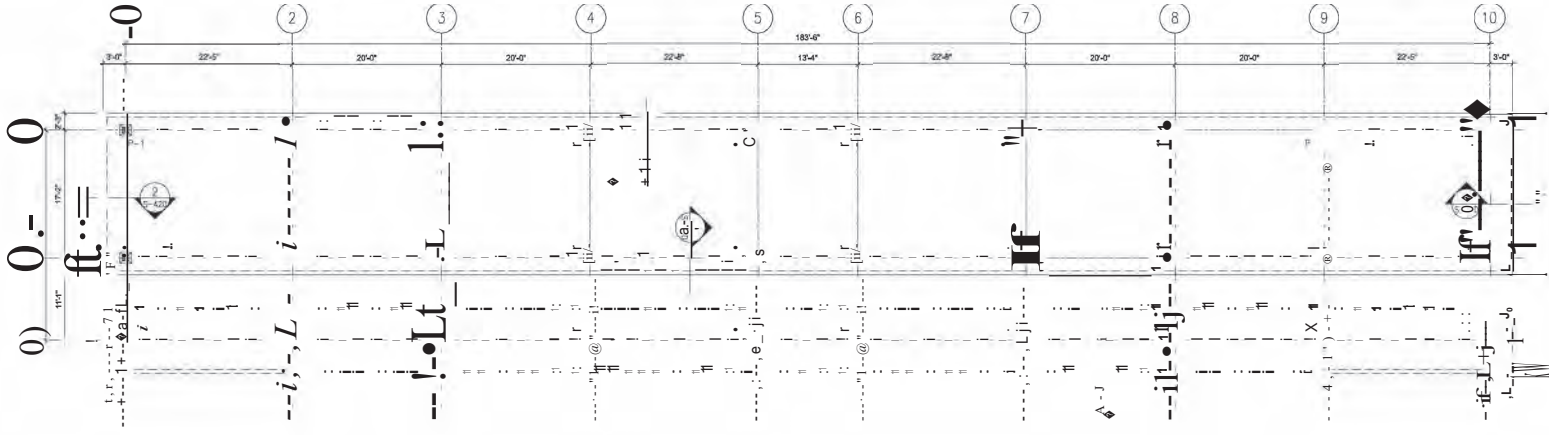
RETAINING WALL FOUNDATION PLAN

P & S CONSULTANTS

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 ENGINEERING  
 MANAGEMENT  
 1488 ROOSEVELT AVE. OFFICE 210-B  
 SAN JUAN, P.R. 00907  
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B CONCRETE FLOOR SLAB  
(SCALE: 1/8"=1'-0")



0 FOUNDATION  
(SCALE: 1/8"=1'-0")

REVISIONS	Prepared For:
1. RC	
2.	
3.	
4.	

SOCCER FIELD  
MUNICIPALITY OF CABO ROJO  
COMPLEJO DEPORTIVO REBEKAH COLBERG  
CASO ROJO, 00623

FOUNDATION & CONCRETE FLOOR SLAB PLANS



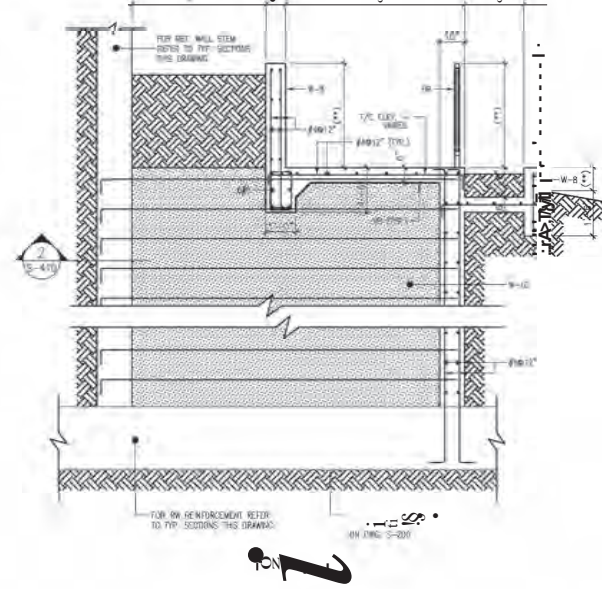
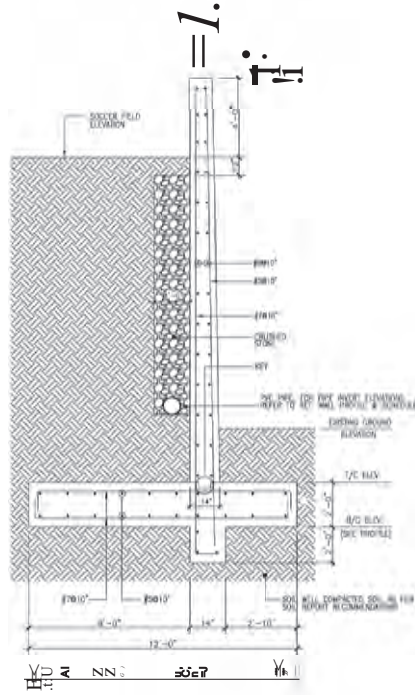
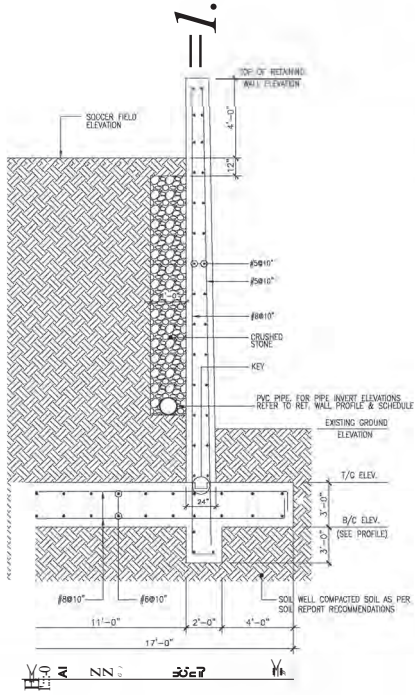
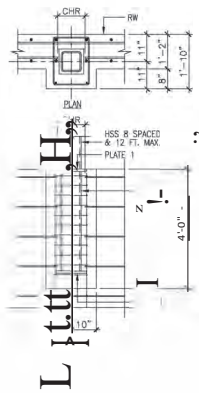
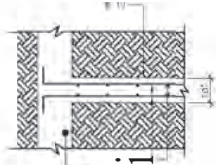




CONTROL JOINT SHALL  
A JOINT WITHIN JO. TO THE  
THE TOP OF FOOTING ON ?

ALL INTERIORS PROVIDE  
A 1/2" GASKET EXTEND JOINT FROM  
ICE THE WALL UP TO, OVER.

1/2" CONTROL JOINT SECTION



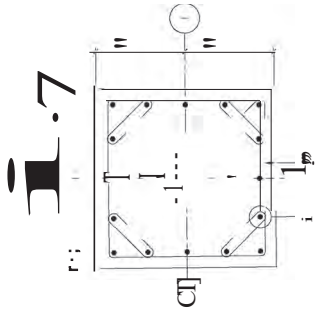
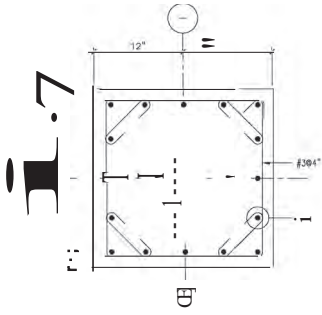
REVISIONS	AS SHOWN
1. REV.	AS SHOWN
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Prepared For:  
 SOCCER FIELD  
 MUNICIPALITY OF CASO ROLD  
 COMPLEJO DEPORTIVO REBEKAH COLBERG  
 CASO ROLD, 00623

RETAINING WALL SECTIONS & DETAILS

P & S CONSULTANTS  
 ARCHITECTURE  
 ENGINEERING  
 MANAGEMENT

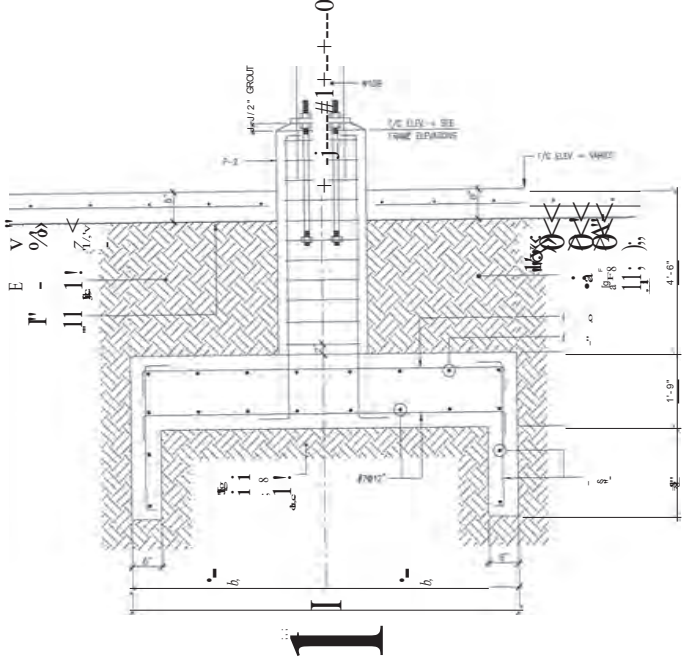
488 ROOSEVELT AVE. OFFICE 210-B  
 PHOENIX, AZ 85004  
 PHONE: 787.783.1436 Fax: 787.783.1909



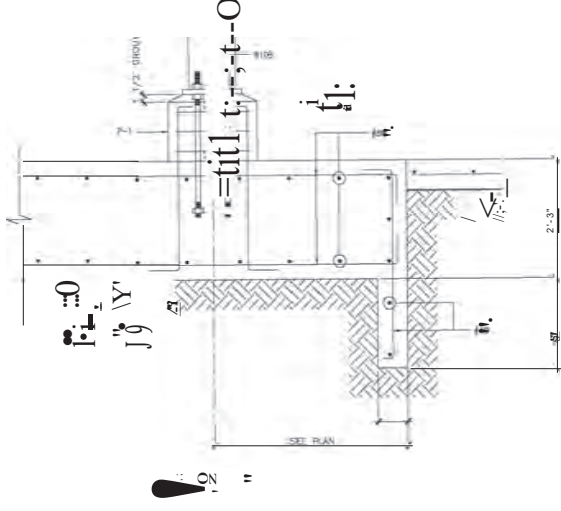
SECTION I-7  
 (SCALE: 1-1/2"=1'-0")



SECTION I-7  
 (SCALE: 1-1/2"=1'-0")



SECTION I-1



SECTION I-1

420

1 q 1 0 2

AS SHOWN

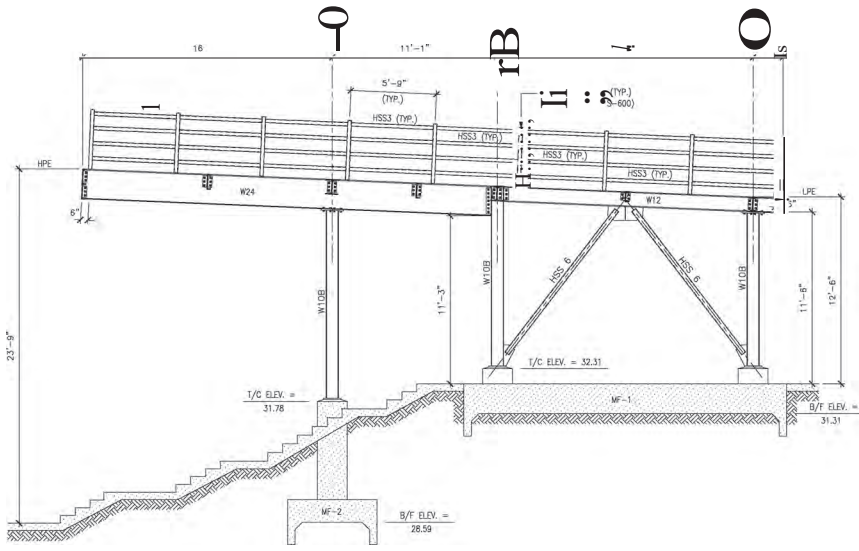
REVISIONS	DATE	BY	DESCRIPTION
1			IFC
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3			
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Prepared For:  
 SOCCER FIELD  
 MUNICIPALITY OF CABO ROJO  
 COMPLEJO DEPORTIVO REBEKAH COLBERG  
 CABO ROJO, 00623

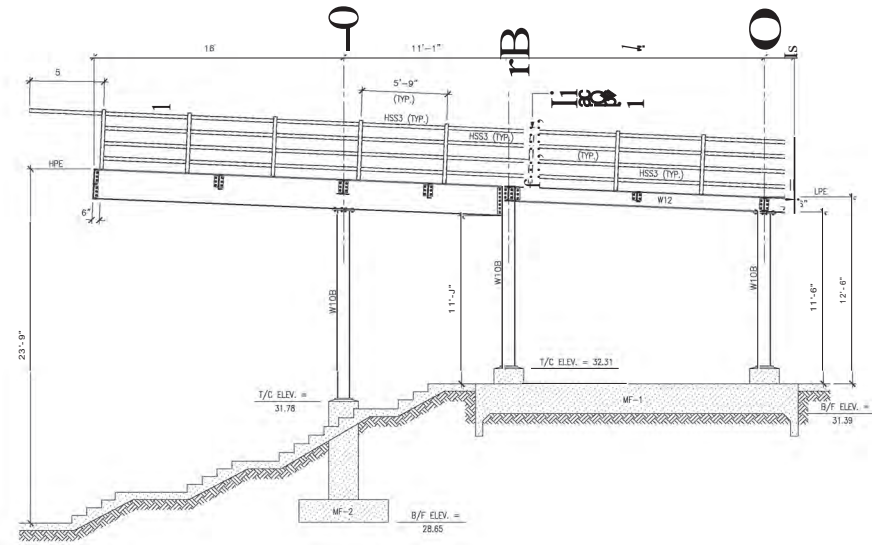
AS SHOWN | BLEACHERS FOUNDATION SECTIONS & DETAILS

P & S CONSULTANTS

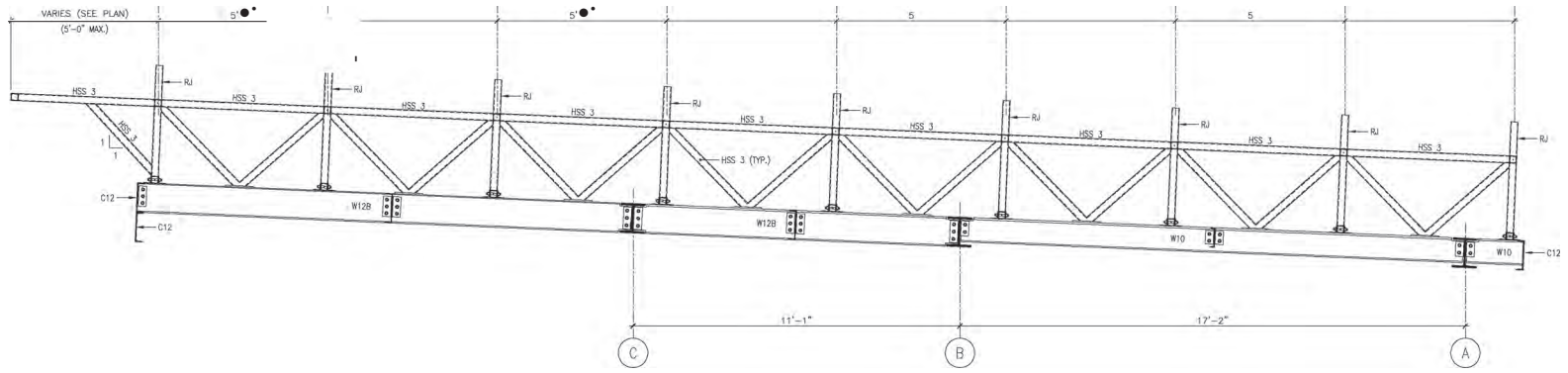
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 MANAGEMENT  
 1488 ROOSEVELT AVE. OFFICE 210-S  
 SAN JUAN, P.R. 00906  
 PHONE 787.783.1436 FAX 787.783.1809



FRAME ELEVAT  
 (SCALE: 1/4"=1'-0")



FRAME ELEVAT ALONG AX



SECTION 5

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SOCCER FIELD  
 MUNICIPALITY OF CABO RUIO  
 COMPLEJO DEPORTIVO REBEKAH COLBERG  
 CABO RUIO, 00623

Prepared For:

REVISIONS	DATE	DESCRIPTION
1		IFC
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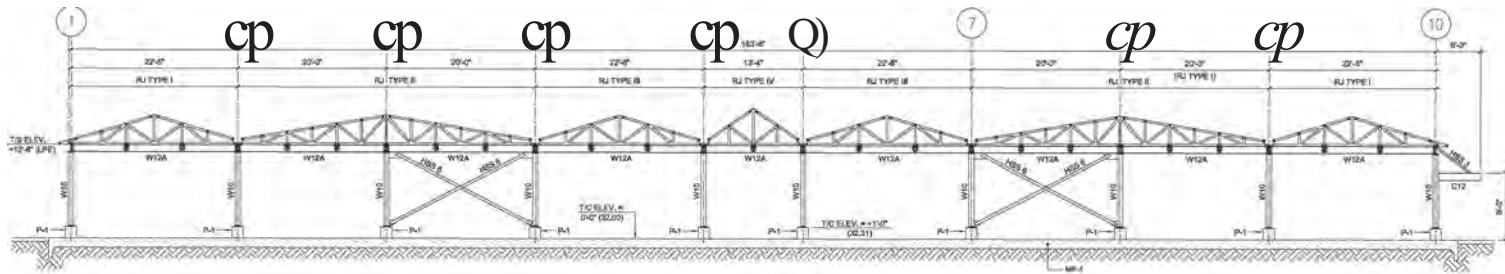
AS SHOWN

1/14/11

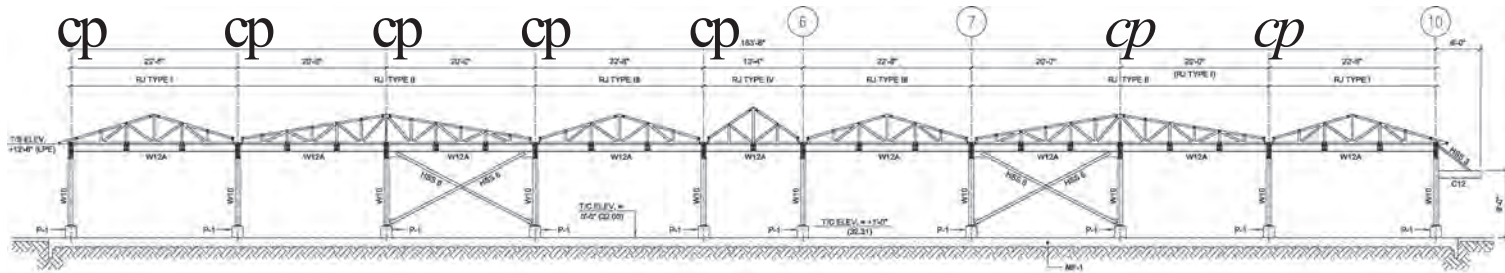
01500

BLEACHERS FRAME ELEVATIONS

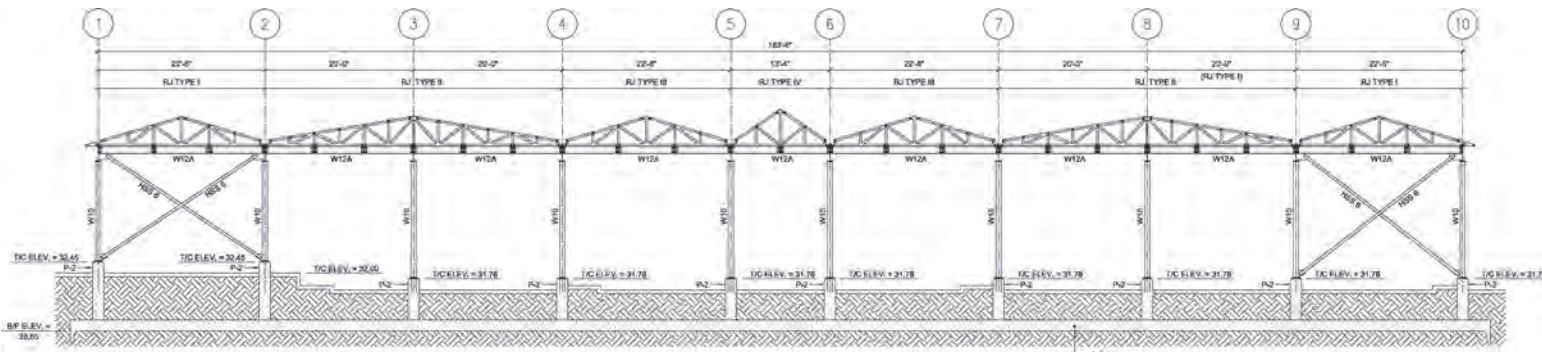




FRAME ELEVATION ALONG AXIS A  
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FRAME ELEVATION ALONG AXIS B  
SCALE: 1/8"=1'-0"



FRAME ELEVATION ALONG AXIS C  
SCALE: 1/8"=1'-0"

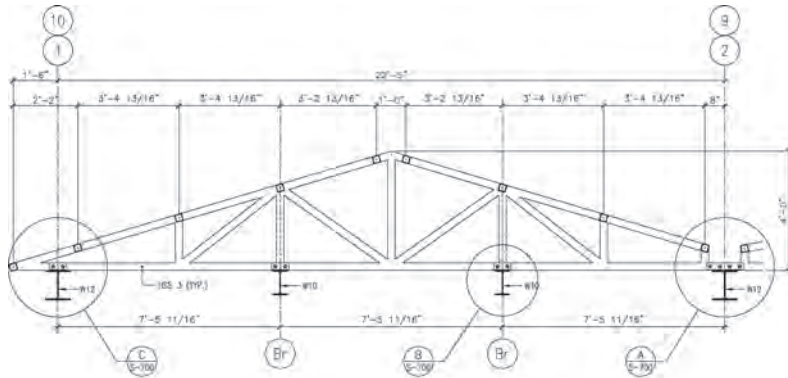
**P & S CONSULTANTS**  
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MANAGEMENT  
1400 ROOSEVELT AVE. OFFICE 210-DE  
1400 ROOSEVELT AVE. PROJECT 210-DE  
PHONE: 703-543-1431 FAX: 703-785-1068

SOCCER FIELD  
MUNICIPALITY OF CABO RIGIDO  
COMPLEJO DEPORTIVO REBEKAH COLBERG  
CABO RIGIDO, OREGON

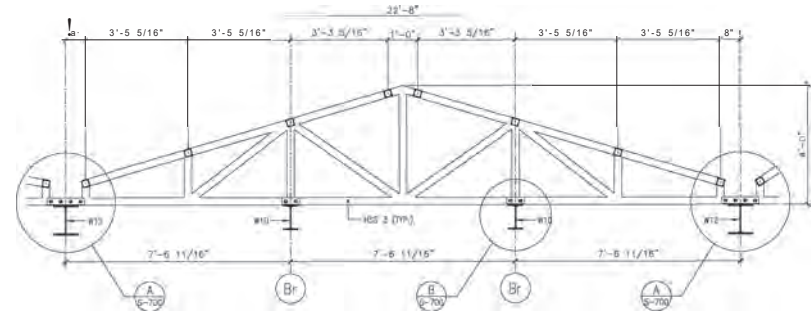
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DATE  
08/15/23  
DRAW BY:  
EFA

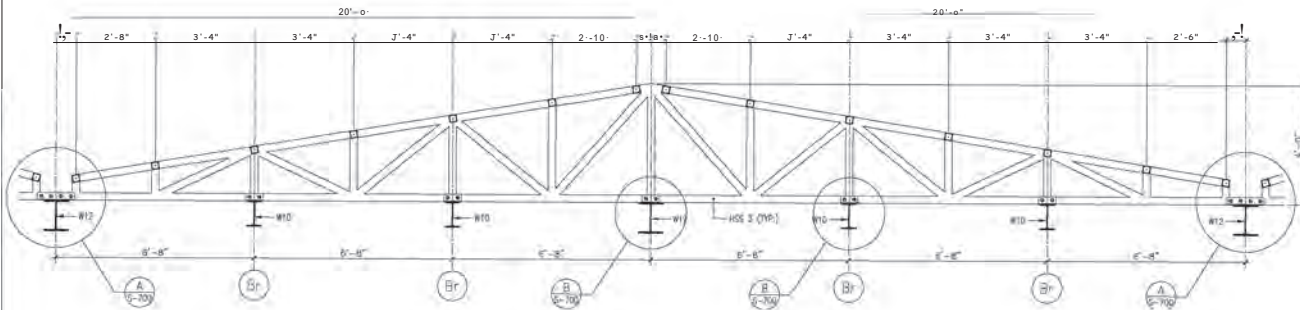
S-510



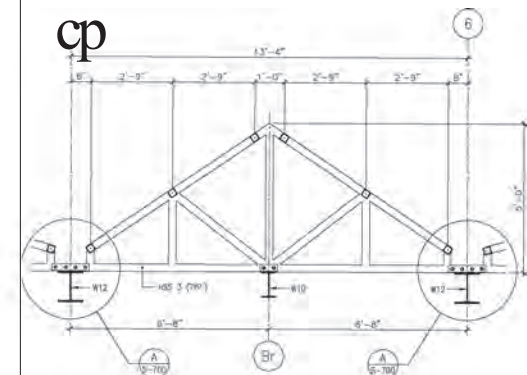
TYP. ROOF JOIST ELEVATION - TYPE I  
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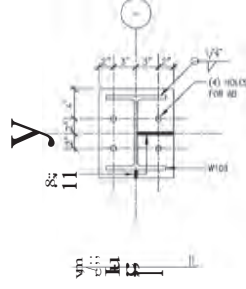
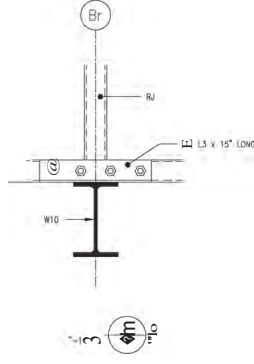
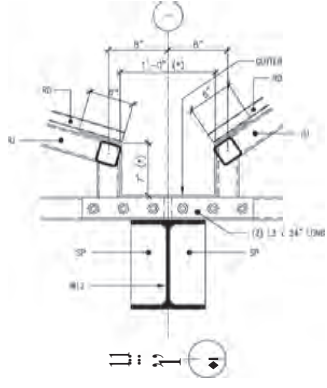
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TYP. ROOF JOIST ELEVATION - TYPE III  
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TYP. ROOF JOIST ELEVATION - TYPE IV  
 (SCALE: 1/2"=1'-0")



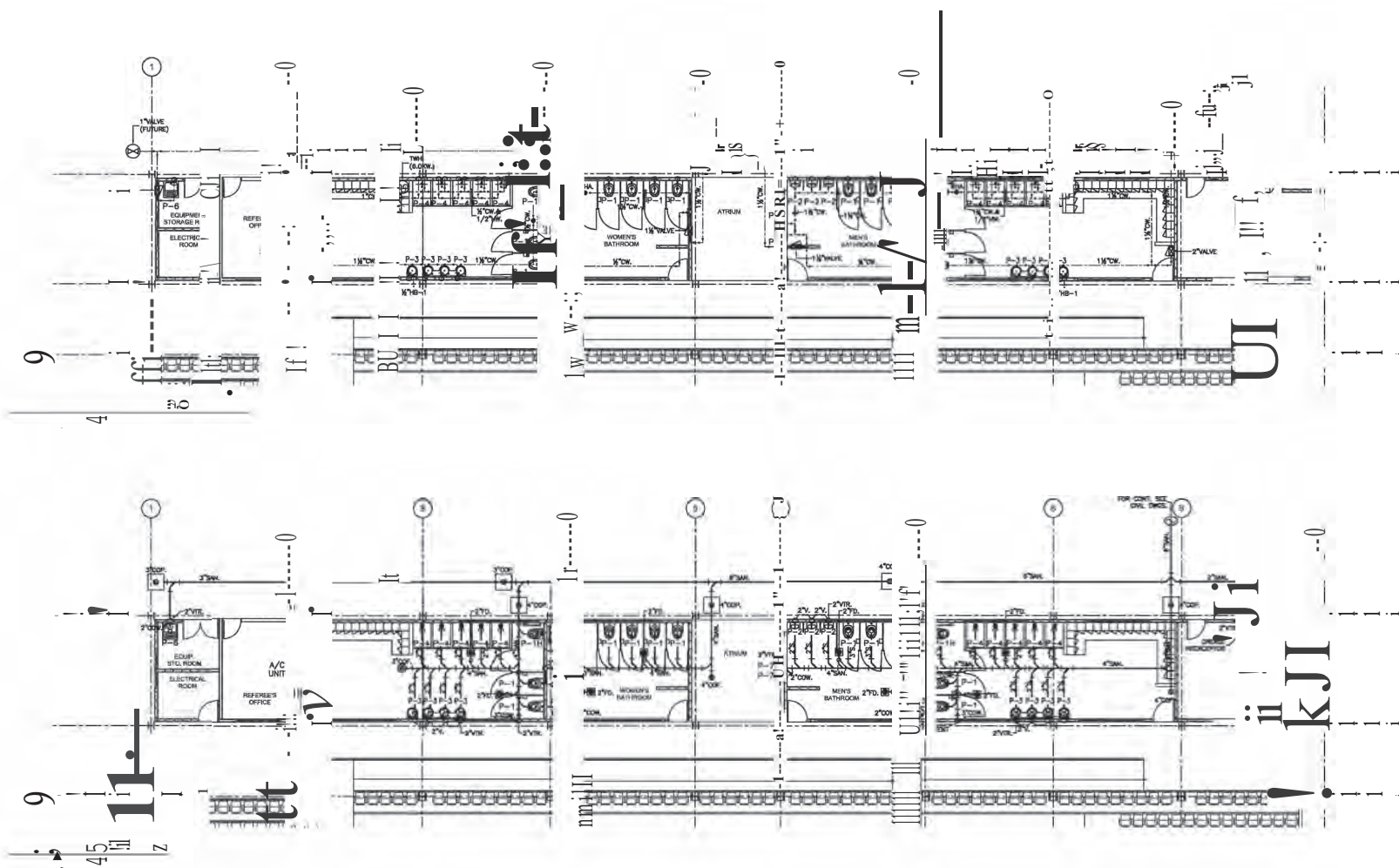
07/08	11/14	AS SHOWN	REVISIONS	Prepared For:	Soccer Field Municipality of Casco Roldo Complejo Deportivo Reberkah Colberg Casco Roldo, 00823	P & S CONSULTANTS
			1. FC			
			2.			
			3.			
			4.			
			SCALE	AS SHOWN	AS SHOWN	

BLEACHERS ROOF SECTIONS & DETAILS

148 ROSSFIELD AVE. OFFICE 210-B  
 GUNAWAN, NJ 07031  
 PHONE 767-783-1436 Fax 767-783-1909

P & S CONSULTANTS









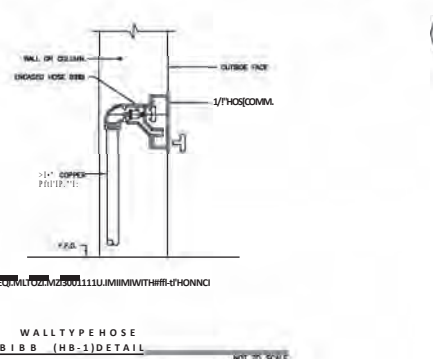
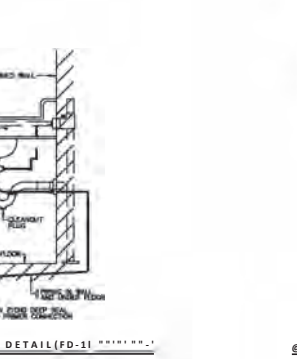
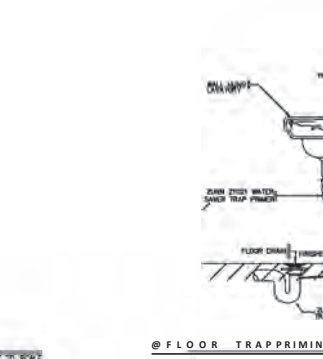
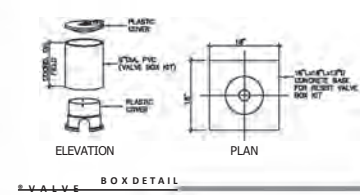
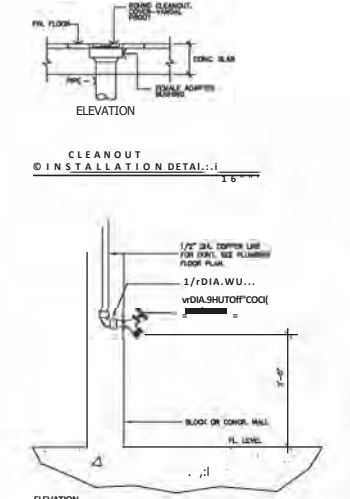
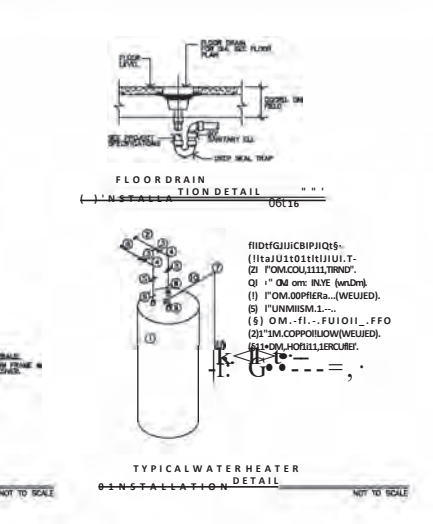
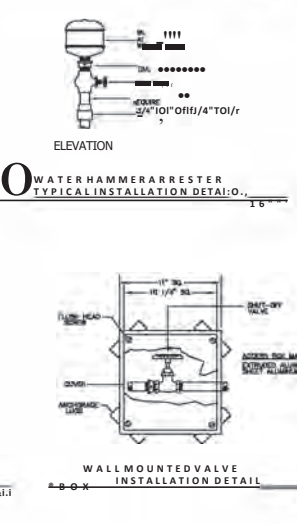
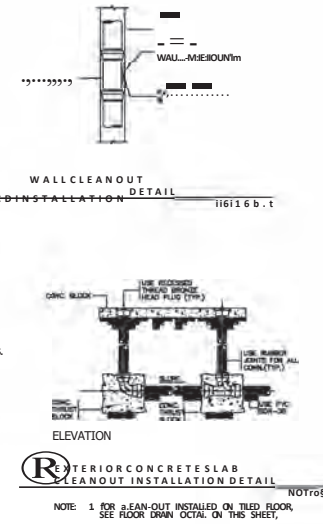
**PLUMBING GENERAL NOTES**

- ALL PLUMBING WORK SHALL BE IN STRICT ACCORDANCE WITH THE DEPARTMENT OF HEALTH OF P.R. THE PLUMBING AND BUILDING CODES, THE INTERNATIONAL PLUMBING CODE (2018 EDITION) AND THE SPECIFICATIONS ISSUED FOR THIS PROJECT.
- SIZES SHOWN IN FUTURE SCHEDULE ARE MINIMUM AND SHALL BE INCREASED AS NECESSARY TO COMPLY WITH CODES REQUIREMENTS OR AS SHOWN ON THESE DRAWINGS.
- ALL HORIZONTAL PORTIONS OF SOLID WASTE STACKS BRANCHES SHALL SLOPE 1/8" PER FOOT, EXCEPT FOR SIZES 12" SMALLER THAT SHALL BE 1/4" PER FOOT.
- OUTS SHALL BE OF THE SAME NOMINAL SIZE AS THE PIPE OR FLEXIBLE FITTING.
- CONTRACTOR SHALL FURNISH AND SET IN PLACE BEFORE CONCRETE POURING ALL NECESSARY SLEEVES FOR WARE OR SOLID COOLD OR HOT WATER LINES. THESE SLEEVES SHALL BE AS PER THE SPECIFICATIONS.
- PLUMBING CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF THE PIPING TO AVOID ANY INTERFERENCE WITH PIPING OR EQUIPMENT BEING INSTALLED BY OTHER CONTRACTORS.
- FOR FIXTURES AND/OR EQUIPMENT NOT LISTED IN THIS SCHEDULE, SEE THE SPECIFICATIONS.
- ALL ABOVE GROUND WATER PIPING SHALL BE TYPE "L" HARD DRAWN COPPER, SOLDER JOINTS.
- CLEANOUTS SHALL BE PLACED AS SHOWN ON DRAWINGS.
- ALL DRAINS TO BE CAST IRON UNITS AND ABOVE FLOOR SLICES AND VENTILATION LINES AT WALLS.
- 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.
- 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 PROPER FUNCTIONING AND OPERATION OF THE SYSTEM SHALL FORM PART OF THE WORK TO BE DONE BY THE CONTRACTOR.
- BIDDERS SHALL VISIT THE BUILDING AND ACQUAINT THEMSELVES WITH THE CONDITIONS AS THEY ACTUALLY EXIST AND VERIFY DIMENSIONS, LOCATIONS, AND DETAILS REQUIRED TO COMPLETE THE WORK. MATCH SHALL BE THE ONLY OPPORTUNITY FOR POTENTIAL CONTRACTOR TO SEE THE SITE. FAILURE TO VISIT PROJECT AREA WILL IN NO WAY RELIEVE THE SUCCESSFUL BIDDER OF FURNISHING ALL MATERIAL AND PERFORMING ALL WORK REQUIRED FOR THE COMPLETION OF THE CONTRACT. VISITS TO THE PROJECT AREA SHALL BE ARRANGED THROUGH THE CONTRACTING OFFICE.
- CONTRACTOR SHALL DISPOSE OF THE REMOVED ITEMS SELECTED BY OWNER FOR DISPOSAL AND SHALL STORE THE ITEMS SELECTED FOR SALVAGE IN A PLACE DESIGNATED BY OWNER. DISPOSAL SHALL BE PERFORMED IN ACCORDANCE WITH CURRENT LAWS AND REGULATIONS.
- THE CONTRACTOR SHALL USE MATERIALS FOR CUTTING AND PATCHING THAT ARE IDENTICAL TO EXISTING MATERIALS. BEFORE CUTTING, EXAMINE THE SURFACES TO BE CUT AND PATCHED AND THE CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED. IF UNSAFE OR OTHERWISE UNSATISFACTORY CONDITIONS ARE ENCOUNTERED, TAKE CORRECTIVE ACTION BEFORE PROCEEDING WITH THE WORK. CUT THE WORK USING SMALL POWER TOOLS DESIGNED FOR SAWING OR GRINDING, NOT HAMMERS AND CHIPPING. CUT THROUGH CONCRETE USING CUTTING MACHINES SUCH AS A CARBIDE BURRING WIRE OR CORE DRILL TO INSURE NEAT CUTS. RESTORE EXPOSED FINISHED OR PATCHED AREAS AND, WHERE NECESSARY, EXTEND FINISH RESTORATION INTO NEIGHBORING AREAS AND REFINISHING. WIDELY PATCHED OCCURS IN A SMOOTH PAINT SURFACES, EXTEND FINISH PART OVER ENTIRE UNFINISHED SURFACE CONTAINING PATCH. AFTER PATCHES ARE MADE REMOVE PRIME AND BASE COAT.
- CONTRACTOR SHALL CONSULT OWNER AS TO WORKING SPACE AND AREA FOR THE LOCATION OF STORAGE SHACK OR TOOLBOX STORAGE SPACE IN LIMITS AND POSSIBLE BE USE DISTANT. CONTRACTOR SHALL PROVIDE A TRAILER OR CONSTRUCT A STORAGE SHACK FOR SAFE KEEPING OF MATERIAL AND TOOLS.
- IF CONTRACTOR SHALL WITHOUT EXTRA CHARGE, MAKE REASONABLE MODIFICATIONS IN THE LAYOUT, AS NECESSARY, TO PREVENT CONFLICT WITH WORK OF OTHER TRADES OR FOR PROPER EXECUTION OF THE WORK.
- ALL EQUIPMENT AND MATERIAL SHALL BE INSTALLED WITH APPROVAL OF OWNER IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE MANUFACTURER.
- CONTRACTOR SHALL LOCATE ALL FULLY ACCESSIBLE POSITIONS ALL EQUIPMENT WHICH MUST BE SERVICED, OPERATED, OR MAINTAINED.
- WITH RESPECT TO EQUIPMENT AND PIPING, THE CONTRACTOR SHALL (1) EXISTING CONDITIONS AS THEY ARE, (2) MEASUREMENTS SHALL BE TAKEN AT THE TIME OF MEASUREMENTS. NO ALLOWANCES SHALL BE GRANTED BECAUSE OF DIFFERENCES BETWEEN ACTUAL DIMENSIONS AND THOSE INDICATED ON DRAWINGS. (3) MECHANICAL WORK SHALL BE COORDINATED WITH THE WORK OF OTHER TRADES.
- CONTRACTOR SHALL LEAVE ALL EXISTING WATER AND SANITARY FACILITIES PRIOR TO START OF WORK.
- CONTRACTOR SHALL INSTALL A GATE VALVE IN EACH ABOVE GROUND WATER LINE BEFORE ENTERING THE BUILDING TO ISOLATE THE AREA FROM THE OTHERS.

PIPING MATERIAL SCHEDULE	
SERVICE	PIPE MATERIAL
COLD WATER - ABOVE GROUND	COPPER TYPE L - ASTM B 88M
COLD WATER - UNDER GROUND	COPPER TYPE K - ASTM B 88M
HOT WATER - ABOVE GROUND	COPPER TYPE L - ASTM B 88M
HOT WATER - UNDER GROUND	COPPER TYPE K - ASTM B 88M
SANITARY - ABOVE GROUND	PVC SCH. 40 - ASTM D 2682
SANITARY - UNDER GROUND	PVC SCH. 40 - ASTM D 2682
STORM SEWER - ABOVE GROUND	PVC SCH. 40 - ASTM D 2682
STORM SEWER - UNDER GROUND	PVC SCH. 40 - ASTM D 2682
VENT - ABOVE GROUND	PVC SCH. 40 - ASTM D 2682
A/C CONDENSATE - ABOVE GROUND	PVC SCH. 40 - ASTM D 2682 WITH INSULATION

PLUMBING FIXTURES SCHEDULE										
DESIGNATION	DESCRIPTIONS	TRAP	VENT	WATER SUPPLY			FIXTURE	REMARKS		
				COLD	HOT	COLD			HOT	
P-1	WATER CLOSET	✓	1 1/2"	1/2"	1/2"	1/2"	SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.			
P-1H	WADONPED WATER CLOSET	✓	1 1/2"	1/2"	1/2"	1/2"	SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.			
P-2	URINAL	1 1/4"	1 1/2"	1/2"	1/2"	1/2"	SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.			
P-3	LAVATORY	1 1/4"	1 1/2"	1/2"	1/2"	3/8"	SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.			
P-4	WASH SINK	1 1/4"	1 1/2"	1/2"	1/2"	1/2"	SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.			
P-5	KITCHEN SINK	1 1/2"	1 1/2"	1/2"	1/2"	1/2"	SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.			
P-6	SERVICES SINK	1"	1 1/2"	1/2"	1/2"	1/2"	SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.			
P-7	WASH SINK	-	-	1/2"	-	1/2"	SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.			
IWH	INLET WATER	-	-	1/4"	-	3/4"	8 KW			
FD	FLOOR DRAIN	SEED"	-	-	-	-	J.R. SMITH MOD. 2020, FOR SIZE SEE PLUMBING DRAWINGS.			
W	a.EANOUT- WALL	SEED"	-	-	-	-	J.R. SMITH MOD. 4022 FOR SIZE SEE PLUMBING DRAWINGS.			
W	LEANOUT-FLOOR	SEE DIM	-	-	-	-	J.R. SMITH MOD. 4020, FOR SIZE SEE PLUMBING DRAWINGS.			
W	a.EANOUT- PLUG	SEE O.D.	-	-	-	-	PVC COVER FOR NON HAZARDOUS AREAS AND BRONZE CO FOR HAZARDOUS AND HAZARDOUS AREAS.			

- PLUMBING LEGEND:**
- COOPER ABOVE WATER LINE - DIAMETER AS INDICATED
  - PLUMBING COPPER (WELDED) ELBOW
  - PLUMBING COPPER (WELDED) ELBOW TURNED DOWN
  - SHUT-OFF VALVE
  - HOSE ELBOW - DIAMETER AS INDICATED
  - SANITARY 1.1/2" DIAMETER AS INDICATED
  - SANITARY 1.0" LINE - DIAMETER AS INDICATED
  - 1.1/2" LONG TURN ELBOW - DIAMETER AS INDICATED
  - 45° SINGLE - DIAMETER AS INDICATED
  - 4" WE BRANCH WITH SILET FOR 1.1/2" DIAMETER AS INDICATED
  - CLEANOUT FLOOR WITH WALL (COF) AT 12" ABOVE FINISH FLOOR - DIAMETER AS INDICATED
  - CLEANOUT FLOOR WITH PLUG (COP) AND CONCRETE BLOCK DIAMETER AS INDICATED
  - TRAP SEE DETAIL ON O.M.
  - POINT OF CONNECTION (TIE-IN) NUMBER INDICATES NUMBER OF CONNECTIONS
  - INDICATES PLUMBING TRADE DESIGNATION - SEE PLUMBING FIXTURES SCHEDULE



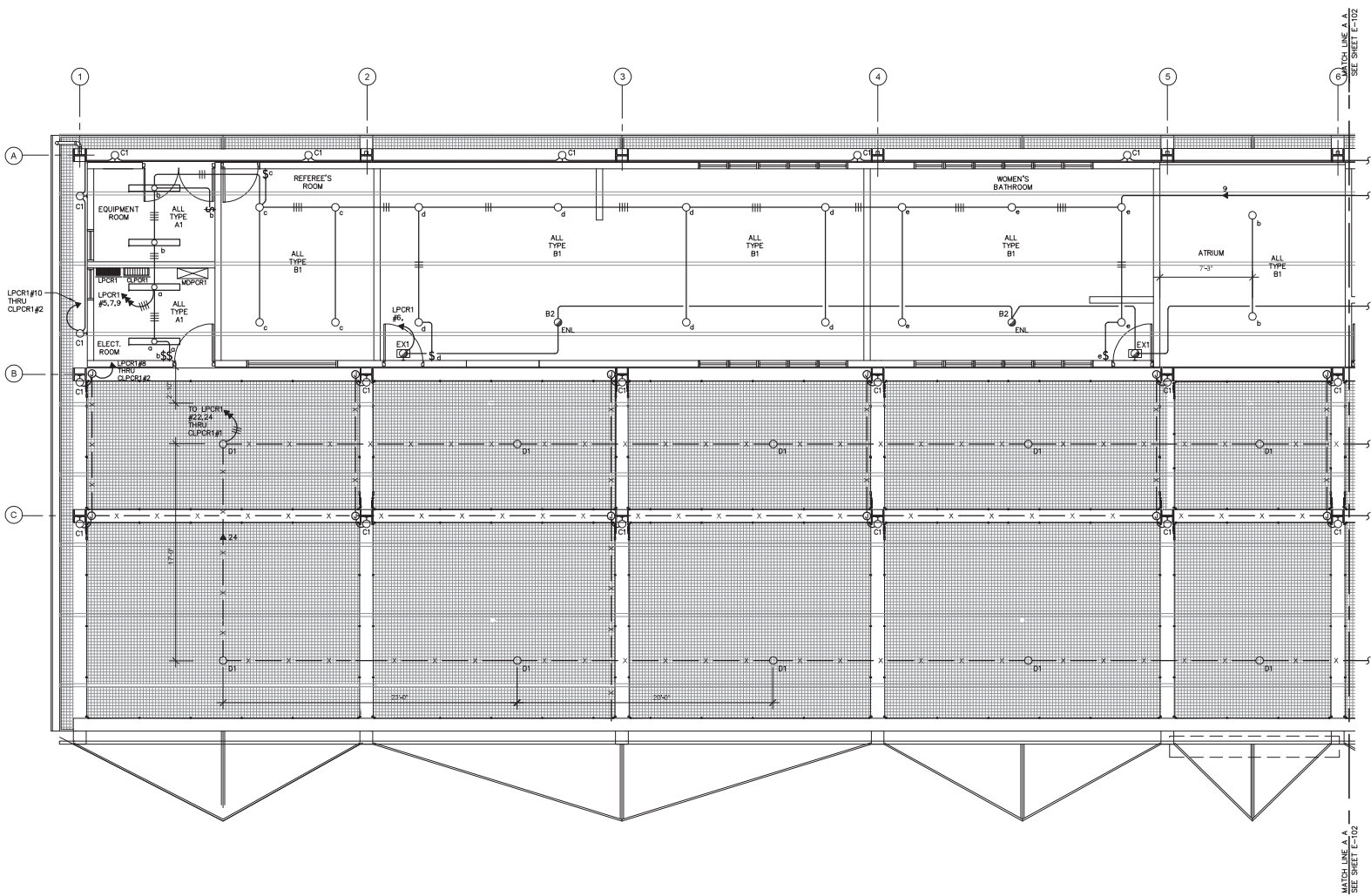
**P & S CONSULTANTS**  
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DATE: JUNE 03 2023  
 DRAWN BY: JOCASIO  
 P-3.01



C:\Users\jcasio\OneDrive\Documents\2023\2023-06-03\2023-06-03 P&S\1.01.dwg (Title) (Date: 11/23/2023 10:44:46 AM) (Author: JCS)

2023-02 ID - \\MILIO\compu de jua\PROYECTOS NUEVOS Y REVISADOS-2023\2023-02\_Parcas de Soccer de Soccer-Jul-19-23\NIVOS ELECTRICAS-E-101 PARTIAL LIGHTING (P)Parq.dag - Mod. 7/19/2023 - 10:37 AM

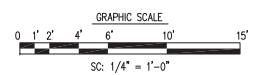


**PARTIAL LIGHTING FLOOR PLAN**  
SCALE: 1/4" = 1'-0"

**NOTE:**  
1-TYPE B1 FIXTURES SHOWN BELOW BLEACHER TO ILLUMINATE THIS AREA.

TO CONTINUE SHEET E-102 (TYPICAL)

MATCH LINE A-A SEE SHEET E-102  
MATCH LINE A-A SEE SHEET E-102



**RICARDO RODRIGUEZ DEL VALLE**  
INGENIEROS CONSULTORES, CSP  
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Prepared For:  
CAMPO DE SOCCER PR-CRP-000518  
MUNICIPALITY OF CABO ROJO  
COMPLEJO DEPORTIVO REBEKAH COLBERG  
CABO ROJO, P.R. 00623

REVISIONS
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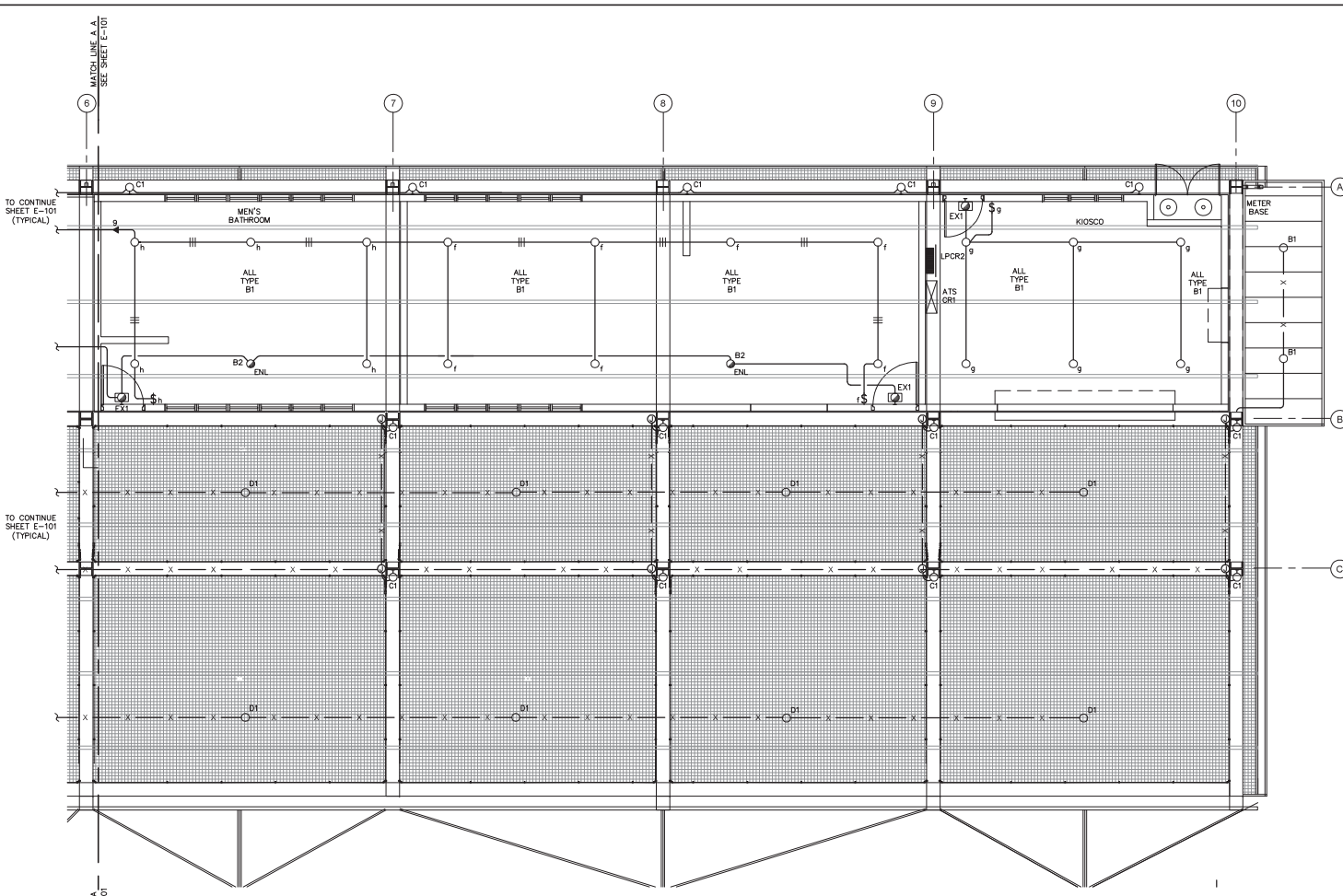
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**JUL 19 2023**  
DRAW BY:  
**J.B.A**

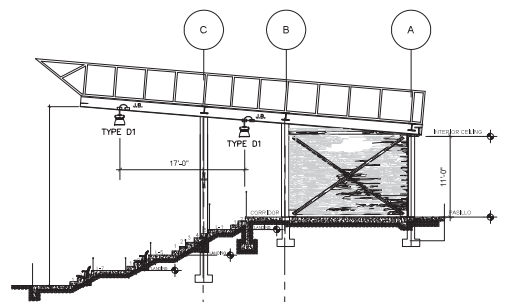
**E-101**

PARTIAL LIGHTING FLOOR PLAN

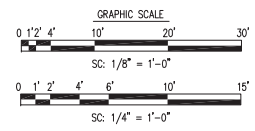
2023-02 ID - \\JULIO\compul de julo\PROYECTOS NUEVOS Y REVISADOS-2023\2023-02 PARTIAL LIGHTING P&S\p&s.dwg - mod. 7/19/2023 - 10:39 AM



**PARTIAL LIGHTING FLOOR PLAN**  
SCALE: 1/4"=1'-0"



**INSTALLATION DETAIL**  
SCALE: 1/8"=1'-0"



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E=jrodriguez@p&sdesign.com,  
OU=Ingenieros Consultores, S.L.,  
CN=Ricardo Rodriguez Vicens, 19432 PE,  
C=Estado de Puerto Rico,  
S=Puerto Rico, CN=Reason 1  
Reason 1 am approving this  
document  
Date: 2023.07.20  
10:43:20-0700

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MUNICIPALITY OF CABO ROJO  
COMPLEJO DEPORTIVO REBEKAH COLBERG  
CABO ROJO, P.R. 00623

PARTIAL LIGHTING FLOOR PLAN

**REVISIONS**

NO.	DESCRIPTION	DATE
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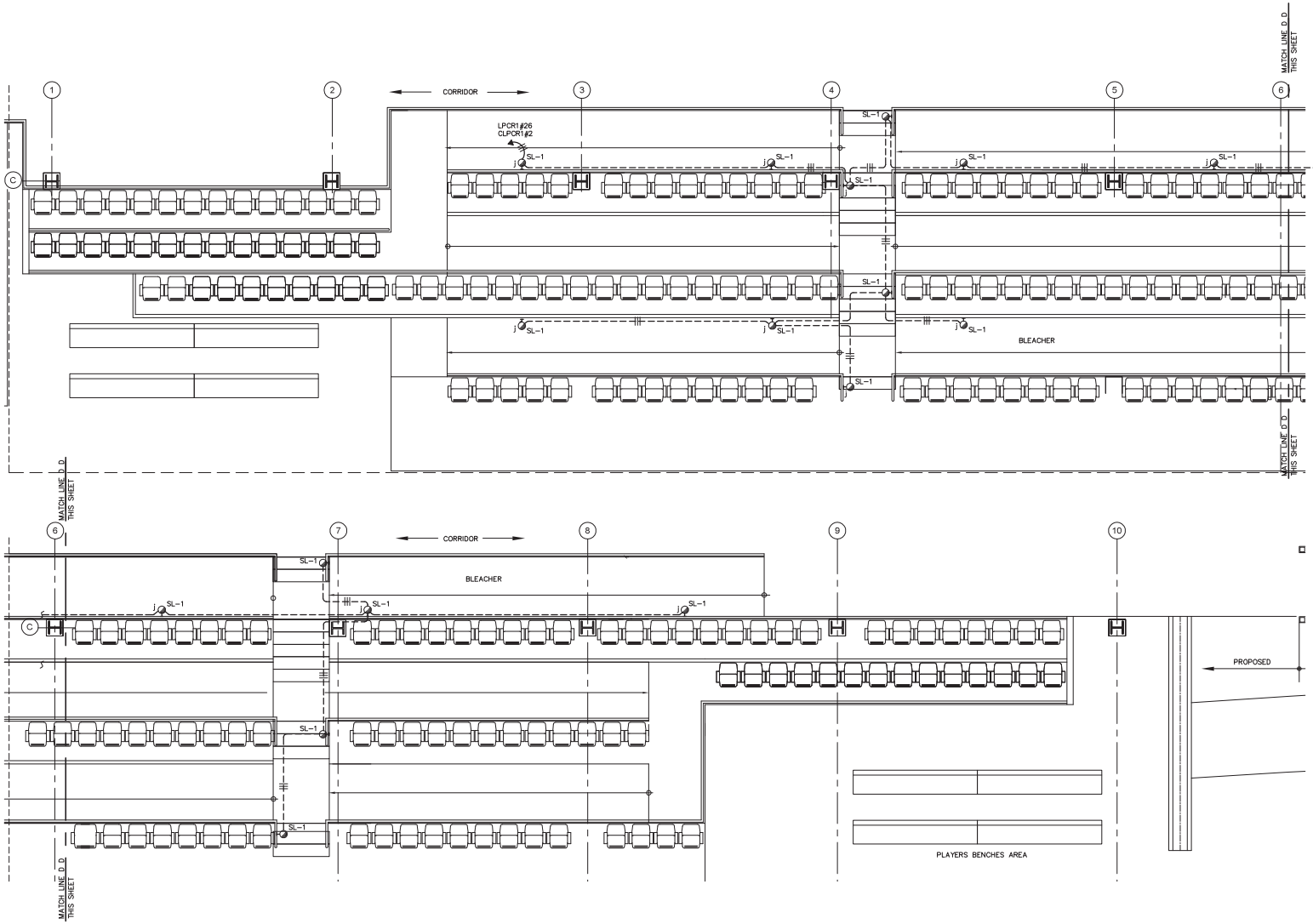
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DATE  
**JUL 19 2023**  
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**J.B.A**

**E-102**

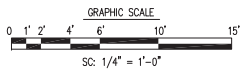


2023-02 ID = \\JULIO\compu de j...PROYECTOS NUEVOS Y REVISADOS-2023\2023-02\_Parques de Soccer-Jul-19-23\NVDIAS ELECTRICAS-E-103 PARTIAL LIGHTING FLOOR PLAN.dwg - Wed, 7/19/2023 - 10:41 AM



PARTIAL LIGHTING FLOOR PLAN  
SCALE: 1/4" = 1'-0"

NOTE:  
1- CONDUCTOR FOR STEP LIGHTS TO BE #10 THWN-2 COPPER CONDUCTOR MINIMUM.



RICARDO RODRIGUEZ DEL VALLE  
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NOTA DE CONSTRUCCION DE PLANO ELECTRICOS (EN ESPAÑOL)  
Este plano muestra la ubicacion de los dispositivos de iluminacion propuestos para el proyecto de construcion de la cancha de futbol de Guaynabo, P.R. Se debe verificar que el sistema de iluminacion propuesto cumpla con los requisitos de iluminacion establecidos en el Reglamento de Iluminacion de Edificios de la Junta de Planificacion y Administracion de Puerto Rico (J.A.P.R.) y en el Reglamento de Iluminacion de Edificios de la Junta de Planificacion y Administracion de Puerto Rico (J.A.P.R.).  
Se debe verificar que el sistema de iluminacion propuesto cumpla con los requisitos de iluminacion establecidos en el Reglamento de Iluminacion de Edificios de la Junta de Planificacion y Administracion de Puerto Rico (J.A.P.R.) y en el Reglamento de Iluminacion de Edificios de la Junta de Planificacion y Administracion de Puerto Rico (J.A.P.R.).  
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COMPLEJO DEPORTIVO REBEKAH COLBERG  
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PARTIAL LIGHTING FLOOR PLAN

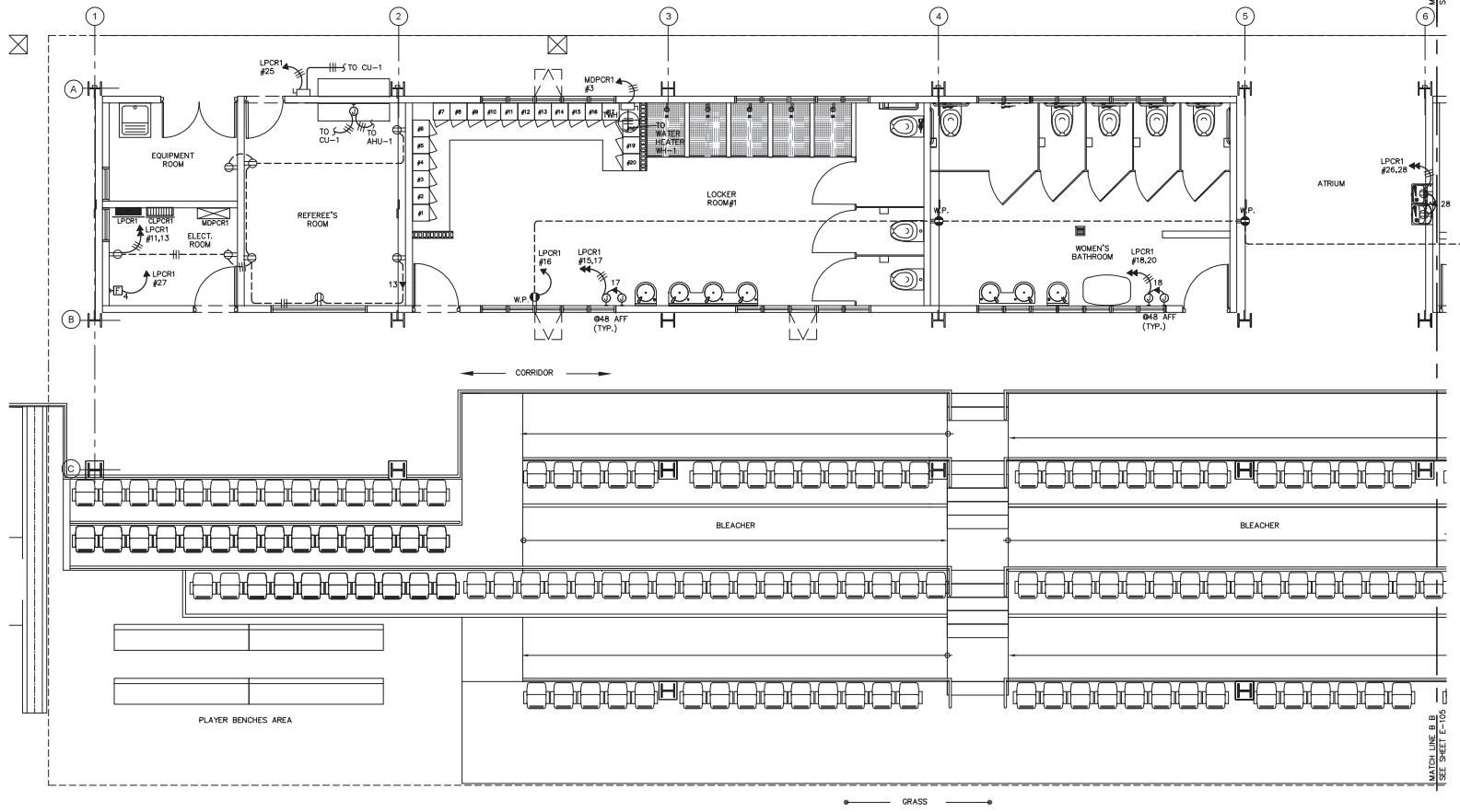
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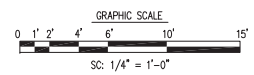
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E-103

2023-02 ID - \\ALUO\compu de jabo\PROYECTOS NUEVOS Y REVISADOS-2023\2023-02\_Parcas de Soccer-Jul-19-23\NUNOS ELECTRICAS-E-104 PARTIAL POWER FLOOR PLAN (2.dwg) - Mod. 7/19/2023 - 10:42 AM



PARTIAL POWER FLOOR PLAN  
SCALE: 1/4" = 1'-0"




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 E=jrodriguez@jrodriguez.com,  
 OU=Ingenieros Consultores, CSP,  
 CN=Ricardo del Valle,  
 C=Puerto Rico, CN=Ingenieros y Arquitectos de Puerto Rico,  
 O=Ingenieros y Arquitectos de Puerto Rico, CN=Ingenieros y Arquitectos de Puerto Rico  
 Date: 2023.07.20 10:43:00-0700

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PREPARED FOR: CAMPO DE SOCCER PR, CRP-000518  
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DATE: JUL 19 2023  
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SCALE: AS SHOWN

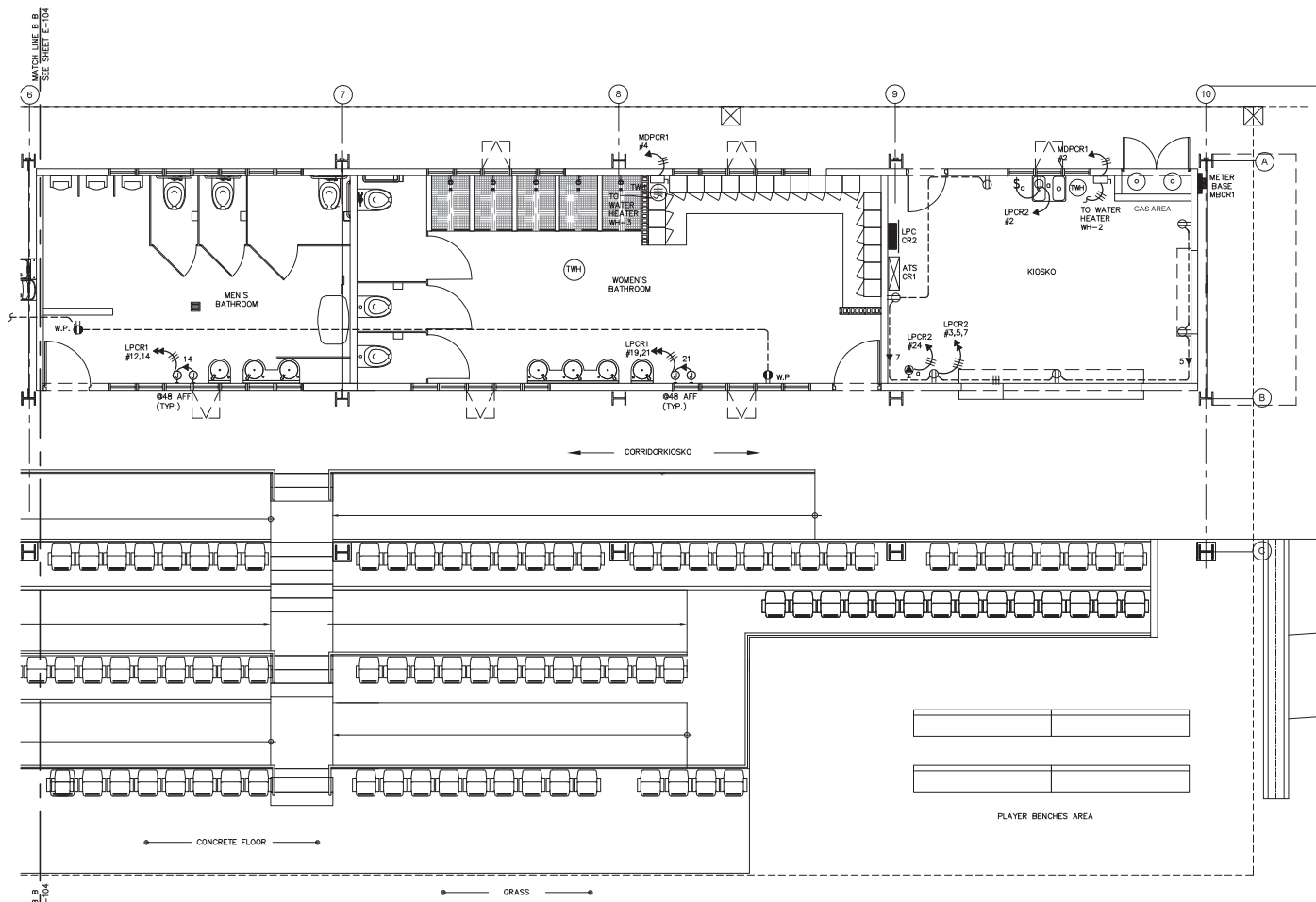
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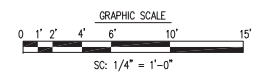
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**E-104**

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**PARTIAL POWER FLOOR PLAN**  
SCALE: 1/4" = 1'-0"



**RICARDO RODRIGUEZ DEL VALLE**  
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CABO ROJO, P.R. 00623

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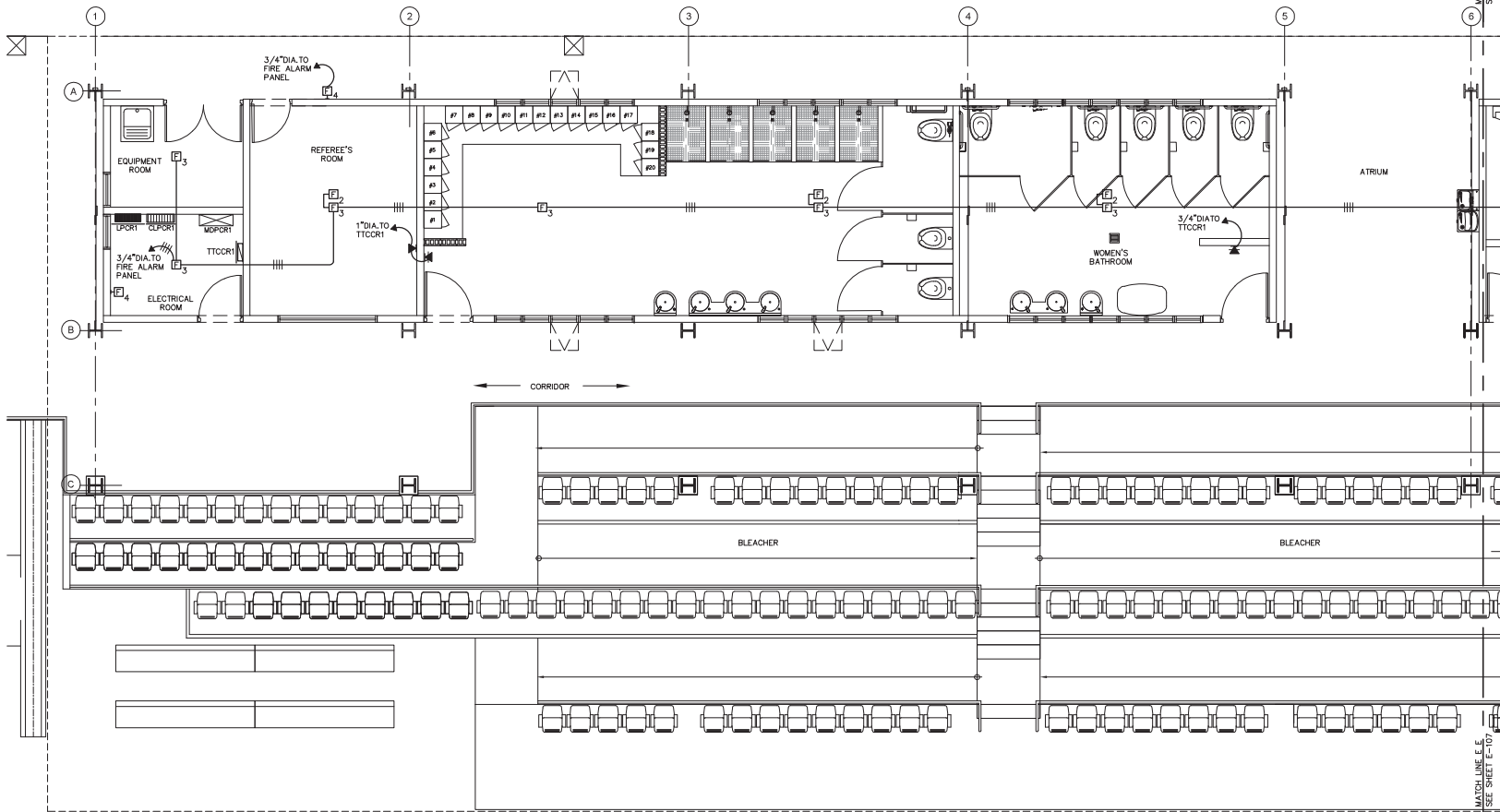
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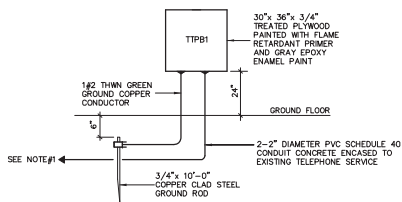
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**E-105**

PARTIAL POWER FLOOR PLAN



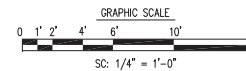
PARTIAL SIGNALS FLOOR PLAN  
SCALE: 1/4" = 1'-0"



TELEPHONE RISER DIAGRAM  
N.T.S.

NOTE:

- 1- TO TELEPHONE SERVICE RISER TO EXISTING TELEPHONE UNDERGROUND DISTRIBUTION TO TELECOMMUNICATIONS SERVICE PROVIDER SPlice BOX, CONTRACTOR TO COORDINATE ALL WORK WITH EXISTING CONDITIONS AND ARCHITECT/ENGINEER AS REQUIRED.



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PROYECTO: CAMPO DE SOCCER PR CRP-000516  
MUNICIPALIDAD DE CABO ROJO  
COMPLEJO DEPORTIVO REBEKAH COLBERG  
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CAMPO DE SOCCER PR CRP-000516  
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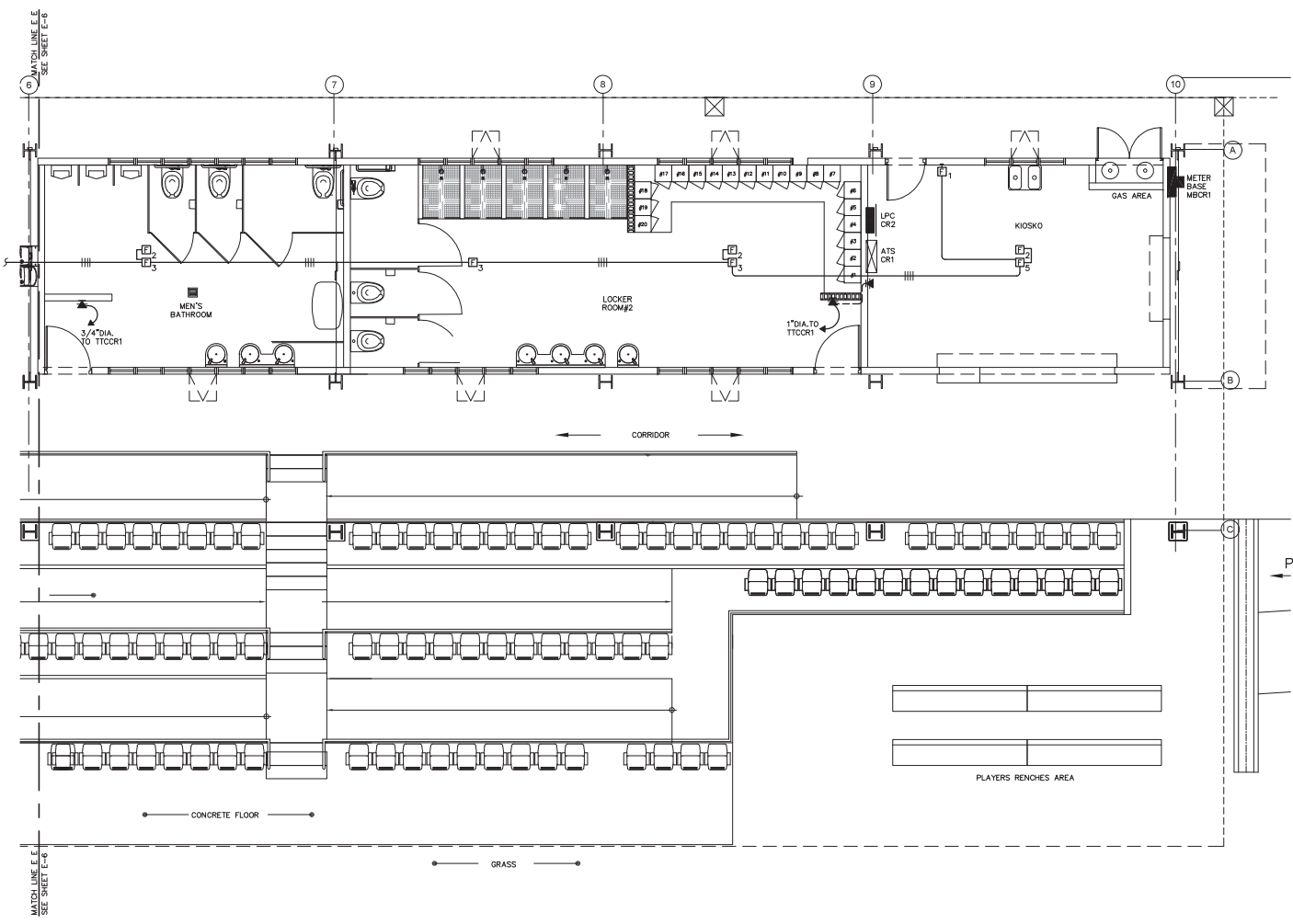
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J.B.A

E-106

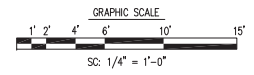
PARTIAL SIGNALS FLOOR PLAN



2023-02 ID - \\JULIO\compu de julo\PROYECTOS NUEVOS Y REVISADOS-2023\2023-02\_Parcas de Soccer-Jul-19-23\NUEVOS ELECTRICAS\E-107 PARTIAL SIGNAL FLOOR PLAN.dwg - Mod. 7/19/2023 - 10:48 AM



**PARTIAL SIGNALS FLOOR PLAN**  
SCALE: 1/4"=1'-0"



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Prepared For:  
CAMPO DE SOCCER PR-CRP-000518  
MUNICIPALITY OF CABO ROJO  
COMPLEJO DEPORTIVO REBEKAH COLBERG  
CABO ROJO, P.R. 00623

REVISIONS	SCALE: AS SHOWN
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**PARTIAL SIGNALS FLOOR PLAN**

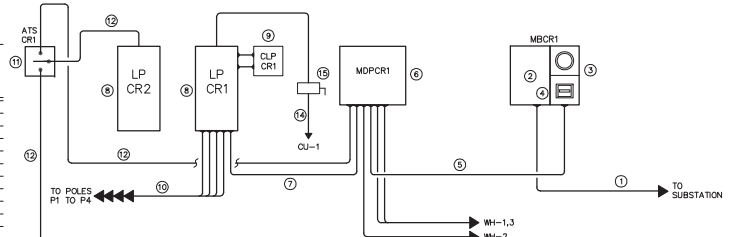
DATE  
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**J.B.A**

**E-107**

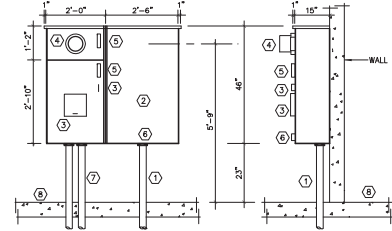
**LIGHTING FIXTURE AND LAMP SCHEDULE**

DESIGNATION	FIXTURE				LAMPS				GENERAL REMARKS
	TYPE	MOUNTING	CLOSURE	REMARKS	TYPE	QTY.	WATTS	REMARKS	
A	INDUSTRIAL	SURFACE OR PENDANT	NARROW ACRYLIC LENS.	3.58 HIGH, 3.44 WIDE, 48.47" LONG DIE FORMED 16 GA. COIL ROLLED STEEL FINISHED IN POLYESTER BAKED WHITE. U. L. LISTED.	LED	LOT	50W	120 VOLTS ELECTRONIC DRIVER.	
B1	INDUSTRIAL	SURFACE	U. V. STABILIZED INJECTION MOLD POLYCARBONATE LENS, 1/8" WALL THICKEN'S CLEAR PRISMATIC W/TORX SCREW.	8.13" HIGH, 12.11" WIDE, 12GA DIE FORMED ALUMINUM. FINISHED IN ELECTROSTATICALLY APPLIED POLYESTER POWDER COAT PAINT. U. L. LISTED.	LED	LOT	33	120 VOLTS ELECTRONIC DRIVER. NON DIMMING.	
C1	INDUSTRIAL	WALL	ONE PIECE INJECTION MOLDED UV STABILIZED PRISMATIC POLYCARBONATE.	6.25" WIDE, 60 HIGH, 8.69" LONG ALUMINUM HOUSING CONTINUOUSLY WELD TO PROVIDE WATER TIGHT CONSTRUCTION FINISHED TN IN POLYESTER POWDER COAT. U. L. LISTED.	LED	LOT	15	120 VOLTS ELECTRONIC DRIVER.	
D1	INDUSTRIAL	PENDANT	PRISMATIC ACRYLIC-POLYCARBONATE COMPATIBILITY TABLE SUITABLE FOR OUT DOOR MOUNTING.	10" ROUND, 6" HIGH (WITH BATTERY PENDANT MOUNTED). ALUMINUM HEAT-SINK SPECULAR ALUMINUM REFLECTOR, PENDANT MOUNTED, WITH GLASS LED PROTECTOR. U. L. LISTED.	LED	LOT	84	120 VOLTS UNIVERSAL DRIVER NON DIMMING.	TO BE USED AT "GRADAS" USE DETAIL SHEET E-102.
SL	COMMERCIAL	WALL OR STEP	RIBBED DESIGN WITH BLACK ALUMINUM FRAME MATTE BLACK.	5.50" H 11.50" LONG, 2.125" DEEP DIE CAST ALUMINUM HOUSING WITH ALUMINUM FACE PLATE SUITABLE FOR WEST LOCATION. U. L. LISTED.	LED	LOT	8	120 VOLTS ELECTRONIC DRIVER.	
EX1	INDUSTRIAL	WALL	LETTERS 6" HIGH WITH 3/4" STROKE. RED.	B-3/4" HEIGHT, 13-7/8" LONG, 3" DEEP CAST ALUMINUM CONSTRUCTION WITH BATTERIES AND CHARGER. U. L. LISTED.	LED	LOT	.7	120 VOLTS CHARGER WITH NICKEL CADMIUM BATTERIES.	



**PANEL RISER DIAGRAM**  
N.T.S.

- LEGEND: PANEL RISER**
- ① MAIN FEEDER TO BE 4 # 500CM RHH RHW AND 1 # 1/0 THW-2 GREEN GROUND CONDUCTOR IN 4" DIAMETER CONCRETE ENCASED PVC SCHEDULE 40 CONDUIT.
  - ② METER BASE WITH SPACE FOR CTS FOR BILLING METERING.
  - ③ METER BASE AS PER LUMA ENERGY.
  - ④ MAIN MOLDED CASE CIRCUIT BREAKER 400 AMPERES FRAME 400 AMPERE TRIP 3 POLES.
  - ⑤ FEEDER TO MOPCR1 TO BE SAME AS ITEM 1 OF THIS LEGEND.
  - ⑥ MOPCR1 SEE SCHEDULE THIS SHEET.
  - ⑦ FEEDER TO LPOR1 TO BE 4 # 2/0 THW-2 AND 1 # 2/0 THW-2 GREEN GROUND CONDUCTOR IN 2-1/2" DIAMETER EMT CONDUIT.
  - ⑧ PANEL LPOR1 AND LPOR2. SEE SCHEDULES THIS SHEET.
  - ⑨ CONTACTOR SEE NOTE#1 BELOW.
  - ⑩ FEEDER TO LIGHTING POLES TO BE 3 # 8 RHH RHW AND 1 # 10 THW-2 GREEN GROUND CONDUCTOR IN 1-1/2" DIAMETER CONCRETE ENCASED PVC SCHEDULE 40 CONDUIT.
  - ⑪ AUTOMATIC TRANSFER SWITCH ATSCR1 120/208 VOLTS 3 POLE 4 WIRE 100 AMPERES.
  - ⑫ FEEDER TO GENERATOR FROM AUTOMATIC TRANSFER SWITCH TO BE 4 # 2 THW-2 AND 1 # 4 THW-2 GREEN GROUND CONDUCTOR IN 1-1/2" DIAMETER PVC SCHEDULE 40 CONDUIT CONCRETE ENCASED.
  - ⑬ ENGINE-GENERATOR SET 30KW 120/208 VOLTS 3 PHASE 4 WIRE 60HZ TO SERVE KIOSK.
  - ⑭ FEEDER TO CU-1 TO BE 2 # 10 THW-2 AND 1 # 10 THW-2 GREEN GROUND CONDUCTOR IN 3/4" DIAMETER R.G.S. CONDUIT.
  - ⑮ DISCONNECT SWITCH TO BE 250 VOLTS 30 AMPERES 2 POLES NEMA 3R. MOUNTED AT 54" AFF.
- NOTE: PANEL RISER**
- 1- CONTACTOR TO BE EATON C30CN-C-04-C-58-6A-1 WITH TWO (2) MOMENTARY CONTACT SWITCHES AT FACE OF CONTACTOR BANK (ONE FOR WALL MOUNTED FIXTURES AND OTHER FOR GRANDSTANDS FIXTURES).



**METER BANK MBCR1 DETAIL**  
SCALE: 1/2" = 1'-0"

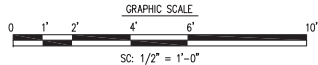
- LEGEND: METER BANK MBCR1 DETAIL**
- ① INCOMING FEEDER FROM TRANSCLASURE.
  - ② SPACE FOR CTS AND PITS FOR LUMA ENERGY BILLING METERING.
  - ③ MAIN CIRCUIT BREAKER TO BE 400LA/400 AMPERES 3 POLES MOLDED CASE CIRCUIT BREAKER.
  - ④ METER SOCKET BREAKER TO BE 250 VOLTS 3 PHASE 4 WIRE TERMINALS 20 AMPERES 13 TERMINALS.
  - ⑤ DOOR OPENER
  - ⑥ PADLOCK PROVISION
  - ⑦ OUTGOING FEEDER TO LOAD
  - ⑧ FINISH FLOOR

**NOTES: METER BANK MBCR1 DETAIL**

- 1- METER BANK MBCR1 TO BE STAINLESS STEEL VANDAL PROOF PER LUMA ENERGY LATEST STANDARDS FOR OUTDOOR MOUNTING METER BASE.
- 2- METER BANK TO BE PAINTED WITH ASA GREY 61.
- 3- BUS TO BE COPPER 600 AMPERES 120/208 VOLTS 3 PHASE 3 WIRE 100% NEUTRAL AND 100% GROUND.
- 4- METER BASE TO BE ACCORDING TO COMUNICADO 14-02-MED-1.

**RICARDO RODRIGUEZ DEL VALLE**  
INGENIEROS CONSULTORES, CSP  
P.O. Box 2138, Guaynabo, Puerto Rico, 00970

**PROYECTO DE VALLE P.O. BOX 4100 JOSE BARRIOS ALVARO P.O. BOX 1600**



**PANEL SCHEDULE**

DESIGNATION LOCATION	SERV FROM	TYPE	MAIN BUS			VOLTAGE AND PHASE FEED	SECONDARY CIRCUITS BKRS					CIRCUITS CONTROLLED	GENERAL REMARKS		
			MAIN BKR FRAME	MAIN TRIP	LOCATION		ACTIVE	SPARE	TOTAL	POLES	FRAME			TRIP	
LPOR1 ELECTRICAL ROOM	MOPCR1	42 POLES PANEL			400 AMPERE M.L.O.	BOTTOM	120/208 VOLTS 3 PHASE 4 WIRE W/GND BUS	21	4	25	1	100	20	LPOR1 # 5 TO 15,17,20,24,26,27,28	LIGHTS AND RECEPTACLES.
LPOR2 KIOSK	LPOR1	18 POLES PANEL			225 AMPERE M.L.O.	TOP	120/208 VOLTS 3 PHASE 4 WIRE W/GND BUS	5	4	9	1	100	20	LPOR2 # 1 TO 3,5,7	LIGHTS AND RECEPTACLES.

**NOTE: PANEL SCHEDULE:**  
1- ALL MOLDED CASE CIRCUIT BREAKERS TO BE 10,000 AMPERE INTERRUPTING DUTY.

**MAIN DISTRIBUTION PANEL SCHEDULE**

DESIGNATION LOCATION VOLTAGE MAIN TYPE	EQUIPMENT	PANEL BOARD			LOAD			FEEDERS				EQUIPMENT SERVED	REMARKS		
		TYPE	FRAME	TRIP	KVA	HP	PHASE	FEEDER	QTY.	SIZE	TYPE				
MOPCR1 120/208 VOLTS 3 PHASE 4 WIRE 400 AMPERES	MF	1 MCCB	400LA	300	3	312.5A	3	120/208V.	MF	SEE PANEL RISER DIAGRAM		LPOR1	SERVING KIOSK		
		2 MCCB	150	30	2	219.7A	3	120/208V.	F1	4	350MCM THW-2	1 # 1/0	1 4" EMT	LPOR2	SERVING BATHROOM SEE NOTE#1
		3 MCCB	150	40	2	4.0KW	2	208V.	F2	2	10 THW-2	1 # 10	1 3/4" EMT	WH-2	SERVING BATHROOM SEE NOTE#1
		4 MCCB	150	40	2	6.0KW	2	208V.	F3	2	8 THW-2	1 # 10	1 1" EMT	WH-1	SERVING BATHROOM SEE NOTE#1
		5 MCCB	150	40	2	6.0KW	2	208V.	F4	2	8 THW-2	1 # 10	1 1" EMT	WH-3	SERVING BATHROOM SEE NOTE#1
		6 MCCB	150	90	3	30KW	3	120/208V.	F5					ATSCR1	TO SERVING KIOSK
															SPACE WITH BUS

**ABBREVIATIONS:**  
A - AMPERES  
V - VOLTS  
MB - METER BANK  
NA - NON AUTOMATIC  
PNC - POLYVINYL CHLORIDE  
TERM - TERMINALS

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CAMPO DE SOCORRO PR. CDR-00518  
MUNICIPALITY OF CAGO ROAD  
COMPLEJO DEPORTIVO REBEKAH COLBREG  
CAGO ROAD, P.R. 00823

Prepared For:

REVISIONS

1.	
2.	
3.	
4.	

NOT FOR CONSTRUCTION

SCALE AS SHOWN

DATE  
JUL 19 2023

DRAW BY:  
J.R.V.

E-108

**CERTIFICACION DEL DISEÑADOR/DESIGNER'S CERTIFICATION**  
I, Ricardo Rodriguez del Valle, a duly Licensed Professional Engineer in the State of Puerto Rico, certify that the design and construction documents for the project described herein were prepared by me or under my direct supervision and control, and that I am a duly Licensed Professional Engineer in the State of Puerto Rico. My license number is 10087-5458100. I am not providing this certification for the purpose of obtaining a permit or license from any other authority. My commission expires on 07/31/2025.



**LUMA ENDOSOY ENDORSEMENT**  
CAMPO DE SOCORRO, PR. - 00823  
Nombre del Proyecto/Project Name: COLBREG CASO 005018  
Numero del Proyecto/Project Number: 002-45-012-03  
CARGA/CARGA (VA): 112.5KVA Revision/Revision:

ENDOSADO POR / ENDORSED BY:

1. I have reviewed the design documents for this project and certify that the design and construction documents were prepared by me or under my direct supervision and control, and that I am a duly Licensed Professional Engineer in the State of Puerto Rico. My license number is 10087-5458100. I am not providing this certification for the purpose of obtaining a permit or license from any other authority. My commission expires on 07/31/2025.

2. I have reviewed the design documents for this project and certify that the design and construction documents were prepared by me or under my direct supervision and control, and that I am a duly Licensed Professional Engineer in the State of Puerto Rico. My license number is 10087-5458100. I am not providing this certification for the purpose of obtaining a permit or license from any other authority. My commission expires on 07/31/2025.

GENERAL NOTES:

- MINIMUM SIZE CONDUIT TO BE 3/4" DIAMETER EMT. ALL EXPOSED CONDUITS SHALL BE RIGID GALVANIZED STEEL. THE USE OF ENT (ELECTRICAL NONMETALLIC TUBING) OR PVC CONDUIT IS NOT ALLOWED ON THIS PROJECT.
- MINIMUM SIZE CONDUCTOR TO BE #12 THW-2 COPPER. ALL CONDUCTORS #8 AND ABOVE TO BE COPPER STRANDED WITH THW-2 INSULATION. ALL INSULATION TO BE FOR 600 VOLTS MINIMUM, 90° C.
- NO 2" X 4" BOXES ALLOWED. MINIMUM SIZE BOX TO BE 4"X 4"X 1-1/2" BOXES OR AS SHOWN ON PLANS. ALL TO BE READILY ACCESSIBLE.
- NO "LIFT" TYPE CONDUCTOR ALLOWED. ALL DROPS TO FIXTURES AND EQUIPMENT TO BE DONE IN FLEXIBLE METALLIC CONDUIT. TYPE, SIZE, AND MAXIMUM LENGTH IN ACCORDANCE WITH LATEST NEC AND FOR OTHER EQUIPMENT AS REQUIRED BY CODES.
- DIFFERENCES BETWEEN PLANS AND SPECIFICATIONS AND BETWEEN PLANS AND ACTUAL FIELD CONDITIONS SHALL BE BROUGHT IMMEDIATELY TO THE ATTENTION OF THE ENGINEER OR OWNER'S REPRESENTATIVE AND NO CHANGE SHALL BE MADE UNLESS BY APPROVAL OF THE ENGINEER OR THE OWNER'S REPRESENTATIVE. SAVE AT CONTRACTOR'S RISK AND EXPENSE.
- ALL EQUIPMENT AND MATERIALS SHALL BE NEW THROUGHOUT AND IN ACCORDANCE WITH THE LATEST NEMA, U.S. STANDARDS AND APPROPRIATELY LABELED, ALSO FOR EXISTING EQUIPMENT.
- CONTRACTOR SHALL COORDINATE ALL OF HIS WORK, CHIPPING OR CUTTING, ETC. WITH EXISTING SERVICES AND UTILITIES AND WITH THE OWNER, OWNER'S ENGINEER, LANDLORD OR REPRESENTATIVE AS TO "AS BUILT" BUILDING CONDITIONS, DRAWINGS ETC., BEFORE ANY PROCEEDING. INFORMATION ON THESE DRAWINGS HAS BEEN OBTAINED FROM THE OWNER'S ARCHITECT / REPRESENTATIVE'S FIELD SURVEY WHICH SHALL BE FIELD COORDINATED AND VERIFIED. THE CONTRACTOR IS REQUIRED TO VISIT THE PROJECT AND REPORT HIS COMMENTS BEFORE BIDDING, OWNER'S GENERAL CONDITIONS SHALL FORM PART OF THIS PHASE.
- EQUIPMENT TO BE SUPPLIED AND INSTALLED BY OWNER AND OTHER TRADES OR CONTRACTORS SHALL HAVE INTEGRAL OVERLOAD PROTECTION, DISCONNECTING MEANS AND GROUND FAULT PROTECTION WHERE REQUIRED. POWER FACTOR FOR ALL EQUIPMENT TO BE ABOVE REQUIRED BY PUERTO RICO ENERGY CODE.
- CONTRACTOR IS REQUIRED TO SUBMIT FOR APPROVAL ALL EQUIPMENT, LIGHTING FIXTURES, PANELS, CONDUITS & FITTINGS, RECEPTABLES AND ANY OTHER ELECTRICAL MATERIALS REQUIRED FOR THE CONSTRUCTION WORK TO BE PERFORMED.
- THE ELECTRICAL INSTALLATION, MATERIALS AND METHODS OF WORK SHALL BE WITH IN ACCORDANCE WITH LATEST LUMA ENERGY, NEC OF P.R., NFPA 70HA, CODE, AND OTHER AGENCIES APPLICABLE CODES AND REGULATIONS FOR SAID TYPE OF WORK AND SHALL BE SUBMITTED TO THE OWNER FOR APPROVAL. COORDINATION WITH OWNER'S REPRESENTATIVE IS MANDATORY.
- ALL RECEPTABLES AND SWITCHES SHALL BE HEAVY DUTY SPECIFIERS GRADE OF THE COLOR TO BE CHOSEN BY THE ARCHITECT. ALL WALL PLATES SHALL BE STAINLESS STEEL.
- ALL CONDUITS TO BE SECURELY FASTENED TO ALL BOXES OR CABINETS WITH ONE BUSHING AND TWO LOCK NUTS, ONE INSIDE AND ONE OUTSIDE OF THE BOX, CABINET OR FIXTURE. INSULATED BUSHINGS SHALL BE INSTALLED ON CONDUITS 1-1/4" DIAMETER AND LARGER.
- PANEL BOARDS SHALL BE OF THE DEAD FRONT TYPE, VOLTAGE, MAIN LUGS AND PHASES AS INDICATED ON PLANS. ALL TO BE EQUIPPED WITH CIRCUIT BREAKERS FOR EACH BRANCH AS SHOWN ON PLANS AND WITH COPPER MAIN BARS AND GROUND BUS. PANELBOARDS SHALL BE IDENTIFIED BY ENGRAVED NAME PLATE AND ALL CIRCUITS SHALL BE IDENTIFIED AT PANEL DIRECTORY WHICH IS TO BE ADEQUATELY FILLED FOR ALL CIRCUITS CONTROLLED. HANDLE TIES SHALL BE PROVIDED FOR ALL SINGLE POLE CIRCUIT BREAKERS SUPPLYING SHARED NEUTRAL MULTI BRANCH CIRCUITS IN THE SAME CIRCUIT OR RACEWAY. SHARED NEUTRAL MULTI BRANCH CIRCUIT BREAKERS NOT USING HANDLE TIES AT THE PANELBOARD SHALL BE PROVIDED WITH A DEDICATED SEPARATE NEUTRAL CONDUCTOR PER EACH CIRCUIT.
- WHETHER SHOWN OR NOT ON THESE PLANS, CONTRACTOR SHALL SUPPLY 120 VOLTS TO ANY VARIABLE AIR VOLUME BOXES, SOLENOID VALVES, MOTORIZED DAMPERS, CONTROL PANELS, OR ANY MECHANICAL EQUIPMENT REQUIRING CONTROL, AS SHOWN ON MECHANICAL, PLUMBING, AND FIRE PROTECTION PLANS. CONTRACTOR SHALL COORDINATE WITH MECHANICAL CONTRACTOR AS REQUIRED.
- CONTRACTOR TO COLOR CODE ALL WRING AS FOLLOWS:
  - FEEDERS AND RUNS AT 120/208 VOLTS - RED, BLACK, BLUE.
  - SWITCH RETURNS - PINK, PURPLE, TAN
  - NEUTRAL - WHITE
  - GROUND - GREEN
  - ISOLATED GROUND - GREEN W/ YELLOW STRIPE
- ALL EQUIPMENT SPECIFICALLY PANELBOARDS, DISCONNECT SWITCHES, CONTACTORS, AND TIME SWITCHES SHALL BE CLEARLY MARKED WITH THEIR DESIGNATION AS SHOWN ON PLANS. MARKING SHALL CONSIST OF A LAMINATED PLASTIC ENGRAVED NAMEPLATE. PLATES SHALL BE BLACK WITH WHITE CORE AND FASTENED WITH SCREWS OR APPROVED ADHESIVE.
- THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL VOLTAGES (EITHER PRIMARY OR SECONDARY) SHOWN ON PLANS WITH EXISTING CONDITIONS UPON FIRST VISIT TO THE PROJECT SITE. THE PROJECT'S INCOMING SERVICE VOLTAGE IF SECONDARY SHOULD CORRESPOND TO THE SPECIFICATIONS FOR THE LIGHTING FIXTURES & MILLWORK AND THE H.V.A.C. EQUIPMENT, AND BE NOTED ACCORDINGLY ON THE ELECTRICAL PANEL SCHEDULES AND RISER DIAGRAM. ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT/ENGINEER IMMEDIATELY AND PRIOR TO COMMENCING ANY WORK OR PURCHASING ANY EQUIPMENT.
- ALL CONDUIT RUNS OF TWO AND THREE CIRCUITS TO HAVE BREAKER TIED WITH STRAP BOTH AT AT IF ONE BREAKER TRIPS ALL OTHERS WILL TRIP AS REQUIRED BY NEC.
- CONTRACTOR SHALL COMPLY WITH UNIFORM BUILDING CODE (UBC) FOR LIGHTING FIXTURES INSTALLATION IN HUNG CEILING FOR SEISMIC ZONE 3-4 COMPLIANCE. ALL FIXTURES TO HAVE CALIFORNIA CLIPS TO HOLD FIXTURES TO HUNG CEILING AND ALL FIXTURES TO BE INDEPENDENTLY SUPPORTED FROM THE STRUCTURE AS REQUIRED. UNIFORM BUILDING CODE STANDARD 25-2 PRESCRIBES CONSTRUCTION METHODS THAT MAY BE USED FOR LIGHT HEIGHT SUSPENDED CEILING. THESE STANDARDS SHALL BE USED AS GUIDE FOR SUPPORTING OF BOTH THE SUSPENDED CEILING AND THE LIGHTING FIXTURES.
- WHETHER SHOWN OR NOT ON THESE PLANS, CONTRACTOR SHALL SUPPLY 120 VOLTS TO ANY VARIABLE AIR VOLUME BOXES, SOLENOID VALVES, MOTORIZED DAMPERS, CONTROL PANELS, AND ANY MECHANICAL EQUIPMENT REQUIRING CONTROL AS SHOWN ON MECHANICAL PLANS. CONTRACTOR TO COORDINATE WITH MECHANICAL CONTRACTOR AS REQUIRED.
- ALL DEDICATED CIRCUIT TO HAVE ORANGE ISOLATED GROUND RECEPTABLES.
- TELEPHONE CONDUIT RUNS SHALL NOT HAVE MORE THAN TWO (2) 90° BENDS OR ITS EQUIVALENT.
- ALL MAGNETIC MOTOR STARTERS TO HAVE HAND-OFF-AUTO SELECTOR SWITCH INSTALLED IN THEIR ENCLOSURES. WHETHER SHOWN OR NOT ON PLANS AT NO ADDITIONAL COSTS.
- CONTRACTOR TO COORDINATE LIGHTING FIXTURES, RECEPTABLES, SWITCHES AND EQUIPMENT WITH ARCHITECTURAL PLANS.
- FILL CAPACITY OF CONDUITS, JUNCTION BOXES AND CABLE TRAYS SHALL FOLLOW THE REQUIREMENTS OF N.E.C. 2020 EDITION.
- ALL BOXES TO BE INSTALLED IN THIS PROJECT SHALL FOLLOW THE REQUIREMENTS OF THIS NOTE. WELDED BOXES SHALL BE USED FOR DRY WALL CONSTRUCTION ONLY. STAMPED BOXES SHALL BE USED FOR CONCRETE INSTALLATION.
- THE FOLLOWING IS NOT INCLUDED ON THESE PLANS:
  - TELEPHONE EQUIPMENT.
  - MAIN TELEPHONE WIRING EITHER COPPER CONDUCTORS AND/OR FIBER OPTICS TELEPHONE/SIGNALINGCONDUCTORS.
- ALL INSTALLATION OF CONDUITS 2" DIAMETER CONDUIT OR ABOVE SHALL COMPLY WITH PUERTO RICO SEISMIC ZONE.
- AS REQUIRED BY NEC 70-2023 ALL RECEPTACLE THRU OUT THIS PROJECT SHALL BE ARCING PROTECTED. ANY RECEPTACLE IN DOOR OR OUTDOOR THAT SHALL BE INSTALLED IN A LOCATION WHERE THERE IS WATER IS TO BE GROUND FAULT PROTECTED/ARCING PROTECTED.

LEGEND:

- ELECTRICAL CONDUIT EMBEDDED INSIDE WALLS OR FLOOR SLAB.
- ELECTRICAL CONDUIT EMBEDDED INSIDE/CEILING SLAB OR FURRED SPACE.
- CONDUIT RUN TO PANEL. NUMBER OF ARROWS INDICATE CIRCUITS. CONTROLLED SLASHED LINES INDICATE NUMBER OF CONDUCTORS.
- X- EXPOSED ELECTRICAL CONDUIT INSTALL OR CEILING SLAB.
- CEILING OUTLET FOR LED TYPE FIXTURE AS DESCRIBED ON LIGHTING FIXTURE AND LAMP SCHEDULE.
- EXIT ○ EXIT LIGHT SELF POWERED, WITH BATTERY AND CHARGER AS DESCRIBED ON LIGHTING FIXTURE AND LAMP SCHEDULE.
- EMERGENCY ○ EMERGENCY LIGHTING FIXTURE, SELF POWERED, WITH BATTERY AND CHARGER AS DESCRIBED ON LIGHTING FIXTURE AND LAMP SCHEDULE. UNIT TO BE MOUNTED AT 8'-0" OR AS SHOWN ON PLANS.
- SINGLE POLE SWITCH 120 VOLTS, 20 AMPERES, MOUNTED AT 48" AFF.
- THREE WAY SWITCH 120 VOLTS, 20 AMPERES, MOUNTED AT 48" AFF.
- MOMENTARY CONTACT SWITCH 120 VOLTS, 10 AMPERES, MOUNTED AT 48" AFF.
- DUPLEX CONVENIENCE RECEPTACLE 120 VOLTS, 20 AMPERES, MOUNTED AT 18" AFF. (SEE NOTE#29)
- SAME AS ABOVE BUT MOUNTED AT 42" AFF OR AS SHOWN ON PLANS
- TWO DUPLEX RECEPTABLES 120 VOLTS, 20 AMPERES ON A BOX WITH TWO GANG RISED COVER, MOUNTED AT 18" AFF. (SEE NOTE#29)
- SAME AS ABOVE BUT MOUNTED AT 42" AFF OR HEIGHT AS SHOWN ON PLANS.
- GROUND FAULT PROTECTED 120 VOLTS 20 AMPERES SINGLE POLE GROUND TYPE RECEPTACLE MOUNTED AT 18" AFF.
- SAME AS ABOVE BUT MOUNTED AT 42" AFF.
- FLOOR OUTLET FOR RECEPTACLE TO BE HUBBELL HUBWIPFBRG1 BOX WITH ONE 120 VOLT 20 AMPERES RECEPTACLE AND HUBBELL HUB WA2625 WITH ADAPTER COLLAR. COVER TO BE HUBBELL HUBWSA 3825. (SEE NOTE#29).
- SPECIAL PURPOSE RECEPTACLE:
  - ) 250 VOLTS 30 AMPERES 2 POLES, FEEDER TO BE 2 # 10 THW-2 AND 1 # 10 THW-2GREEN GROUND CONDUCTOR IN 1/4" DIA. METER EMT. (SEE NOTE#29).
  - ) 250 VOLTS 50 AMPERES 2 POLES, FEEDER TO BE 3 # 6 THW-2 AND 1 # 8 THW-2GREEN GROUND CONDUCTOR IN 1/4" DIA. METER EMT. (SEE NOTE#29).
- LP LIGHTING PANEL 120/208 VOLTS AS DESCRIBED ON PANEL SCHEDULE OR RISER DIAGRAM.
- CONTRACTOR BANK TO SERVE LIGHTING PANEL.
- MAGNETIC MOTOR STARTER 250 VOLTS 3 POLE GROUNDING MOUNTED AT 48" AFF.
- TELEPHONE/DATA RECEPTACLE. BOX TO BE 4" X 4" X 2-1/8" WITH SINGLE GANG RISED COVER AND TELEPHONE COVER PLATE MOUNTED AT 18" AFF.
- WALL OR CEILING OUTLET FOR FIRE ALARM, FIRE ALARM BASIC SYMBOL.

ABBREVIATIONS:

- |                                |                                |
|--------------------------------|--------------------------------|
| AFF - ABOVE FINISHED FLOOR     | J - JUNCTION BOX               |
| AFD - ABOVE FINISHED GRADE     | X - EXPOSED                    |
| ENL - EMERGENCY NIGHT LIGHT    | F - FIRE                       |
| TIP - TELEPHONE TERMINAL PANEL | E - EMERGENCY                  |
| RGS - RIGID GALVANIZED STEEL   | N - NEW                        |
| EMT - ELECTRIC METALLIC TUBING | EX - EXISTING                  |
| CKT - CIRCUIT                  | PP - POWER PANEL               |
| SDT - STEP DOWN TRANSFORMER    | RP - LIGHTING/RECEPTACLE PANEL |
| IHC - INSIDE HUNG CEILING      |                                |



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NOTA DE OBSERVACION DE PLANO REVISADO POR CORRECCIONES  
El presente documento es una copia de un archivo digitalizado de un plano original que fue creado y firmado por el profesional responsable de la obra. Este documento no constituye un original y no debe ser utilizado para fines legales o de responsabilidad profesional. Cualquier modificación o alteración de este documento sin el consentimiento escrito del profesional responsable de la obra, anula la validez de este documento. Toda persona que utilice este documento sin el consentimiento escrito del profesional responsable de la obra, se responsabiliza de los daños y perjuicios que ocasionare.

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Prepared  
For:

REVISONS	SCALE: AS SHOWN
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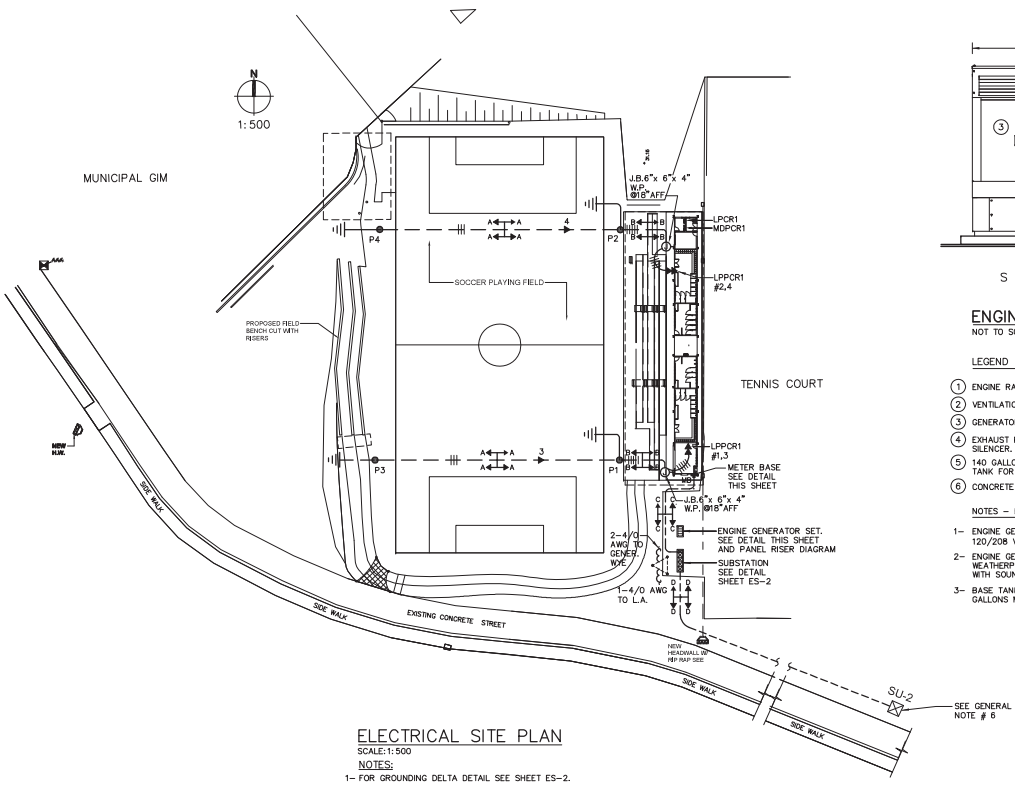
LEGEND AND GENERAL NOTES

DATE  
JUL 19 2023

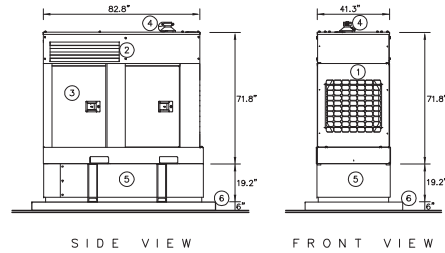
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J.B.A

E-109

2023-02 ID - \\ALDO\comp\proyectos y REVISADOS-2023\02\_Planos de Soccer-JUL-19-23\NOVAS ELECTRICAS\ES-1 ELECTRICAL SITE PLAN.dwg - Mod. 7/19/2023 - 10:18 AM



**ELECTRICAL SITE PLAN**  
SCALE: 1:500  
**NOTES:**  
1- FOR GROUNDING DELTA DETAIL SEE SHEET ES-2.  
2- ANY WORK REQUIRED TO LINES THAT ARE ENERGIZED TO BE PAID BY OWNER TO LUMA ENERGY.



**ENGINE GENERATOR SET DETAIL**  
NOT TO SCALE

**LEGEND - ENGINE GENERATOR SET**

- ① ENGINE RADIATOR
- ② VENTILATION LOUVERS
- ③ GENERATOR COMPARTMENT
- ④ EXHAUST PIPE WITH INTEGRAL CRITICAL GRADE SILENCER
- ⑤ 140 GALLON DOUBLE WALL BASE MOUNTED TANK FOR 48 HOUR OPERATION
- ⑥ CONCRETE BASE FOR ENGINE GENERATOR SET

**NOTES - ENGINE GENERATOR SET:**

- 1- ENGINE GENERATOR SET SHALL BE 30KW STANDBY 120/208 VOLTS 3 PHASE 4 WIRE 60HZ.
- 2- ENGINE GENERATOR SET ENCLOSURE SHALL BE WEATHERPROOF GASKETED GALVANIZED STEEL WITH SOUND ATTENUATION SILENCER.
- 3- BASE TANK SHALL BE DOUBLE WALL WITH 140 GALLONS MINIMUM FOR 48 HOURS OPERATION.



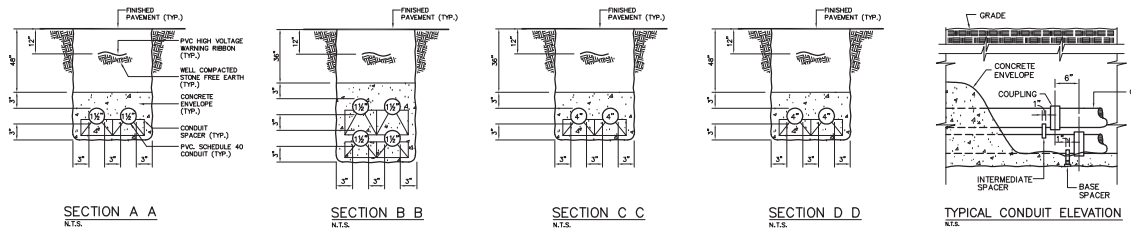
PROJECT IS LOCATED UNDER CATASTRO 322-000-004-57 EAST-124457.75 NORTH-227335.25

**LEGEND - ELECTRICAL SITE PLAN**

- SU - SWITCHING UNIT
  - MB - METER BASE
  - LP - LIGHTING PANEL
  - MDP - MAIN DISTRIBUTION PANEL
  - TTC - TELEPHONE TERMINAL CABINET
  - EX - EXISTING
  - FS - FUSED SWITCH
  - N - NEW
- UNDER GROUND ELECTRICAL OR TELEPHONE LINES. SEE TYPICAL SECTIONS THIS SHEET.
- SWITCHING UNIT EXISTING 4-16/7.2KV 17KV MAXIMUM DESIGN VOLTAGE WITH TWO FUSED SWITCHES. ONE TO SERVE SOCCER FIELD SUBSTATION.
- TRANSCLUSURE TYPE SUBSTATION TO SERVE SOCCER FIELD.
- ENGINE GENERATOR SET SHALL BE 30KW STANDBY 120/208 VOLTS 3 PHASE 4 WIRE 60HZ.
- METER BASE TO METER IN SECONDARY VOLTAGE POWER CONSUMPTION. SEE DETAIL SHEET E-108.
- LIGHTING PANEL 120/208 VOLTS AS DESCRIBED ON PANEL SCHEDULE OR RISER DIAGRAM.
- MAIN DISTRIBUTION PANEL MDPOR1 SEE SHEET E-108 FOR DESCRIPTION.

**ABBREVIATIONS:**

- 1- CONTRACTOR TO COORDINATE ALL HIS WORK, COORDINATION IS MANDATORY IN THIS PROJECT.
- 2- CONTRACTOR TO COORDINATE WITH ARCHITECT/ENGINEER, CABO ROJO MUNICIPAL GOVERNMENT, INSPECTOR AND LUMA ENERGY ENGINEER/INSPECTOR.
- 3- ALL WORK TO BE DONE AS PER NATIONAL ELECTRIC CODE LATEST EDITION, NEMA, U.L. IEEE AND LUMA ENERGY STANDARDS.
- 4- LIGHTING POLES NOT INCLUDED IN THIS DESIGN. ONLY POWER REQUIRED TO SUPPLY THESE POLES.
- 5- PANEL RISER DIAGRAM LOCATED SHEET E-108.
- 6- THE POINT OF CONNECTION IS LOCATED:  
a) METER COORDINATES + EAST + NORTH (124489.17, 227335.25)  
b) THE PROJECT SHALL BE CONNECTED TO SU-2 WHICH IS THE POINT OF CONNECTION.
- 7- PRIMARY VOLTAGE SHALL BE CONFIRMED BY CONTRACTOR WITH MANAGER TECHNICAL DISTRICT.



**NOTAS IMPORTANTES PARA LUMA ENERGY:**

1. El punto de conexión eléctrica para el local será la Seccionadora indicada en el plano de sitio para la subestacion y deberá tener la capacidad para suflir la carga, que según el plano requerirá interruptor de carga de tamaño mostrado en el "one line Diagram".
2. La medición será en Secundaria y se instalará en el exterior y seguirá El Comunicado 14-02(MED-14).  
a. Los Equipos de medición a utilizar se serán: CT's 5:500:5  
b. Esta medición deberá estar accesible en todo momento AL PERSONAL DE LUMA ENERGY.  
c. Se deberá cumplir con todos los despaño's.  
d. Se utilizará un medidor 55 de (13 puntos).
3. Este proyecto requiere contrato de cuentas al por mayor, el cual es requisito que se firme previa a la energización del proyecto. El tipo de medición, los equipos a utilizar y la ubicación del equipo deberá estar coordinada con el Director de Mediciones por medio de correo Electrónico "Consulta Medición @ LUMA P.R. COM." de la Región de MAYAGUEZ.
4. El cliente deberá presentar certificación eléctrica aprobada por un perito electricista o ingeniero electricista licenciada con todos los pruebas requeridas y actualizar contrato de cargo en el Departamento de Ventas al Por Mayor para que le sea asignado número de medio y punto de servicio.
5. El SU-2 se encuentra localizado N-18.080290; W-67.146659' y este será el PUNTO DE CONEXIÓN para la SUBESTACION DEL PARQUE DE SOCCER.
6. EL DUEÑO DEL PROYECTO PAGARA A LUMA ENERGY TODOS LOS GASTOS EN QUE INCURRA EN LA CONEXION DEL PROYECTO.

**CERTIFICACION DEL DISEÑADOR (DESIGNER'S CERTIFICATION)**

Yo, el abajo firmante, certifico que he diseñado y dimensionado este proyecto de acuerdo a los requisitos de diseño y especificaciones de los planos de proyecto y que he verificado que el mismo cumple con los requisitos de diseño y especificaciones de los planos de proyecto y que he verificado que el mismo cumple con los requisitos de diseño y especificaciones de los planos de proyecto.

**FECHA DE EMISIÓN DE LA CERTIFICACIÓN**

07/19/2023

**DESIGNER'S NAME**

Daniela Rodríguez, Jairo Jairo Rodríguez Ojeda

**DESIGNER'S TITLE**

Ingeniero en Electricidad

**DESIGNER'S LICENSE NUMBER**

00123456789

**DESIGNER'S LICENSE STATE**

P.R.

**DESIGNER'S LICENSE EXPIRES**

07/19/2025

**DESIGNER'S SIGNATURE**

[Signature]

**DESIGNER'S CONTACT INFORMATION**

Numero del Proyecto/Project Number: 001-210208  
Nombre del Proyecto/Project Name: COMPLEJO DEPORTIVO REBEKAH COLBERG  
CABO ROJO, P.R. 00623

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**DESIGNER'S CONTACT INFORMATION**

001-210208

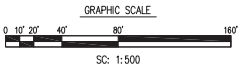
**DESIGNER'S CONTACT INFORMATION**

001-210208

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001-210208

**RICARDO RODRIGUEZ DEL VALLE**  
INGENIEROS CONSULTORES, CSP  
P.O. Box 2138, Guaynabo, Puerto Rico, 00970



**NOTA DE VERIFICACION DE PLANO PARA LUMA ENERGY**  
Este documento es una copia de los planos de proyecto y no debe ser utilizado para fines de construcción sin la supervisión directa de un ingeniero licenciado en Electricidad. El cliente es responsable de verificar que los planos de proyecto sean correctos y completos antes de iniciar cualquier trabajo de construcción. LUMA ENERGY no se hace responsable de los errores o omisiones en los planos de proyecto.

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**P & S CONSULTANTS**  
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INGENIEROS EN ELECTRICIDAD  
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GUAYNABO, PUERTO RICO 00981  
PHONE: 787.785.1436 FAX: 787.785.1909

**ELECTRICAL SITE PLAN**

CAMPO DE SOCCER PR-CRP-000518  
MUNICIPALITY OF CABO ROJO  
COMPLEJO DEPORTIVO REBEKAH COLBERG  
CABO ROJO, P.R. 00623

**REVISIONS**

No.	Description
1.	
2.	
3.	
4.	

SCALE: AS SHOWN

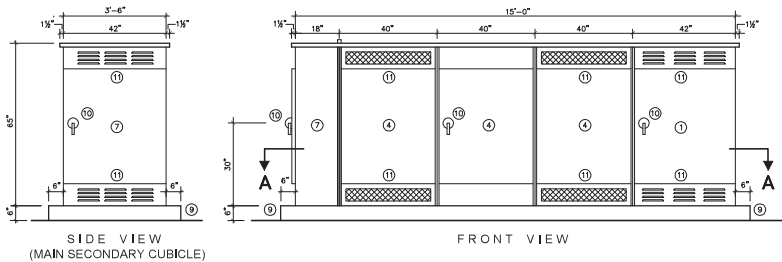
**NOT FOR CONSTRUCTION**

**DATE**  
JUL 19 2023

**DRAWN BY:**  
J.R.V.

**ES-1**





SIDE VIEW  
(MAIN SECONDARY CUBICLE)

FRONT VIEW

LEGEND - SUBSTATION DETAIL

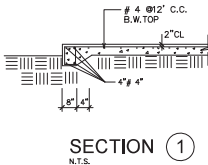
- 1 MAIN FUSED SWITCH PRIMARY CUBICLE.
- 2 INCOMING FEEDER FROM SWITCHING UNIT.
- 3 HIGH VOLTAGE FEEDER TO TRANSFORMERS.
- 4 TRANSFORMER CUBICLES.
- 5 MAIN SECONDARY FEEDER.
- 6 MAIN SECONDARY CUBICLE WITH MAIN CIRCUIT BREAKER.
- 7 MAIN MOLDED CASE CIRCUIT BREAKER.
- 8 MAIN DISTRIBUTION PANEL, MPDKR1.
- 9 CONCRETE BASE FOR SUBSTATION.
- 10 DOOR OPENER WITH PADLOCK PROVISIONS.
- 11 VENTILATION OPENINGS.

LEGEND - SINGLE LINE DIAGRAM

- 1 INCOMING FEEDER TO SWITCHING UNIT SU-2, (EXISTING)
- 2 OUTGOING FEEDER FROM SWITCHING UNIT SU-2, (EXISTING)
- 3 EXISTING CONDUIT SEAL.
- 4 EXISTING STRESS CONES.
- 5 GANG OPERATED DISCONNECT SWITCH.
- 6 7.2KV 3 PHASE 3 WIRE NEUTRAL AND GROUND 600 AMPERE BUS.
- 7 FUSED SWITCH FOR OPERATION AT 7.2KV, 17KV MAXIMUM DESIGN 95KBL, 21,000 AMPERES INTERRUPTING, 200 AMPERE CONTINUOUS S & C 3M 20 FUSED AT SE.
- 8 EXISTING FUSED SWITCH TO TENNIS COURT SUBSTATION, (EXISTING)
- 9 INDOOR PREFABRICATED STRESS CONES.
- 10 3 # 2-15KV SHIELDED CROSS LINK POLYETHYLENE, TREE RETARDANT (TRXL) POLYETHYLENE INSULATED (LIPOS) COPPER CONDUCTOR AND 1 # 2 THIN-2 GREEN GROUND CONDUCTOR 4" DIAMETER PVC SCHEDULE 40 CONDUIT CONCRETE ENCASED.
- 11 FUSED SWITCH 7.2KV OPERATING VOLTAGE, 17KV MAXIMUM DESIGN VOLTAGE, 95KBL MAXIMUM INTERRUPTING, 50,000 AMPERES, 100 AMPERES CONTINUOUS, FUSED AT SE.
- 12 COPPER BUS 7.2KV 3 PHASE 3 WIRE AND GROUND BUS 200 AMPERES.
- 13 INDOOR MOUNTED OZ TYPE CONDUIT SEAL.
- 14 CONNECTION OF BUS TO HIGH VOLTAGE FEEDER.
- 15 NON PCB OIL TYPE TRANSFORMER (3)-37-1/2 KVA EACH CONNECTED PRIMARY 7.2KV DELTA TO 120 208 VOLTS GROUNDWYE WITH A MINIMUM OF 4.5% IMPEDANCE AND 252-1/2" TAPS ABOVE AND BELOW RATED VOLTAGE.
- 16 LIGHTNING ARRESTER 6KV METAL OXIDE SILICONE RUBBER TYPE.
- 17 CONNECT TO GROUND TRANSFORMER WYE AND LIGHTNING ARRESTERS.
- 18 MAIN SECONDARY MOLDED CASE CIRCUIT BREAKER TO BE 400LA/400 AMPERES 3 POLE.
- 19 CONNECT TO METER BASE MBCR1, SEE SHEET-E-108 FOR DETAILS.

NOTES - SINGLE LINE DIAGRAM

- 1-SUBSTATION SHALL BE STAINLESS STEEL GA 14 PER LUMA ENERGY STANDARDS.
- 2-SUBSTATION TO BE PAINTED WITH COATS OF EPOXY BASED PRIMER AND ASA GRAY 61 PAINT.
- 3-CONTRACTOR TO INCLUDE AMMIC BUS.
- 4-EXISTING HIGH VOLTAGE FEEDER TO SU-2 TO BE AT 4.16/7.2KV-4/0 COPPER XLP.
- 5-ALL SUBSTATION EQUIPMENT TO BE FOR 17KV, 95KBL MAXIMUM DESIGN VOLTAGE, OPERATING VOLTAGE TO BE 4-16/7.2KV 3 PHASE 3 WIRE.



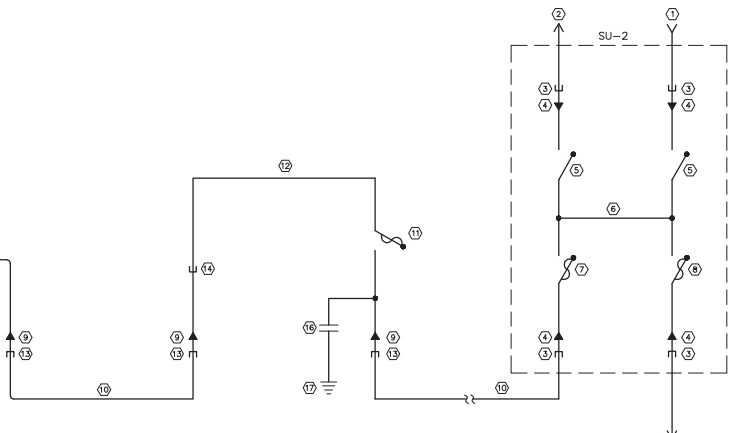
SECTION 1  
N.T.S.

SUBSTATION STRUCTURE PLAN DETAIL

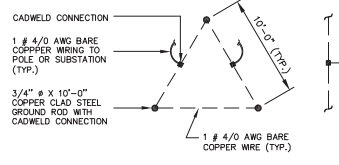
SCALE: 1/2" = 1'-0"

NOTE:

1-CONCRETE TO BE 3000 PSI FOR CONCRETE BASE.



SINGLE LINE DIAGRAM  
N.T.S.



GROUND MAT INSTALLATION DETAIL  
N.T.S.

RICARDO RODRIGUEZ DEL VALLE  
INGENIEROS CONSULTORES, CSP  
P.O. Box 2138, Guaynabo, Puerto Rico, 00970

PROYECTO DE INGENIERIA EN EL AREA DE ELECTRICIDAD

PROYECTO DE INGENIERIA EN EL AREA DE ELECTRICIDAD  
CONSTRUCCION DE UN SISTEMA DE TRANSFORMACION DE 7.2KV A 120/208V GROUNDWYE EN EL AREA DE TENNIS COURTS DEL COMPLEJO DEPORTIVO REBEKAH COLBERG, CABA ROJO, P.R.

SE REQUIERE CERTIFICACION DE COMPETENCIA DEL INGENIERO EN ELECTRICIDAD, COMO SE MUESTRA EN EL ANEXO 1.

Notas para Planos de Construcción Eléctrica:  
(Requeridas por LUMA ENERGY)

- Notas Especiales:
1. El dueño del proyecto aportará a la LUMA ENERGY: A) La cantidad de \$2,475.00 para mejoras al sistema eléctrico existente.
  - B) Las obras requeridas en la evaluación para este proyecto del 06 de JUNIO de 2023. Esta aportación se realiza según la carta propuesta de acuerdo con el Reglamento para Determinar y Cubrir las Aportaciones de Finanzas o Instituciones en proyectos de desarrollo vial.
2. LUMA ENERGY no conectará al proyecto a su sistema eléctrico hasta tanto el dueño concluya los trabajos de mejoramiento requeridos de acuerdo con el Reglamento de Construcción para LUMA ENERGY vigente. El dueño tendrá que notificar a LUMA ENERGY la designación de este inspector privado antes del comienzo del proyecto.
  3. La instalación de sistemas de medición tiene que coordinarse con la Oficina de Mediciones de la región correspondiente. El diseñador o el contratista eléctrico tiene que asegurarse de consultar con esta oficina sobre los equipos y materiales a utilizar además de la ubicación del equipo.
  4. La instalación de subestaciones, transformadores o el otro equipo eléctrico sobre sistemas de distribución, líneas de agua u otros utilidades esta prohibida.

- Notas Generales:
1. Estos planos concuerdan con los planos de inscripción radicados en el G.O.P.
  2. El dueño del proyecto es responsable de gestionar y cubrir, antes de la fecha de comienzo de la obra, todos los permisos y requeridos por autoridades gubernamentales, estatales, municipales, federales y privados concernientes al desarrollo del tipo de proyecto.
  3. El dueño de esta obra tiene que contratar los servicios de un inspector privado y designado que inspeccione la construcción de las obras eléctricas de acuerdo con la Ley Núm. 118 de Julio de 1985, según enmendada, y con el Reglamento de Construcción de LUMA ENERGY vigente. El dueño tendrá que notificar a LUMA ENERGY la designación de este inspector privado antes del comienzo del proyecto.
  4. La ejecución de las obras eléctricas, según diseñadas en estos planos, deberá observar la mejor práctica de la Industria Eléctrica y construcción de acuerdo con los normas y especificaciones adoptadas por LUMA ENERGY y IEEE y NEC, y demás estándares de IEEE, NFPA, NEMA y ANSI adoptados.
  5. El contratista no está autorizado a hacer modificaciones a este diseño. Es responsabilidad del contratista para esta obra cualquier dato que surja de la interacción con el diseñador o inspector designado por las obras propuestas, especificaciones técnicas o discrepancias entre las condiciones reales en el campo y aquellas utilizadas para propósitos de diseño.
  6. El dueño o contratista eléctrico notificado a LUMA ENERGY el comienzo de estas obras, mediante la entrega del documento Notificación de Comienzo de Proyecto en el Departamento de Ingeniería de Distribución de la Región correspondiente, con por lo menos quince días de anticipación a la fecha propuesta.
  7. El inspector privado y el contratista eléctrico son responsables de asegurar a una autoridad de pre-construcción a coordinarse con el Departamento de Ingeniería de Distribución de la Región correspondiente.
  8. Todo trabajo a realizarse en líneas energizadas, involucra la conexión de las obras, tiene que ser realizado por LUMA ENERGY. El propietario tiene que asumir todos los costos de equipo, materiales y mano de obra. El propietario tiene que solicitar a la AEE un estimado para estas obras, el cual tendrá una vigencia de tres meses desde su emisión.
  9. Se prohíbe la realización de cualquier tipo de trabajo en las líneas de servicios eléctricos sin la autorización por escrito de LUMA ENERGY.
  10. LUMA ENERGY no aprobará la conexión de proyectos con condiciones de inversión de servicios o que no cumplan con los requisitos de seguridad requeridos.

Sistema:

1. El dueño del proyecto es responsable de realizar las pruebas de los cables primarios, secundarios con sus terminaciones. Los resultados de estas pruebas tienen que estar de acuerdo con los parámetros establecidos por LUMA ENERGY para las mismas. Estas pruebas tienen que realizarse en coordinación con un representante de la Oficina de Inspecciones de Departamento de Ingeniería de Distribución correspondiente.
2. Durante la instalación del cable, este debe estar protegido de la humedad y abrasiones. El contratista es responsable de instalar el cable mediante las prácticas recomendadas de fábrica para no exceder la tensión especificada para el cable.
3. Los tapas de registros (manholes) a ser instalados en el área de tránsito tienen que estar protegidos mediante una tapa de hormigón reforzado, según especificado en el patrón URD-52.
4. En aquellos casos donde el proyecto este instalado a menos de una milla de distancia de otros cables, los conductores secundarios tienen que ser de PVC Schedule 80 o de Fiberglass según aprobado por LUMA ENERGY.
5. Las bobinas del sistema soterrado serán inspeccionadas por LUMA ENERGY antes de ser cubiertas y compactadas.
6. Todo trabajo a realizarse en líneas energizadas, involucra la conexión de las obras, tiene que ser realizado por LUMA ENERGY. El propietario tiene que asumir todos los costos de equipo, materiales y mano de obra. El propietario tiene que solicitar a la AEE un estimado para estas obras, el cual tendrá una vigencia de tres meses desde su emisión.
7. Se prohíbe la realización de cualquier tipo de trabajo en las líneas de servicios eléctricos sin la autorización por escrito de LUMA ENERGY.
8. LUMA ENERGY no aprobará la conexión de proyectos con condiciones de inversión de servicios o que no cumplan con los requisitos de seguridad requeridos.

Materiales:

1. Todos los equipos a utilizarse en la construcción tienen que cumplir con los estándares de IEEE, ANSI, NEMA y ASTM.
2. El contratista es responsable de verificar con la LUMA ENERGY que el material y equipo a utilizarse este aprobado por LUMA ENERGY previa a su instalación. LUMA ENERGY se reserva el derecho de crear cualquier equipo que se le vaya a transferir.
3. Todo equipo y material (incluyendo transformadores y gabinetes de subestaciones) a ser instalado a una milla o menos de distancia de cuerpos de agua solo tiene que ser construido en acero inoxidable, con excepción de las bases de medidores.
4. En los sistemas soterrados, tienen que utilizarse cables primarios con terminaciones de 15' para voltajes de distribución y de 46' para líneas de 38 kv.
5. En los sistemas aéreos, tienen que utilizarse aisladores de polímero de 15' para voltajes de distribución y de 46' para líneas de 38 kv.
6. El contratista será responsable de retirar todo transformador o ser transferido a LUMA ENERGY con un número de propiedad provisto por el Departamento de Ingeniería de Distribución correspondiente.

CERTIFICACION DEL DISEÑADOR/DESIGNER'S CERTIFICATION

Yo, el abajo firmante, Ricardo Rodríguez del Valle, Ingeniero Consultor, CSP, No. de Licencia 115482 PE, certifico que he diseñado y verificado los planos de construcción de un sistema de transformación de 7.2KV a 120/208V GROUNDWYE EN EL AREA DE TENNIS COURTS DEL COMPLEJO DEPORTIVO REBEKAH COLBERG, CABA ROJO, P.R. para el proyecto de ingeniería en el área de electricidad, con un número de propiedad provisto por el Departamento de Ingeniería de Distribución correspondiente.

Fecha de Emisión: 2023/07/20

Digitally signed by Jose Javier Rodriguez Vilares

Emprendido por: Ricardo Rodríguez del Valle, 115482 PE, O: Ingenieros de Ingeniería y Aplicaciones de Puerto Rico, 2: Puerto Rico, CR: US, Reason: I am approving this document.

Date: 2023/07/20 10:52 CEST

LUMA ENDORSADO/ENDORSEMENT

CAMPO DE SOCORR-CRP

Municipio de CABA ROJO

Nombre del Proyecto/Project Name: COLBERG, CABA ROJO, P.R.

Número del Proyecto/Project Number: 05-E-12283

CARGA/LOAD (VA): 112.5KVA

Revisor/Revisor:

ENDORSADO POR/ENDORSED BY

RICARDO RODRIGUEZ DEL VALLE

INGENIEROS CONSULTORES, CSP

P.O. Box 2138, Guaynabo, Puerto Rico, 00970

1. LUMA Energy es el dueño del sistema eléctrico en el área de distribución de 7.2KV a 120/208V GROUNDWYE EN EL AREA DE TENNIS COURTS DEL COMPLEJO DEPORTIVO REBEKAH COLBERG, CABA ROJO, P.R. para el proyecto de ingeniería en el área de electricidad, con un número de propiedad provisto por el Departamento de Ingeniería de Distribución correspondiente.

2. LUMA Energy es responsable de retirar todo transformador o ser transferido a LUMA ENERGY con un número de propiedad provisto por el Departamento de Ingeniería de Distribución correspondiente.

3. El presente trabajo tiene vigencia de 3 (tres) meses desde su emisión.

4. El presente trabajo es propiedad de LUMA Energy y no puede ser reproducido, copiado, distribuido, o usado para cualquier otro propósito sin el consentimiento escrito de LUMA Energy.

5. Se requiere certificación de competencia del ingeniero en electricidad, como se muestra en el Anexo 1.

P & S CONSULTANTS

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ENVIRONMENTAL  
MANAGEMENT

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PREPARED FOR:  
CAMPO DE SOCORR-CRP  
MUNICIPALITY OF CABA ROJO  
COMPLEJO DEPORTIVO REBEKAH COLBERG  
CABA ROJO, P.R. 00823

DESIGNED BY:  
RICARDO RODRIGUEZ DEL VALLE  
INGENIEROS CONSULTORES, CSP  
P.O. Box 2138, Guaynabo, Puerto Rico, 00970

DATE:  
JUL 19 2023

DRAWN BY:  
J.R.V.

SCALE:  
AS SHOWN

REVISIONS

NO.	REVISIONS
1.	
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NOT FOR CONSTRUCTION

ES-2