



MAMBEACHPump Station 28 and Force MainImprovements

Design Review Board Meeting – April 4, 2023

Introductions

Presentation Outline

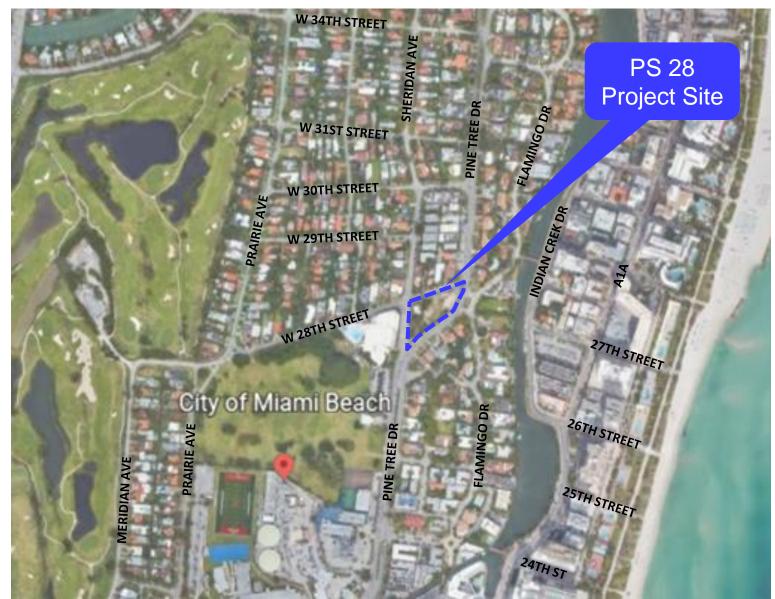
- Scope Overview
- Existing Facility Photos
- Demolition Overview
- New Electrical and Generator Building
 - Drawings
 - Renderings



Scope Overview

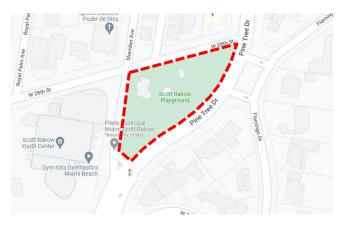
Scope Overview

- PS 28 was ranked 7th in the prioritized list of high criticality assets in Hazen and Sawyer's Renewal and Replacement Report dated May 2018 and identified as a High Criticality project in Hazen and Sawyer's City of Miami Beach Sewer System Master Plan dated October 2019.
- Construct a new building for electrical and generator components. Building will meet all required design flood elevation requirements and latest Florida Building Code wind load requirements.
- The project also includes:
 - Rehabilitate and harden existing pump station 28 facility and influent structure:
 - Pumping Facilities
 - Electrical Equipment
 - Structural Elements
 - Coating System
 - Instrumentational and Monitoring Equipment
 - Ventilation
 - Odor Control Facilities
 - New discharge force main (approximately 1,000 linear feet)



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LOCATION MAP

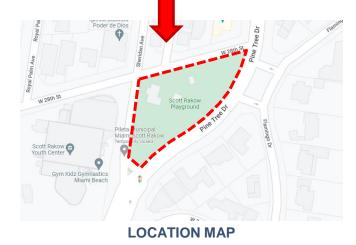
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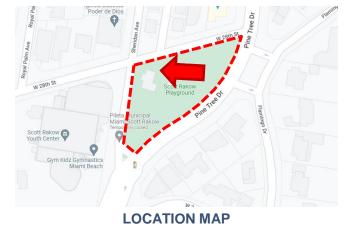
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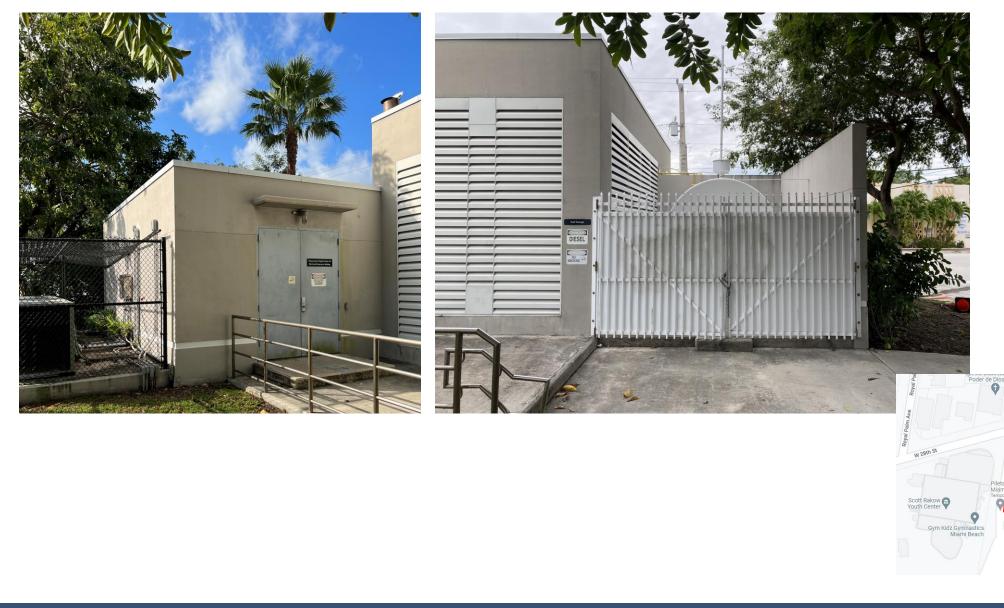


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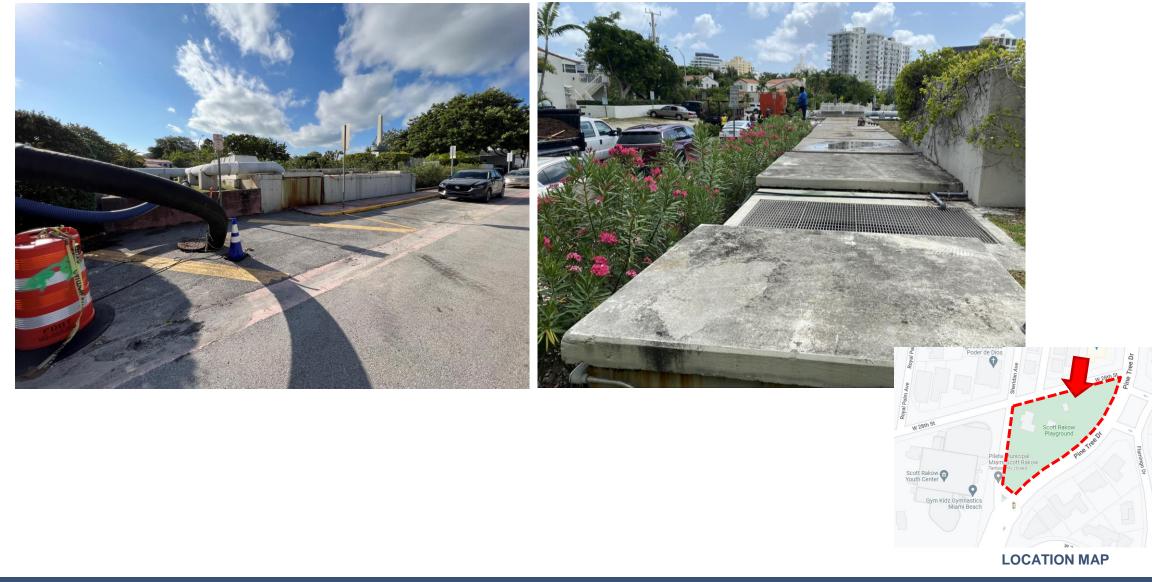




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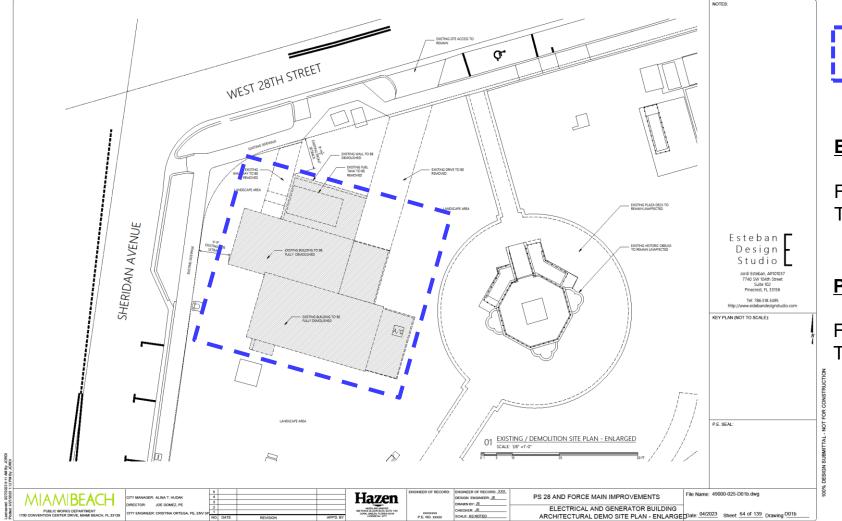
LOCATION MAP



Demolition Overview

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EXISTING ELECTRICAL & GENERATOR BLDG FULL DEMOLITION

Existing Building Characteristics:

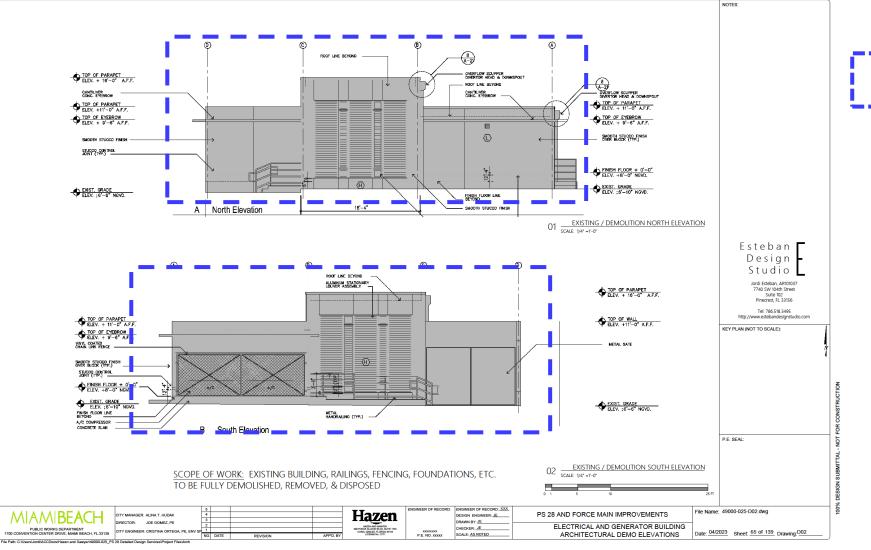
Finished Floor Elevation: 8.00' - NGVD 29 Top of Parapet Elevation: 24.00' – NGVD 29

Proposed Building Characteristics

Finished Floor Elevation: 11.50' - NGVD 29 Top of Parapet Elevation: 28.50' – NGVD 29

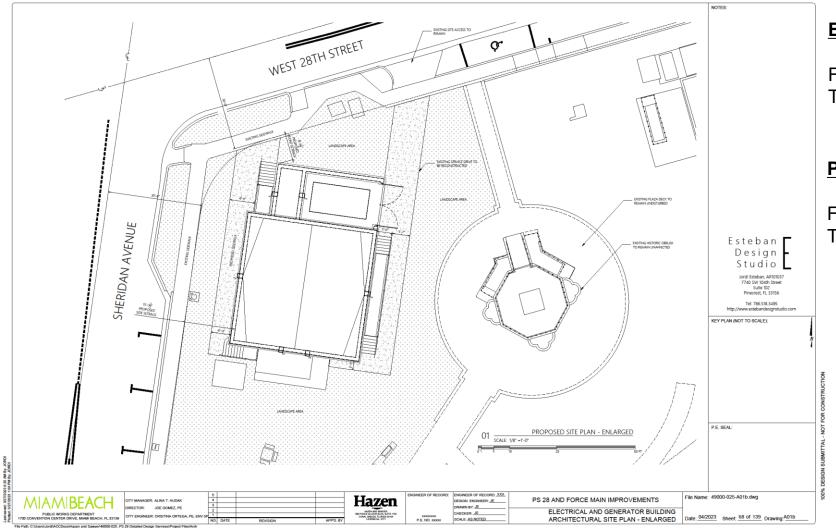
Demolition Overview

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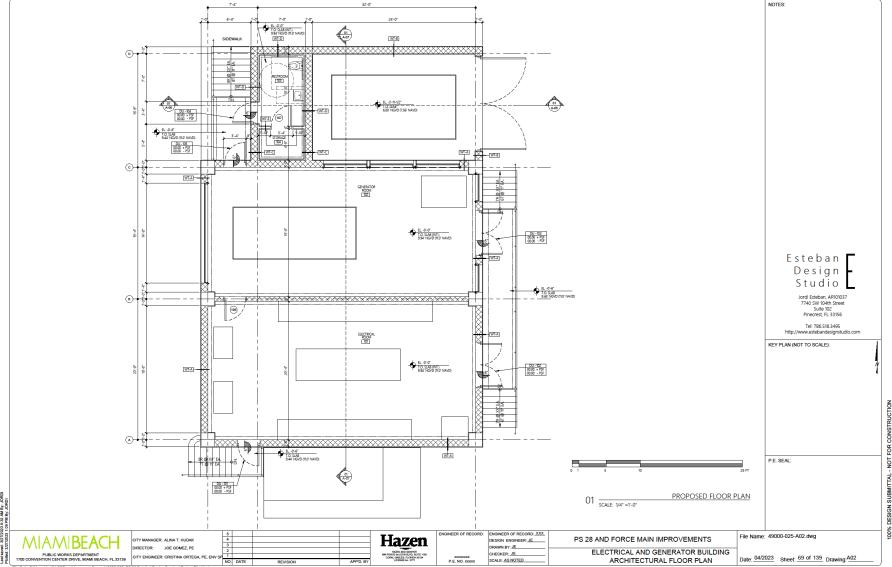
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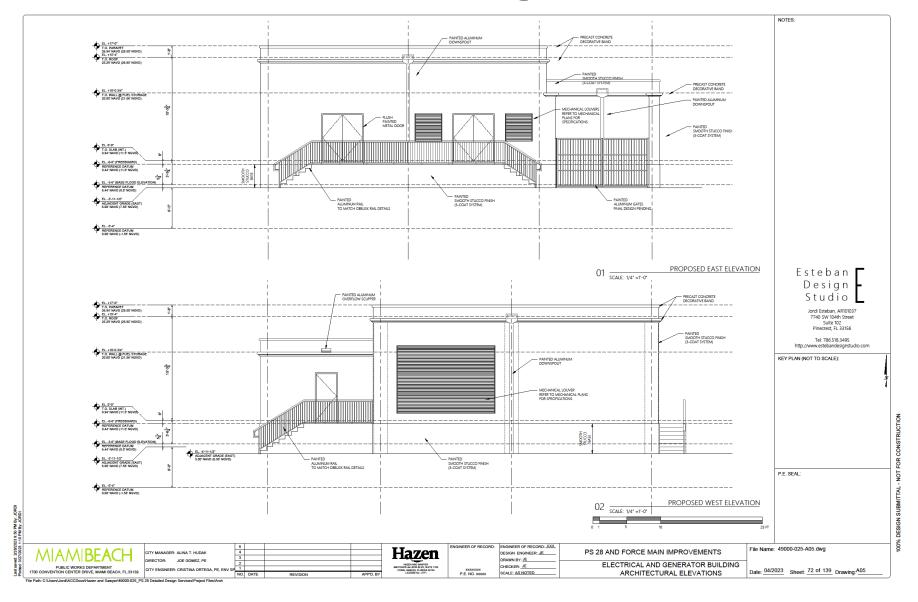
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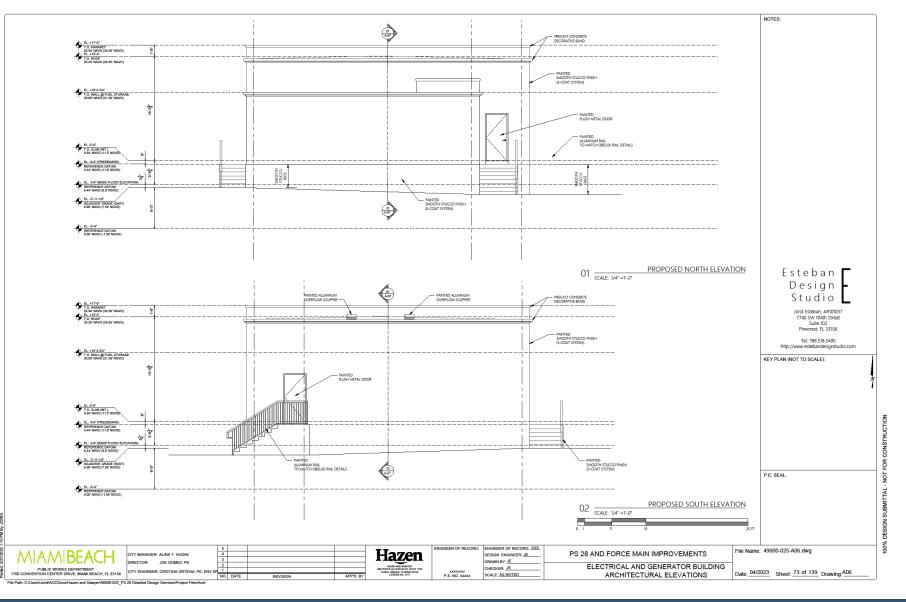
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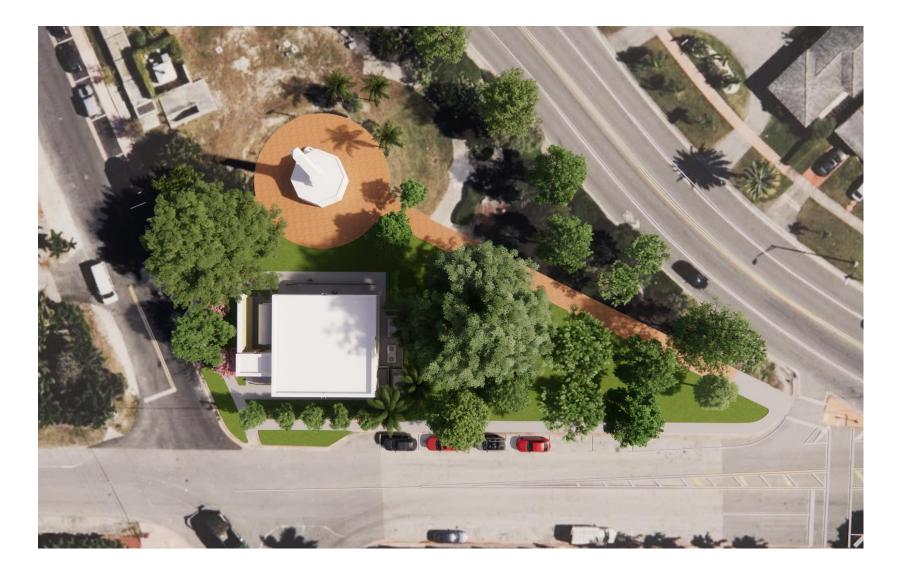


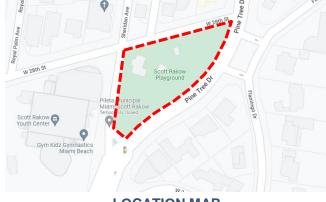
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LOCATION MAP

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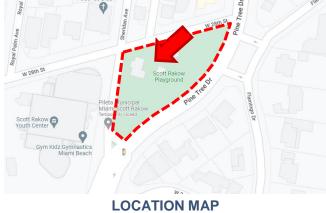




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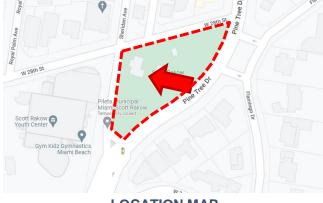
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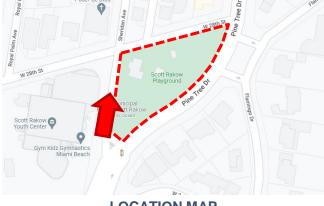




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