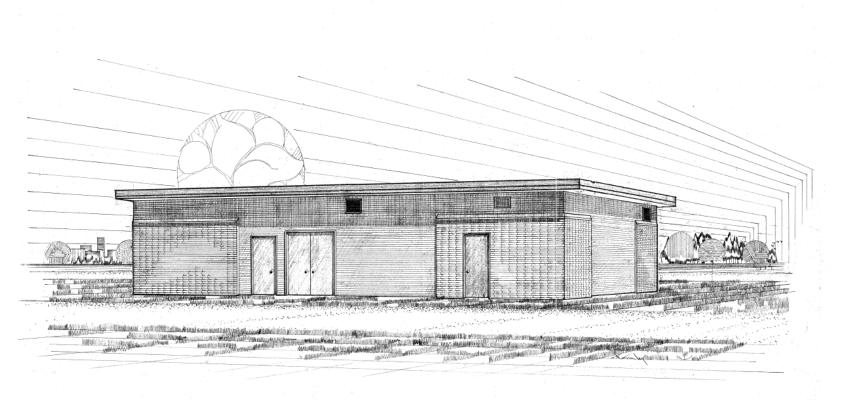
Project Update:

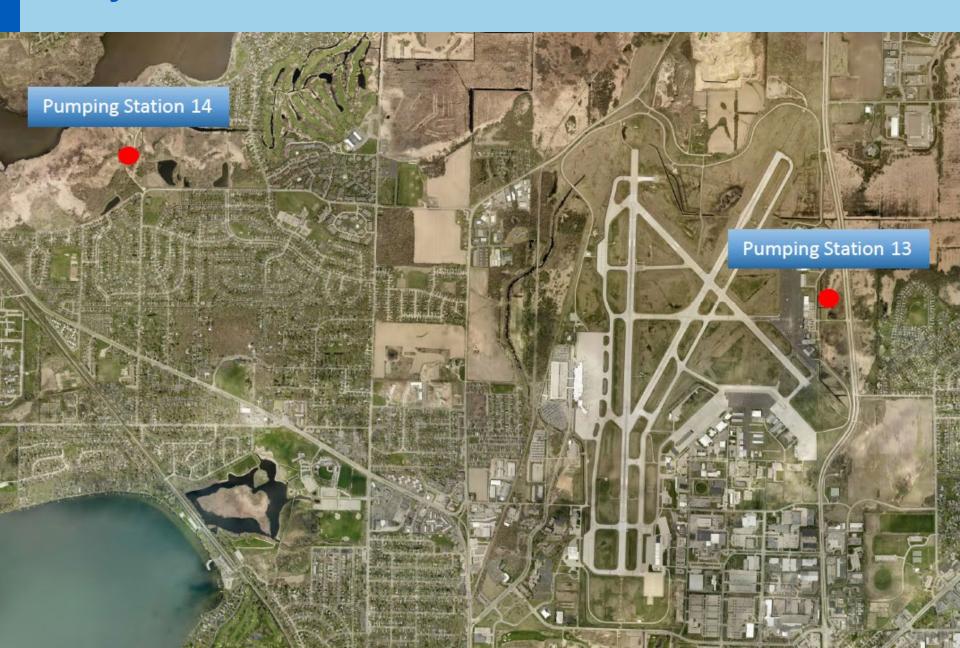
Pumping Stations 13 & 14 Rehabilitation

PUMPING STATION NO. 13





Project Location



Project Team

Strand Associates

- Paul Dries Project Manager
- Andy Constant
- Dave Gohdes

MMSD Engineering Staff

- Dave Lundey
- John Bembinster
- Eric Hjellen
- Bruce Borelli

MMSD Operations and Maintenance Staff

Erik Rehr & others

MMSD Health and Safety Staff

Kayce Board



Needs

- Additional pumping capacity
- Equipment at the end of its useful life
- Increase in power system reliability
- Safety concerns (wetwell structure and grating)
- Electrical and control equipment outdated and no longer supported
- No HVAC or temperature control
- No major improvements since installation in 1969
- Stations currently rank highest in terms of need



Project Scope

- Increase peak and firm pumping capacity
- Replacement of pumping equipment, valves, and piping
- Enhancement of power system resiliency (includes permanent indoor diesel-powered generators at both stations)
- Replacement of major electrical and control equipment
- Installation of new HVAC and odor control equipment
- Installation of new flow metering equipment
- Major wet well repairs
- Site and access improvements



Project Scope – Power System Resiliency



Existing fence enclosed open type transformers and power transfer switch



Typical new electrical service



New onsite indoor generator at both sites



Project Scope – Major Electrical Equipment



Existing Electrical Equipment

Typical new pump starters



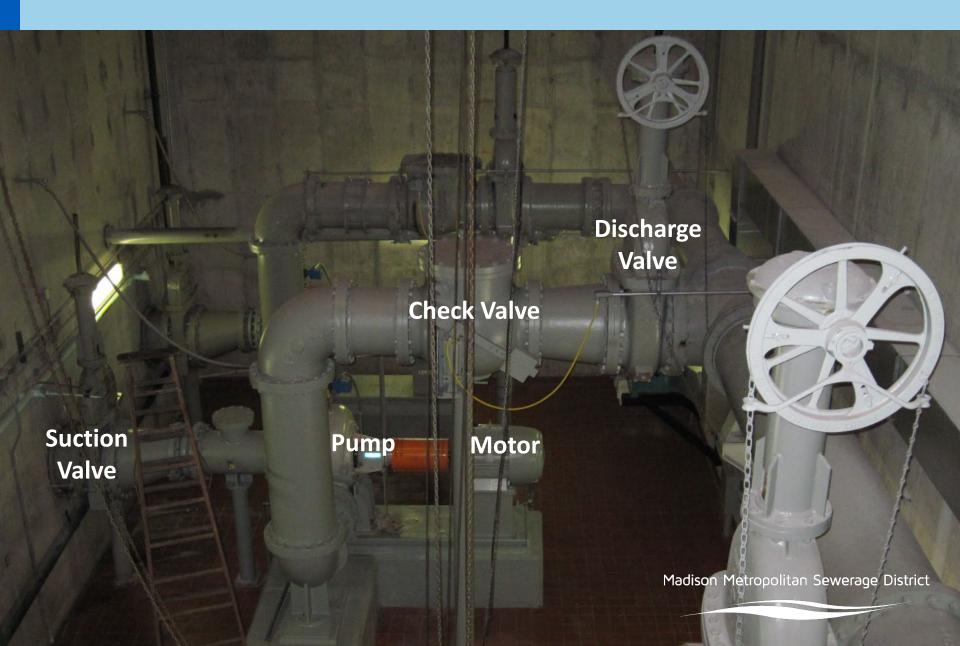


Typical new switchgear

Typical new motor control center and controls



Project Scope - Pumps, Valves, and Piping



Project Scope – HVAC and Odor Control



Existing Supply Fan

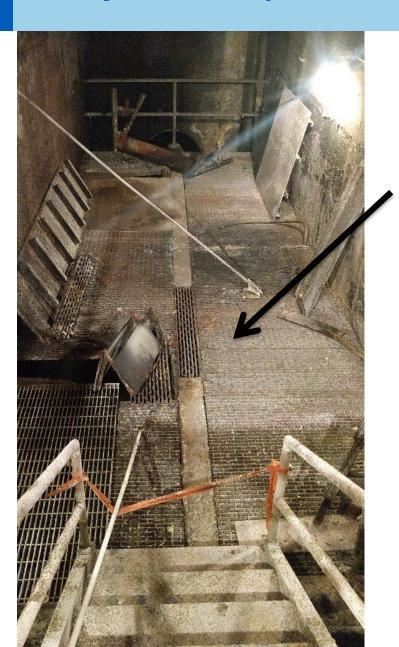
Typical new air handling unit



Typical new odor control unit



Project Scope – Major Wet Well Repairs

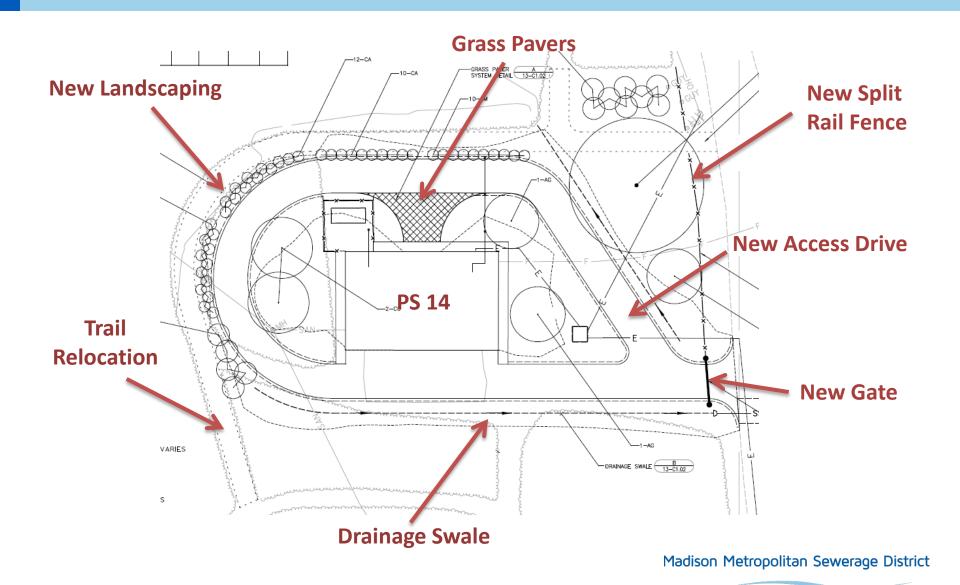


Pump Station 13

Pump Station 14



Project Scope – Site Improvements



Project Schedule

- Advertise in July
- Sewer extension approval July 30, 2020
- Open bids in August
- Commission approval August 27, 2020
- Begin construction late 2020
- Complete construction mid-2022

Madison Metropolitan Sewerage District



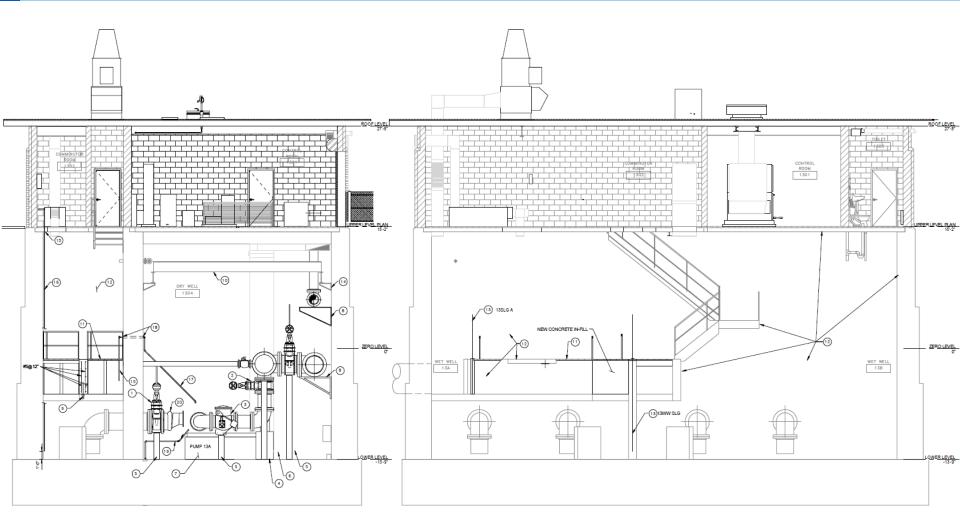
Project Budget

- Construction estimate: \$10,134,600
- Total 2020 budgeted amount: \$11,350,000
- Funded via Clean
 Water Fund loan





Questions?



Madison Metropolitan Sewerage District

