



# MAMBEACHPump Station 28 and Force MainImprovements

Design Review Board Meeting – April 4, 2023

# Introductions

### **Presentation Outline**

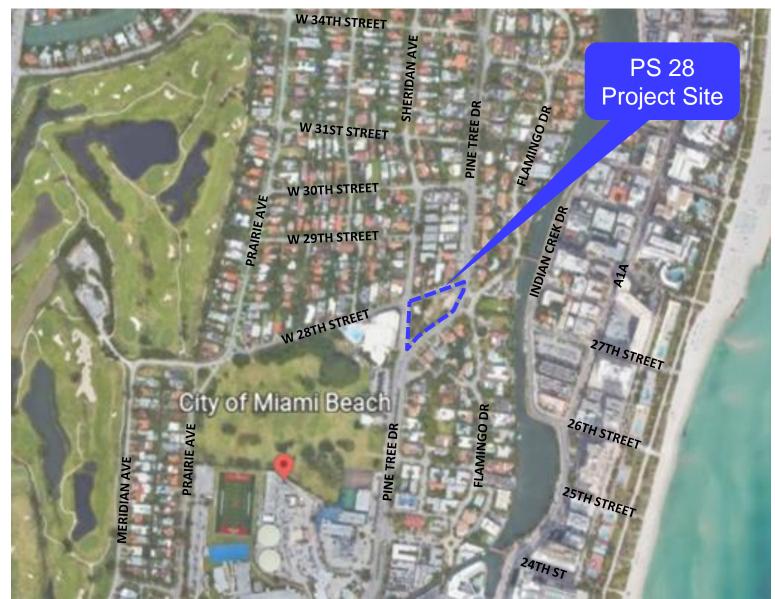
- Scope Overview
- Existing Facility Photos
- Demolition Overview
- New Electrical and Generator Building
  - Drawings
  - Renderings



# **Scope Overview**

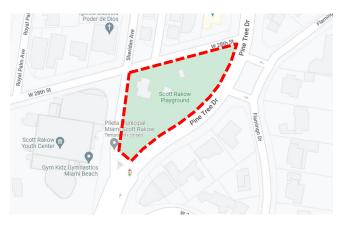
#### **Scope Overview**

- 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 )



# MIAMIBEACH





LOCATION MAP

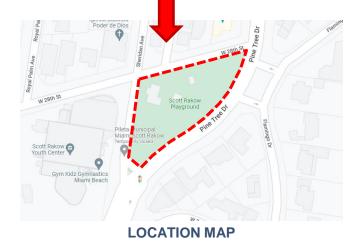
# MIAMIBEACH





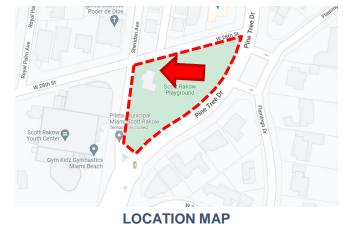
**LOCATION MAP** 



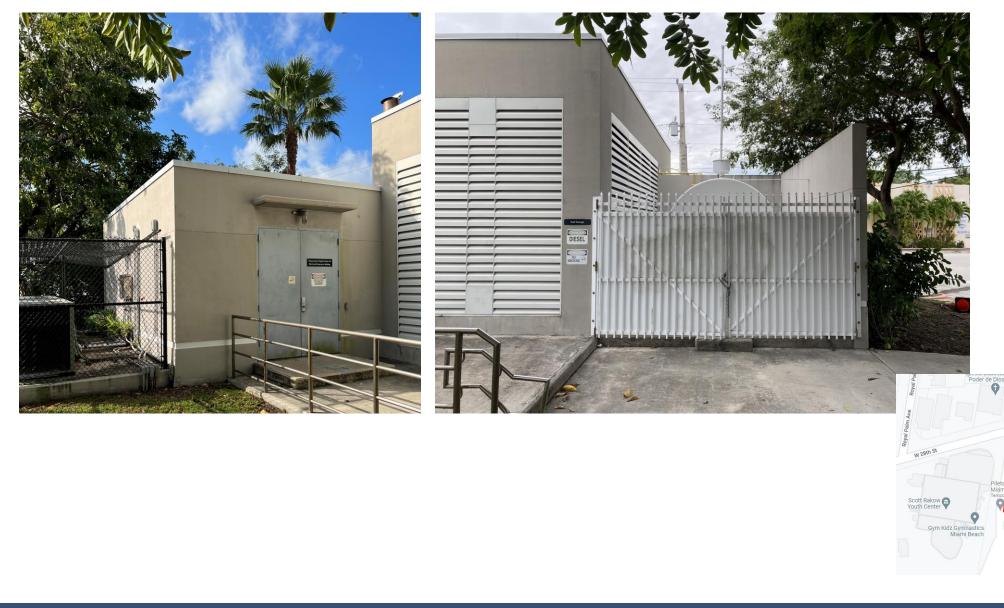


# MIAMIBEACH

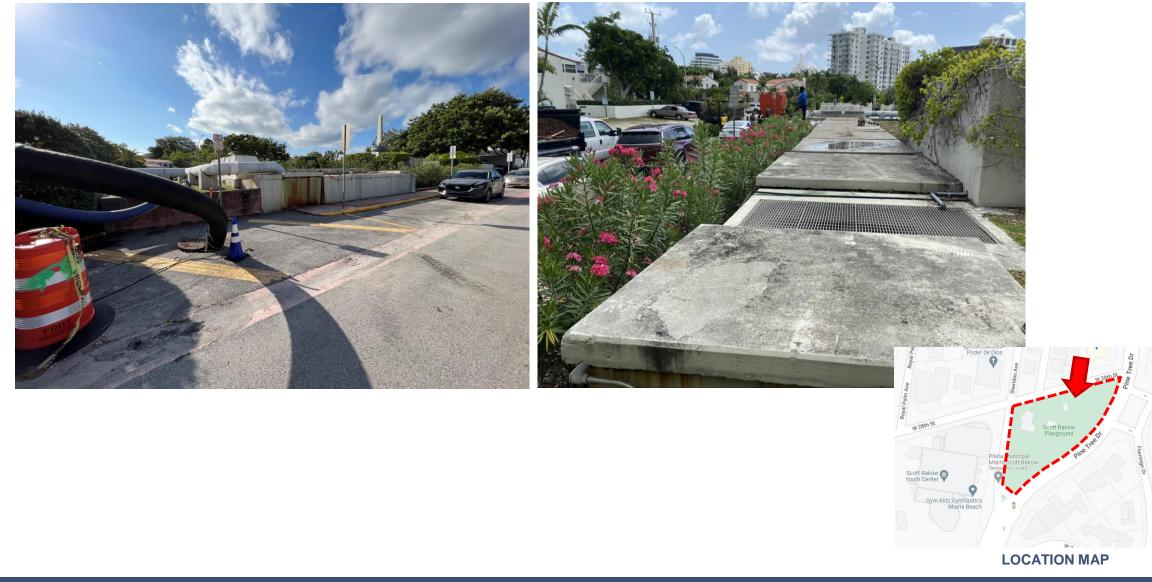




# MIAMIBEACH



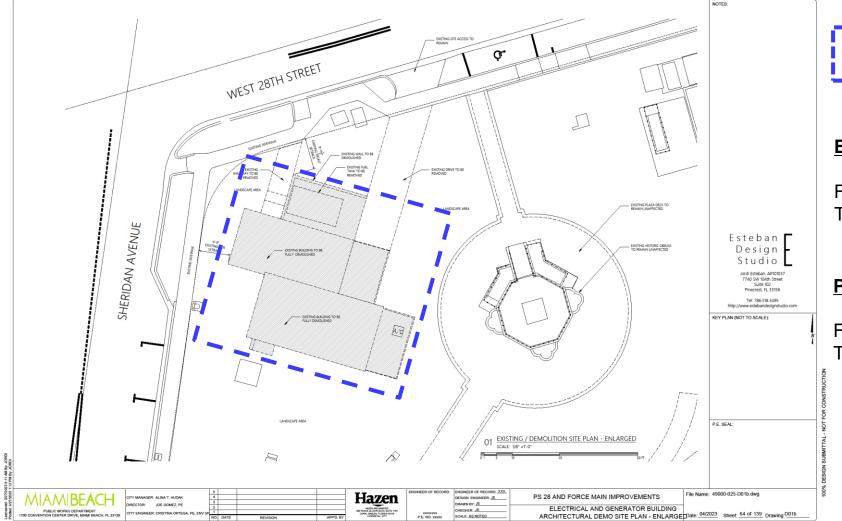
LOCATION MAP



# **Demolition Overview**

### **Demolition Overview**

# MIAMIBEACH



EXISTING ELECTRICAL & GENERATOR BLDG FULL DEMOLITION

#### **Existing Building Characteristics:**

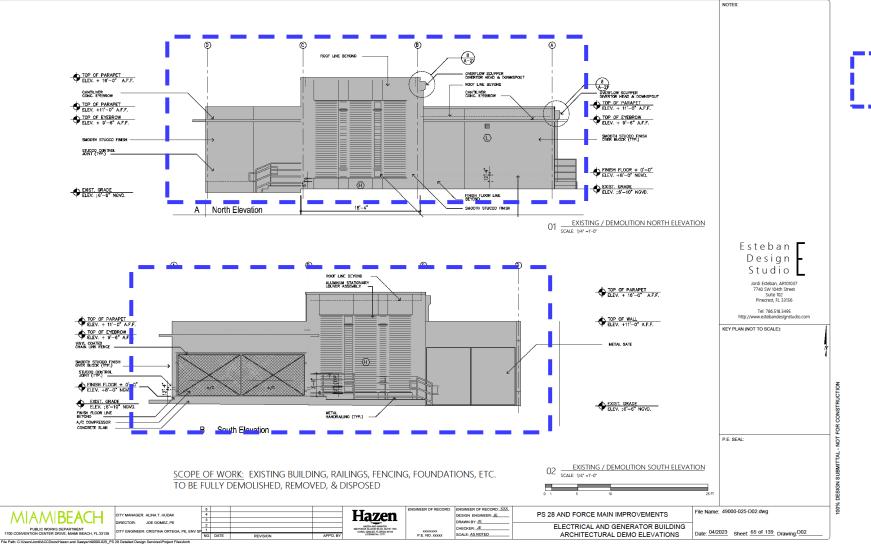
Finished Floor Elevation: 8.00' - NGVD 29 Top of Parapet Elevation: 24.00' – NGVD 29

#### **Proposed Building Characteristics**

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

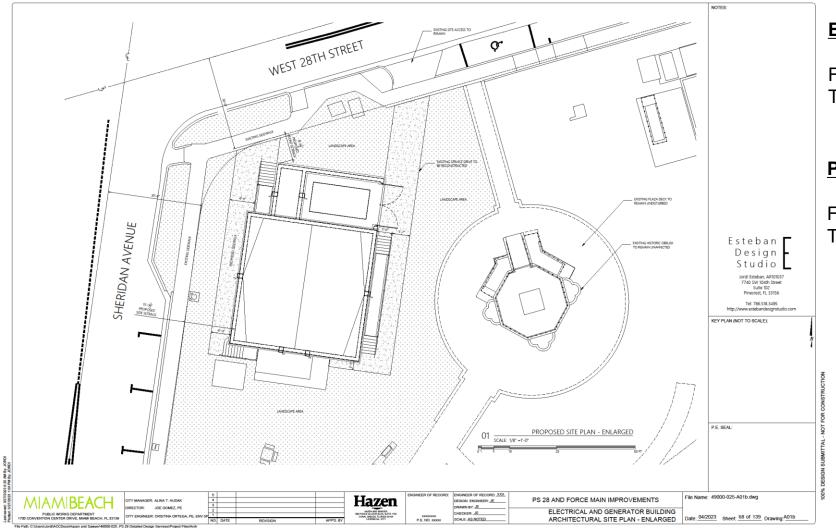
### **Demolition Overview**

## MIAMIBEACH



#### --- EXISTING ELECTRICAL & GENERATOR BLDG FULL DEMOLITION

# MIAMIBEACH



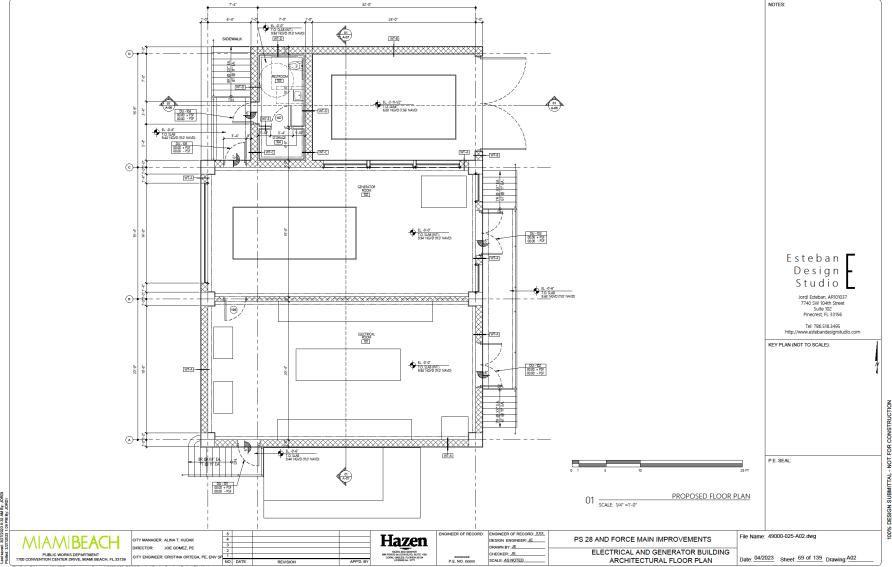
#### **Existing Building Characteristics:**

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

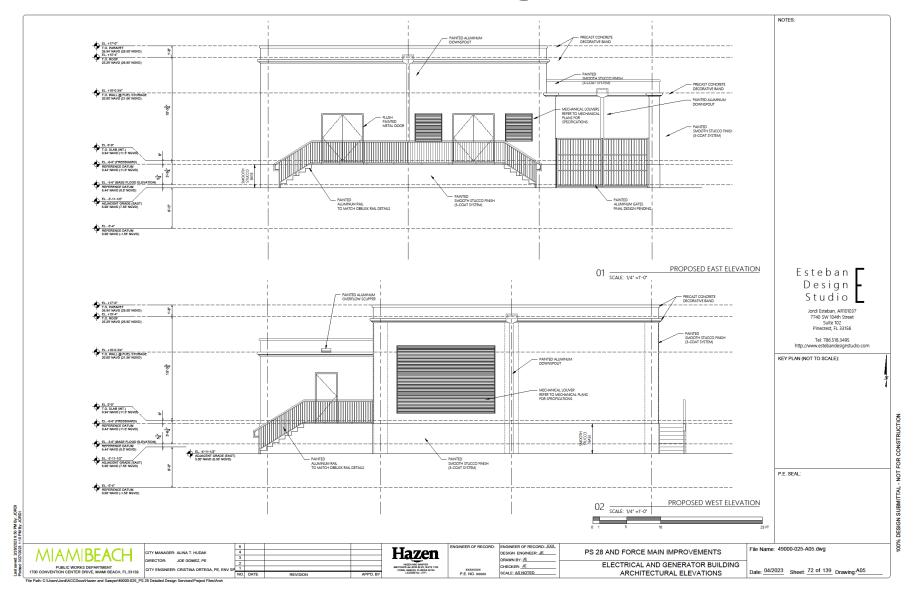
#### **Proposed Building Characteristics**

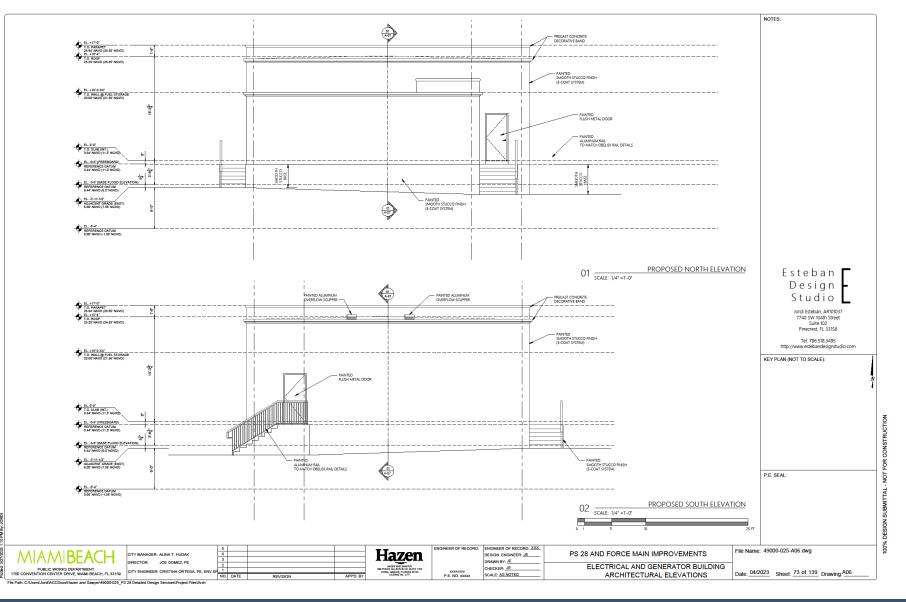
Finished Floor Elevation: 11.50' - NGVD 29 Top of Parapet Elevation: 28.50' – NGVD 29

## MIAMIBEACH

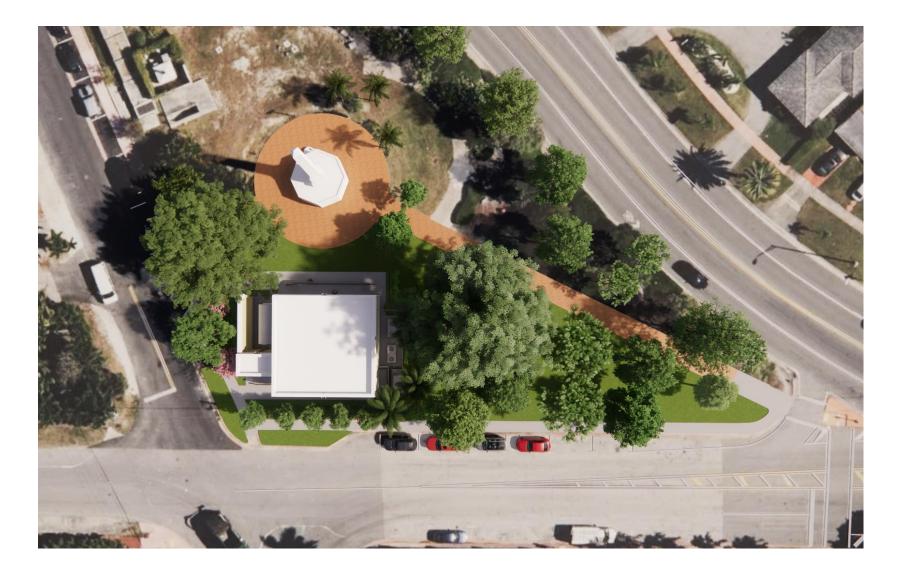


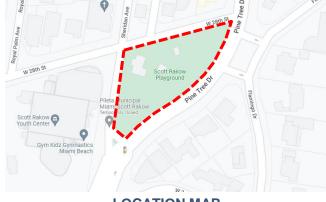
File Path: C:\Users\Jordi\ACCDocs\Hazen and Sawyer\40000-025\_PS 28 Detailed Design Services\Project Files\Arc





# MIAMIBEACH





LOCATION MAP

# MIAMIBEACH

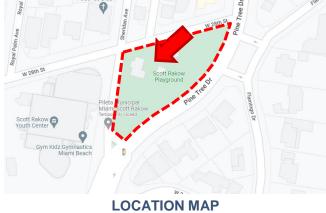




**LOCATION MAP** 

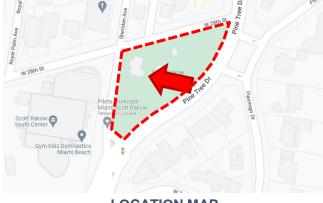
# MIAMIBEACH





# MIAMIBEACH





**LOCATION MAP** 

# MIAMIBEACH





**LOCATION MAP** 

# MIAMIBEACH





**LOCATION MAP**