

# TERMINAL ISLAND WATER BOOSTER PUMP STATION HARDENING



chen moore and associates

112 Terminal Island, Miami Beach,  
Florida 33139

# Project Scope - DEO Funded

- New permanent on-site generator
  - Portable generator connections for both pump stations
  - Automatic transfer switch
- Replacement of air handler unit
- Replacement of site perimeter fencing & new access gate
- Topographic survey and Geotechnical Exploration
- First floor exterior door/door frame improvements
- Second floor door/door frame improvements



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# Project Scope - City Funded

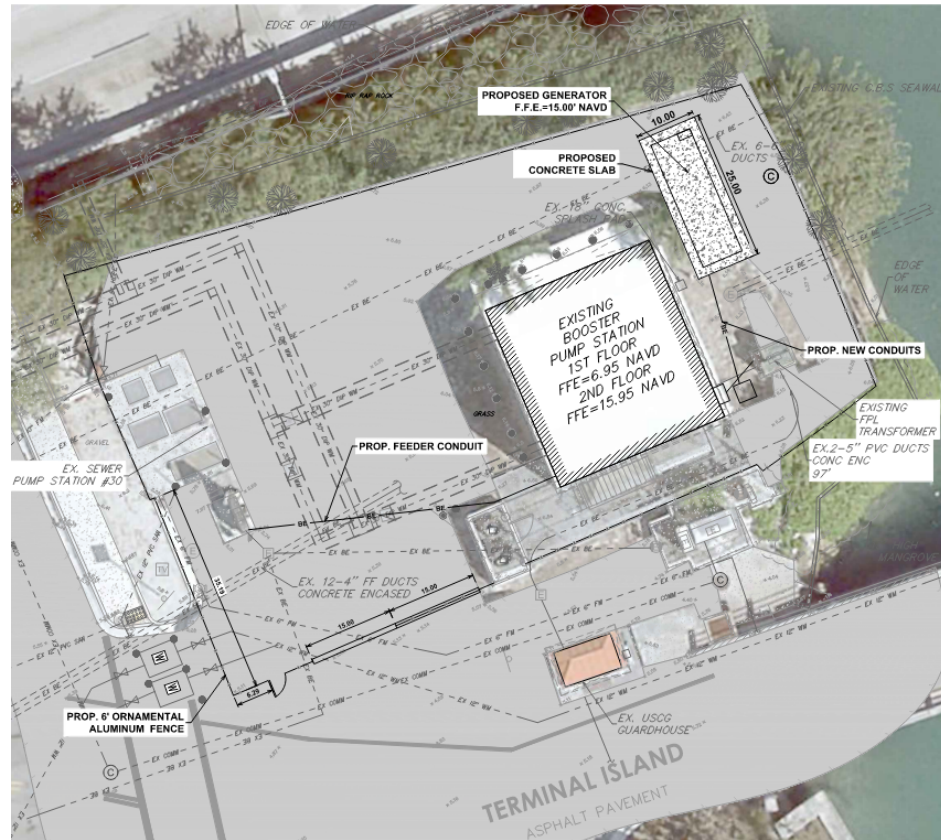
- New overhead pulley system
- New roof access ladder
- New SCADA-compatible flowmeter
- New Mechanical pressure sensor
- Replacement of:
  - Internal pipe/ground interface seals
  - Pumps
  - Valves
  - Bypass piping
  - Broken/cracked concrete curbs
- Temporary bypass system



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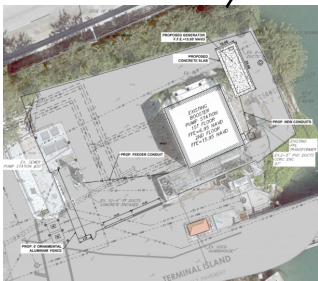
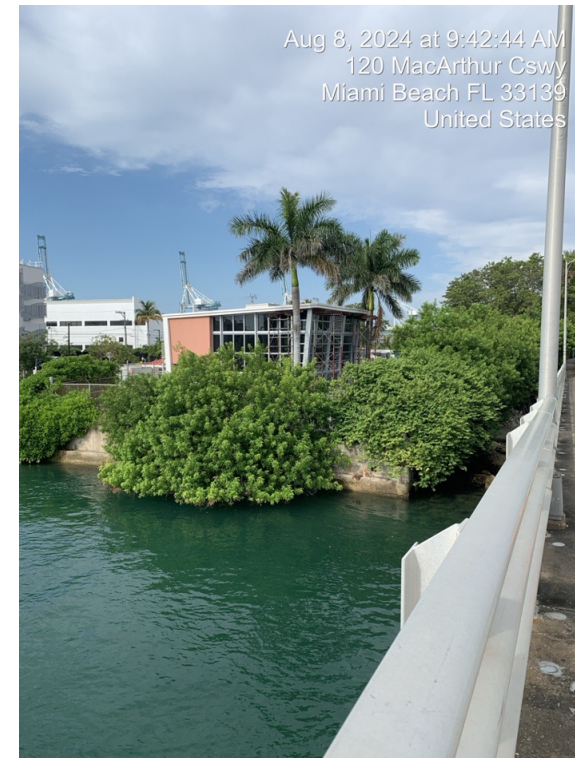


# Booster Pump Station Hardening Plans

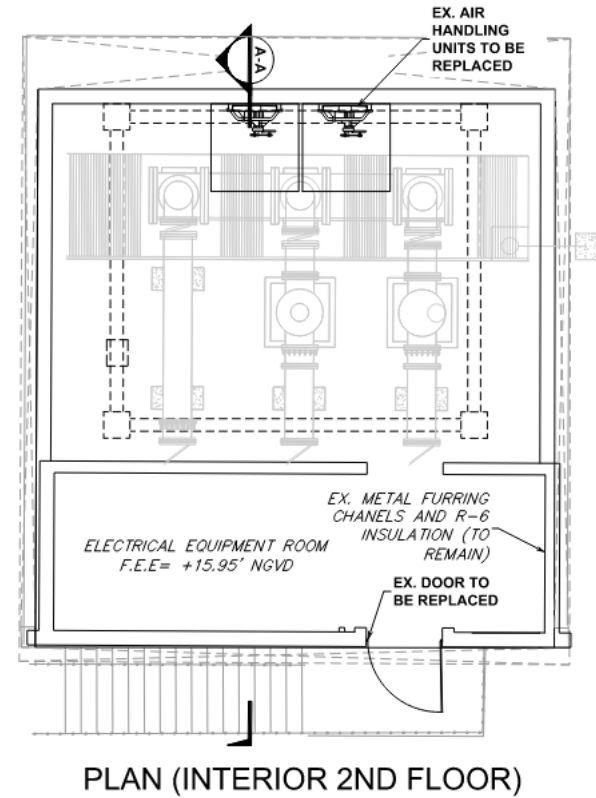
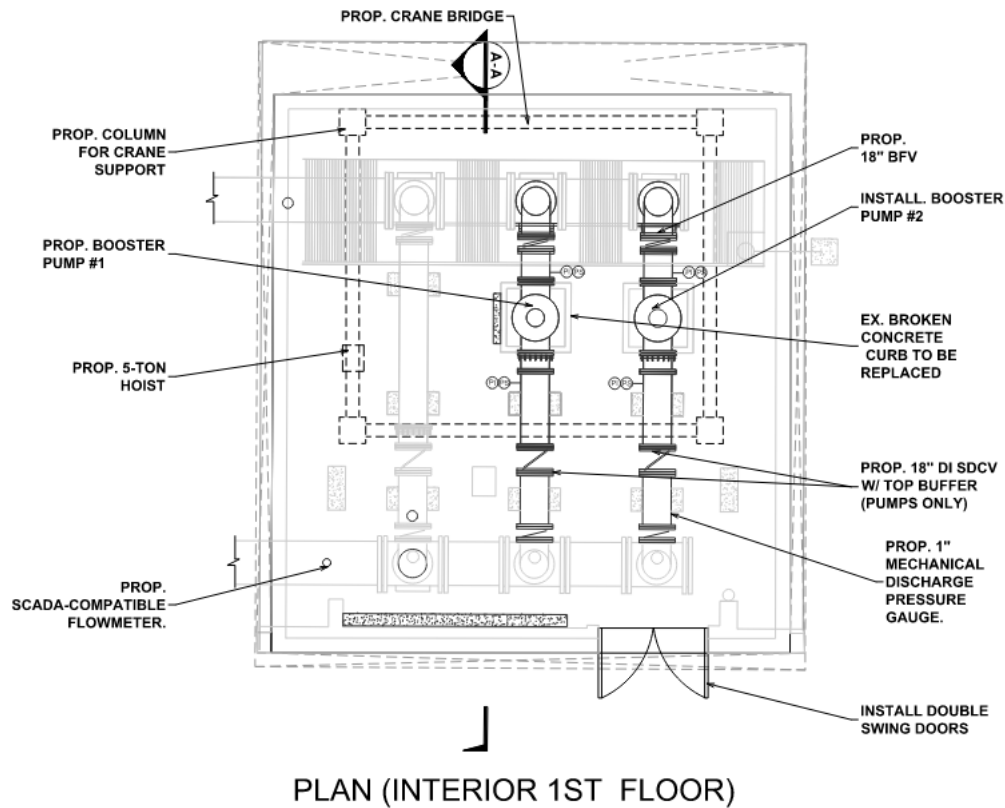


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# Pump Station views from MacArthur Causeway

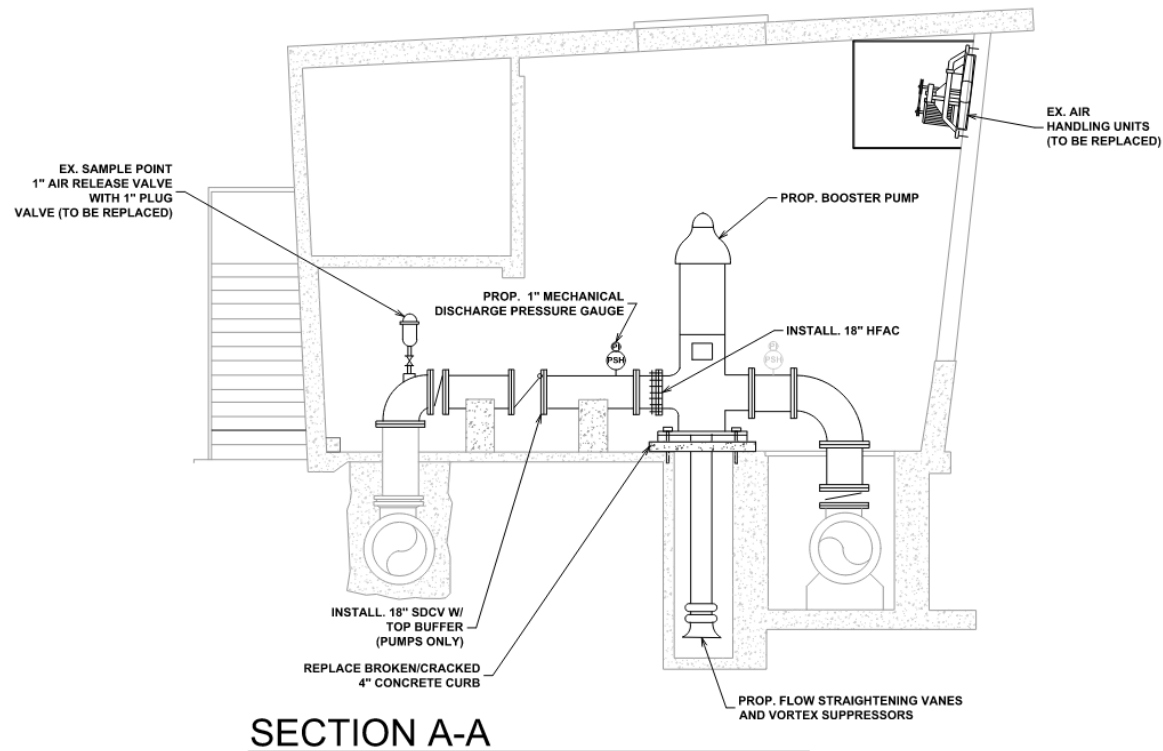


# Booster Pump Station Hardening Plans (cont.)



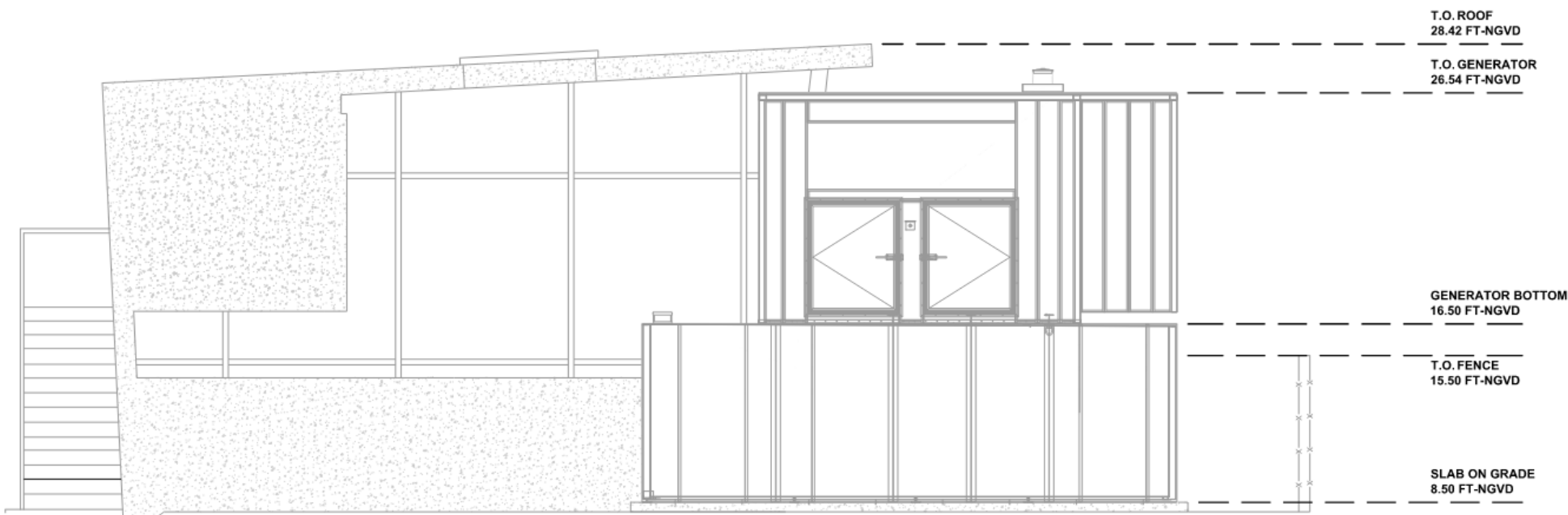
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# Booster Pump Station Hardening Sections



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# Booster Pump Station Hardening Sections (cont.)



NOTE: SECTION IS INCLUSIVE OF RAISING OF KNEE WALL TO ELEVATION 14.63 FT-NGVD PER CITY OF MIAMI BEACH BUILDING DEPARTMENT PERMIT NO. BC2321897

EAST FACADE

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