

**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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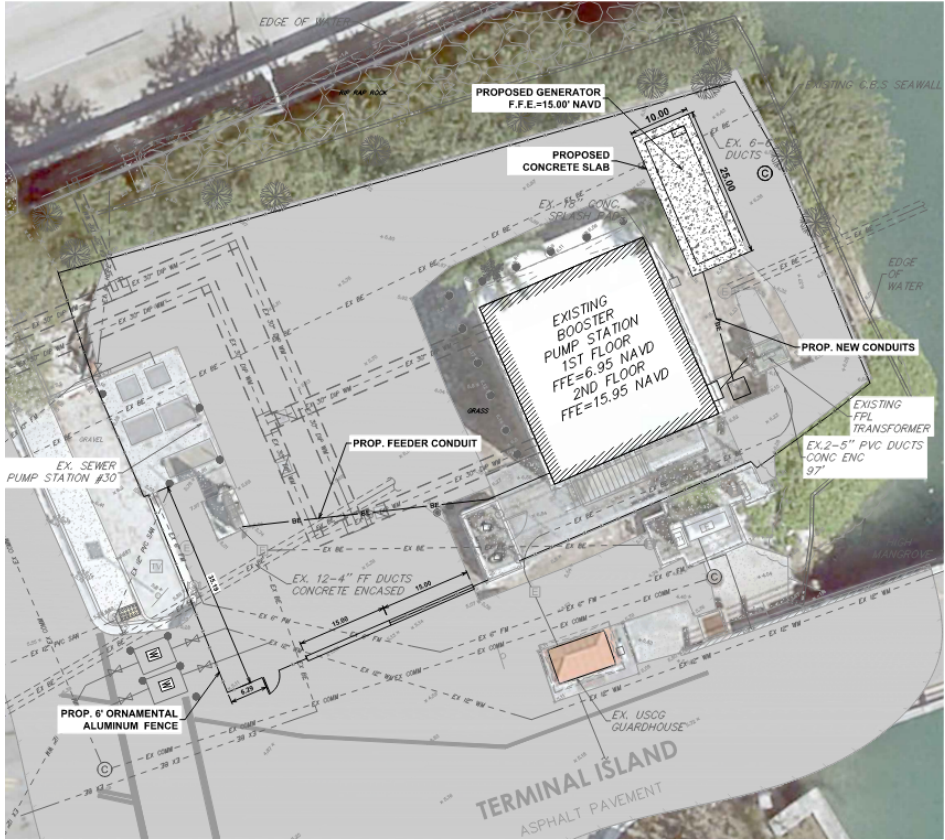
Project Scope - City Funded

- 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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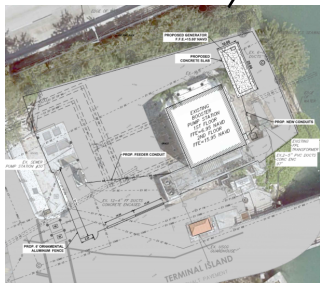
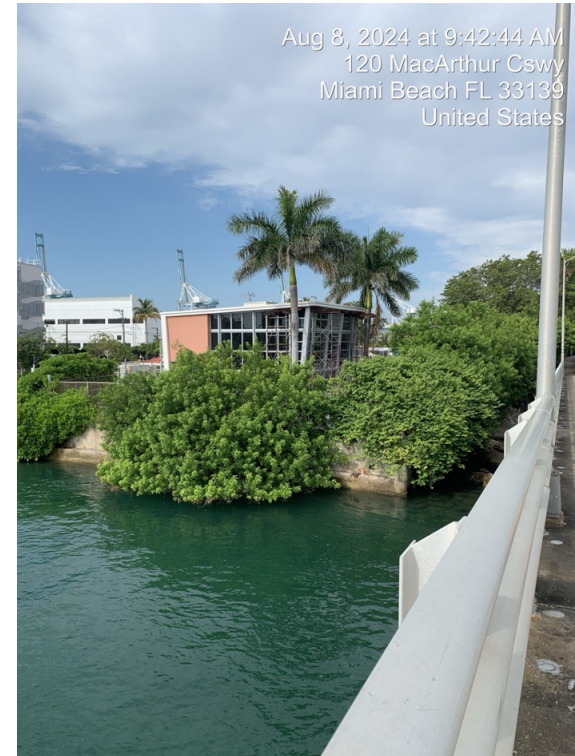
Booster Pump Station Hardening Plans



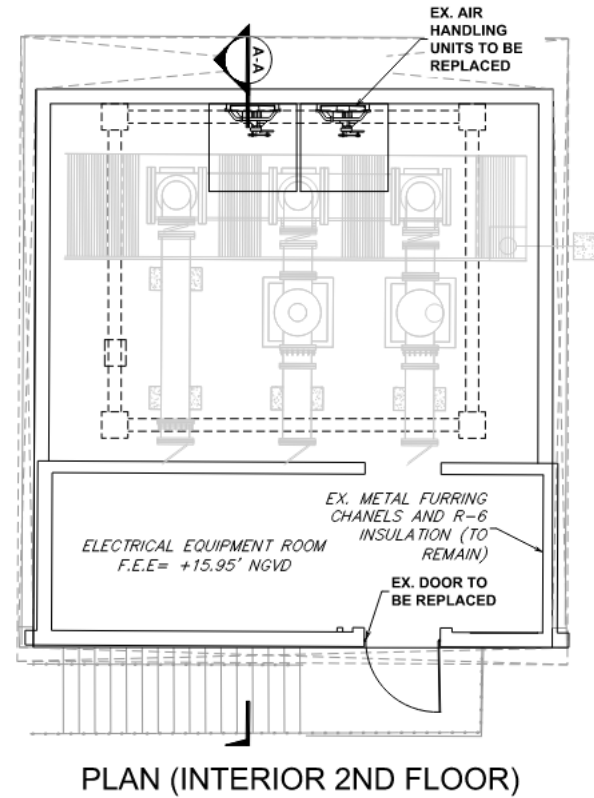
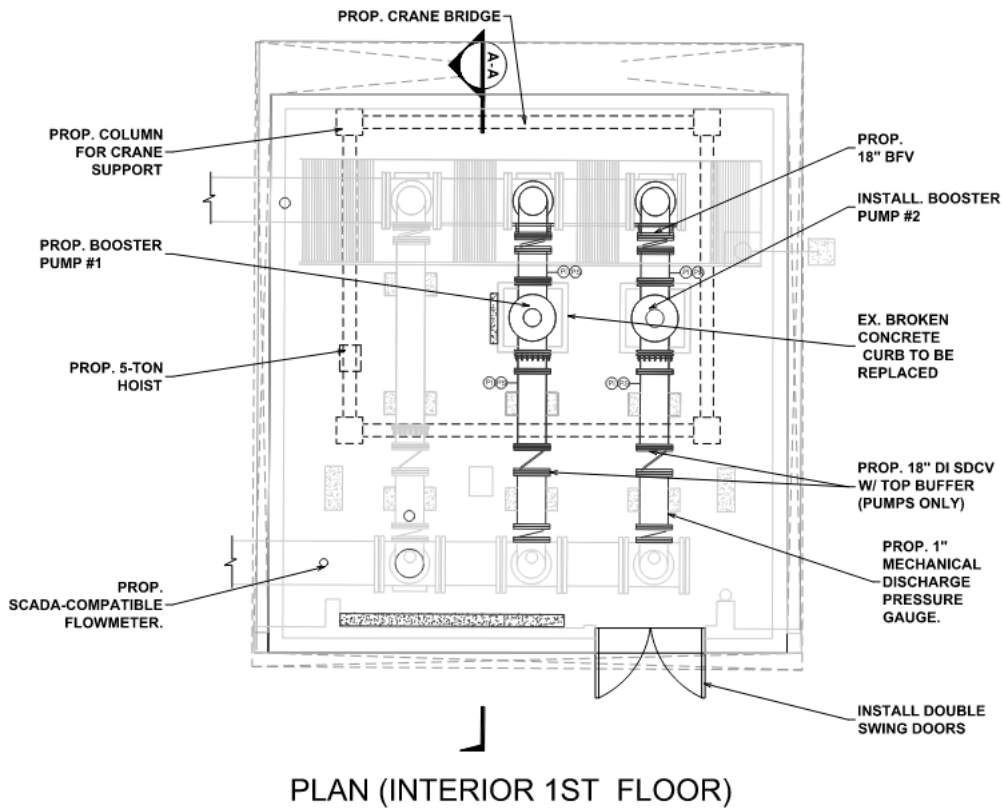
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Pump Station views from MacArthur Causeway

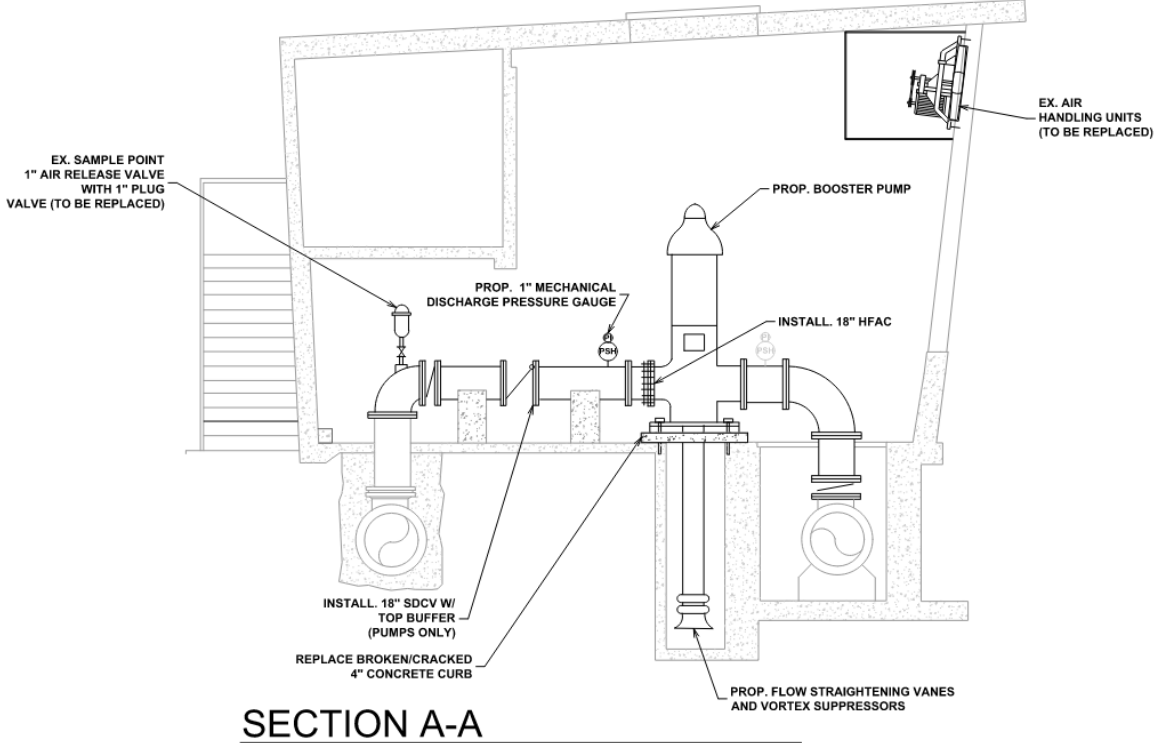


Booster Pump Station Hardening Plans (cont.)



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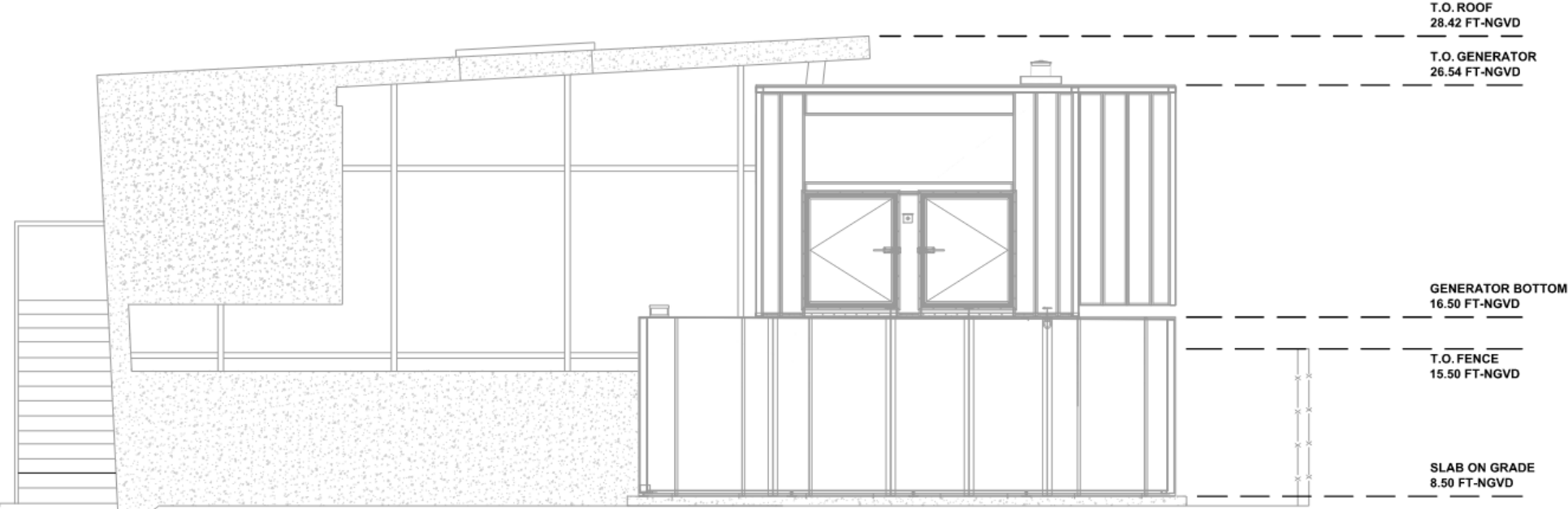
Booster Pump Station Hardening Sections



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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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