

working for clean rivers



# **E11356 Sullivan Pump Station Safety Improvements Project**

## **Council Item 311**

Portland City Council | April 20, 2022

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**Engineering Manager**

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**Project Manager**



**ENVIRONMENTAL SERVICES**  
**CITY OF PORTLAND**

MINGUS MAPPS, COMMISSIONER  
MICHAEL JORDAN, DIRECTOR

# Project Overview

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- Goal: Deliver safety improvements in a speedy manner to improve working conditions for operations and maintenance personnel
- These safety issues have been a concern for many years, and some have led to time-loss injuries



# Project Overview

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- Build platforms in locations that will improve safe access to pumps and shaft protection cages





# Project Overview

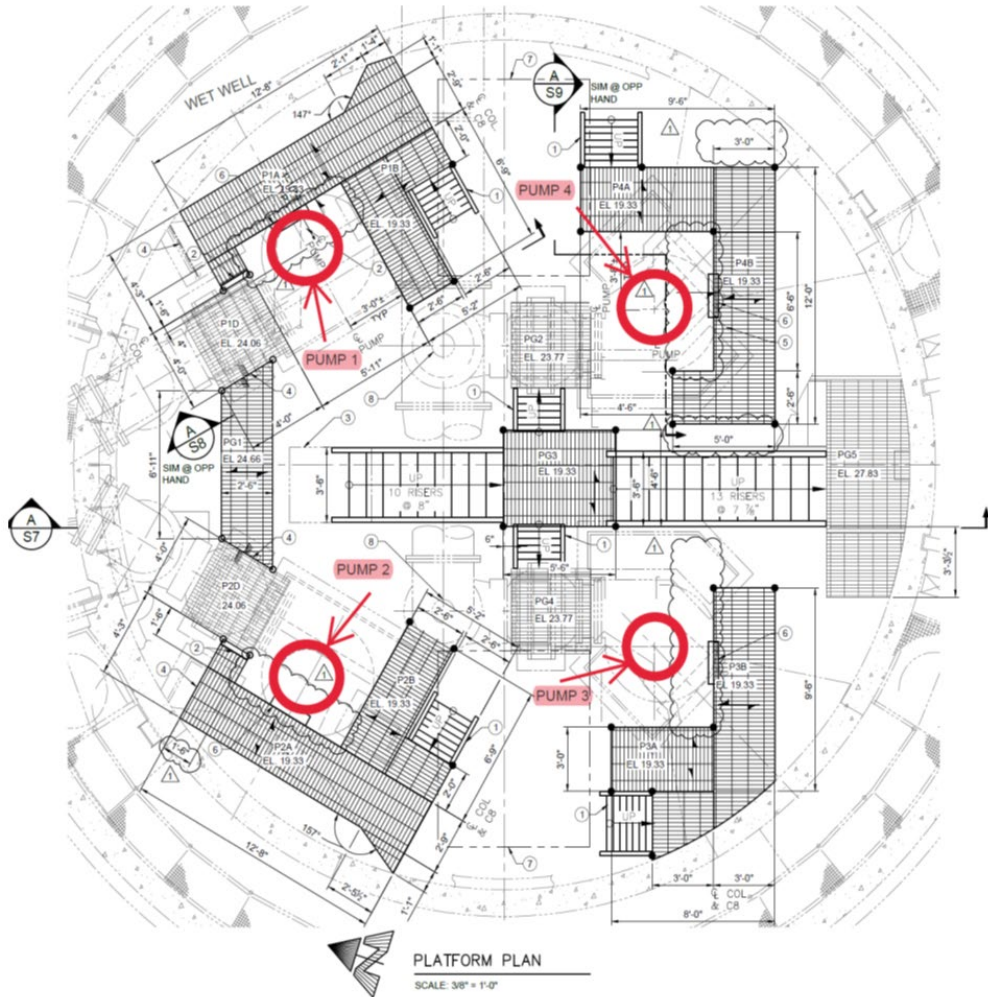
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- Eliminate continual need to use steep ships stairs



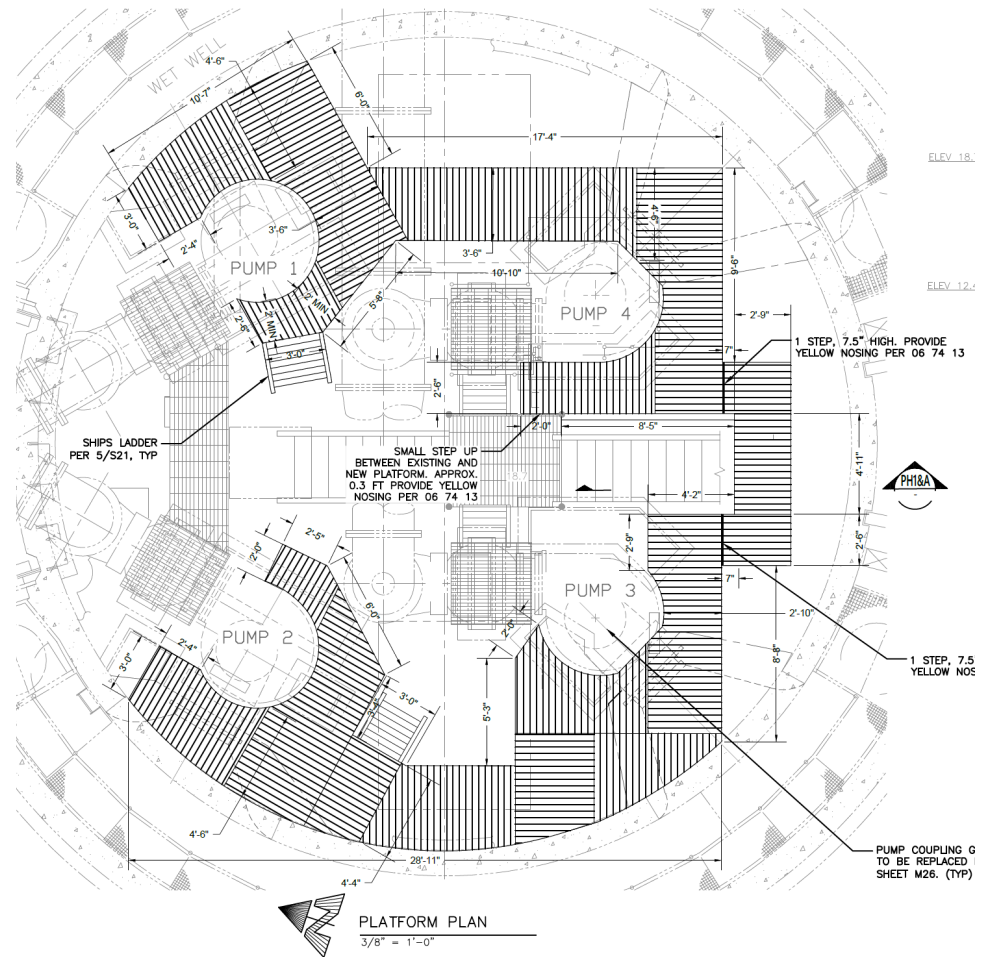
# Project Overview

- Existing Platform Layout:



# Project Overview

- Proposed Platform Layout:



# Project Overview

- Enlarge existing platform to provide safer access to mechanical equipment





# Project Overview

- Add permanent ladder and guardrail for safer access to mechanical equipment
- Meet OSHA requirements for fall protection





# Project Overview

- Relocate light fixtures that are currently difficult and unsafe to access



# Project Overview

- Relocate hydraulic valves that are currently difficult and unsafe to access



# Engineer's Estimate & Schedule

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## Engineer's Estimate:

- \$1,040,000
- High Confidence Level
- Influenced by current labor market, price of steel and supply chain concerns

## Advertise Project:

- May 2022

## Begin Construction:

- September 2022

## Construction Duration:

- 1 year





# Questions

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**Q & A**

