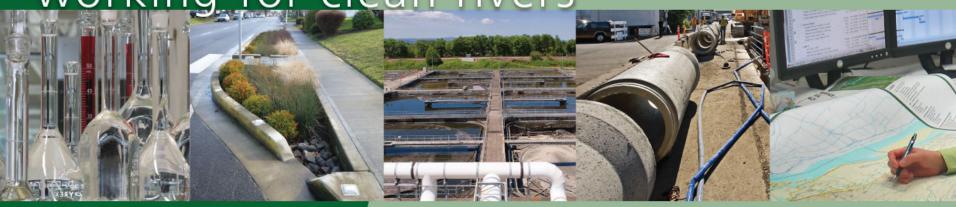
working for clean rivers



## Schmeer Pump Station Upgrade

Project No. E07448

**Council Item #1115** 



NICK FISH, COMMISSIONER MICHAEL JORDAN, DIRECTOR

Daniel J. Hebert, P.E.

Senior Engineer/Overall PM

Bill Ryan, P.E.

Chief Engineer

October 28, 2015

### **Project Requirements**

#### Upgrade the PS to:

- Accommodate future projected flows
- Replace obsolete mechanical & electrical equipment

Most existing equipment is original (circa 1974), and sewage pumps are failing

- Improve pump station reliability
- Improve safety and ease of maintenance

Existing equipment is 30' belowgrade and presents access hazards to maintenance personnel



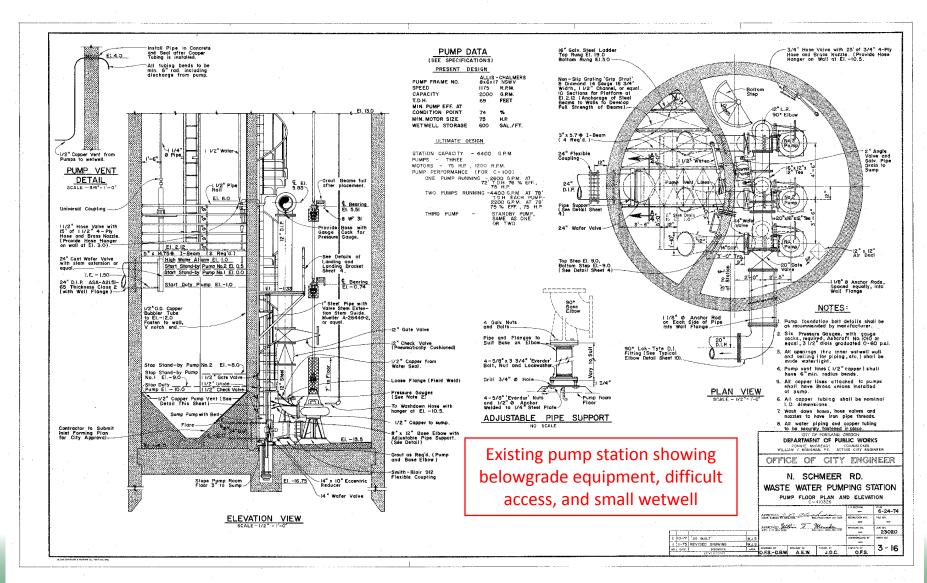


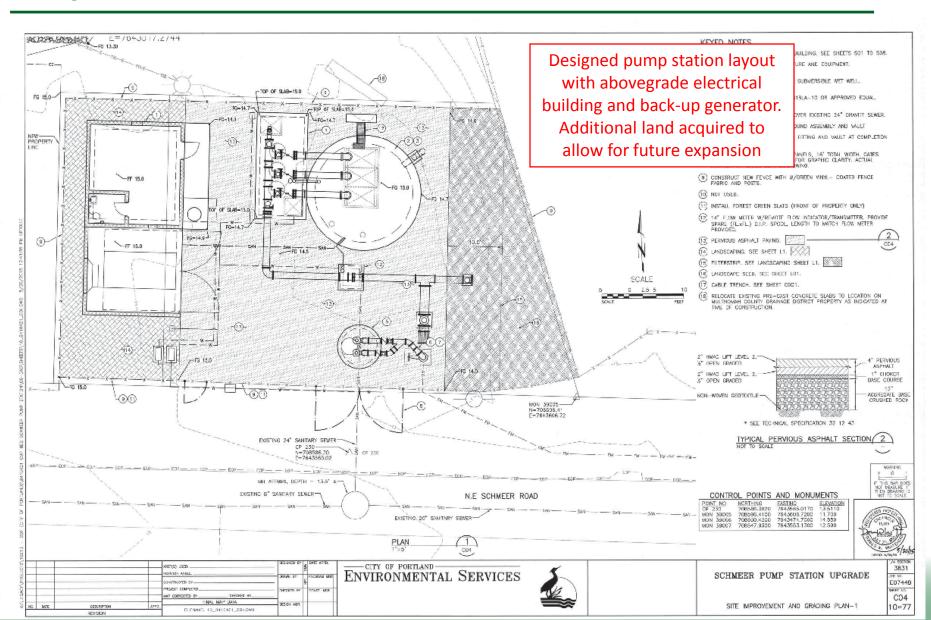


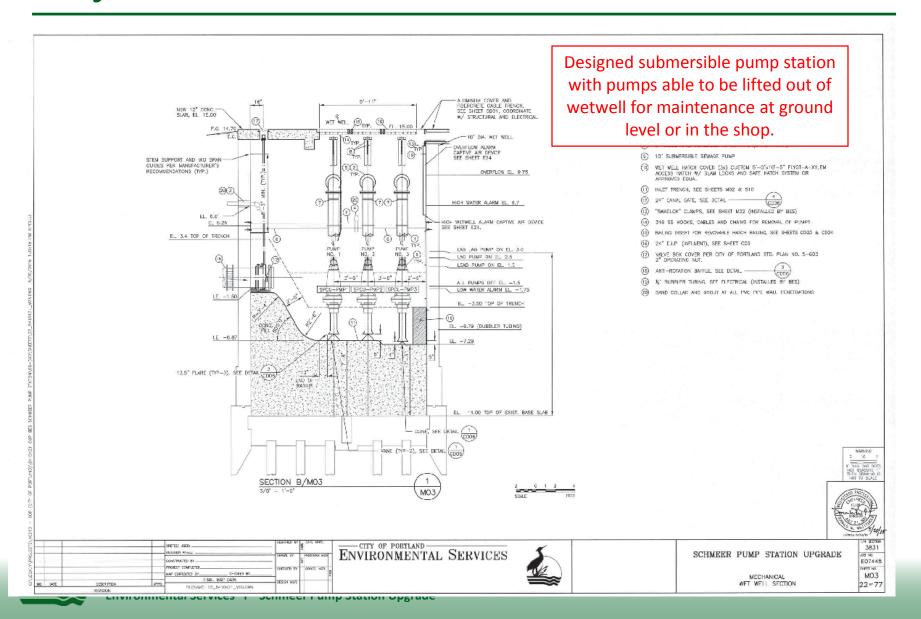
### **Project Objectives**

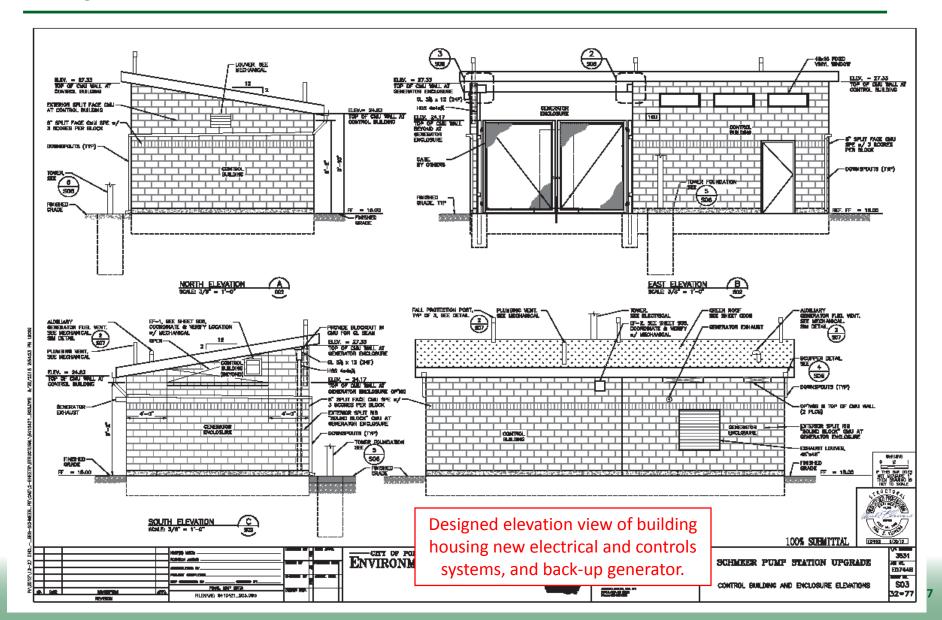
- Convert entire substructure to submersible pump station:
  - Increases size of wet well to accommodate future flows
  - Submersible pump station eliminates confined space entry requirements for maintenance personnel safety Issue
  - New and more efficient pumps/motors replaces obsolete equipment
- Construct above grade electrical building and standby generator enclosure, with new equipment and controls:
  - Eliminates electrical equipment in belowgrade structures
  - Standby generator provides back-up power to prevent overflows to slough
  - New electrical equipment and controls replaces obsolete equipment
- Site improvements:
  - Allows for onsite stormwater treatment and odor control, and future expansion
  - Allows for ease of access and maintenance











#### **Project Budget and Schedule**

- The estimated construction contract cost is \$1,800,000.
- Confidence in the estimate is optimal.
- Project costs through 9/22/2015 for predesign, design, and permitting are \$522,000.
- Total project cost is estimated at \$2,512,000.
- Proposed Project Schedule:

_	Advertise for Bid	12/01/2015
_	Bid Opening	12/22/2015
_	Award and Notice to Proceed	03/01/2016
_	Complete Construction	03/31/2017



#### **Questions**

# Thank you

