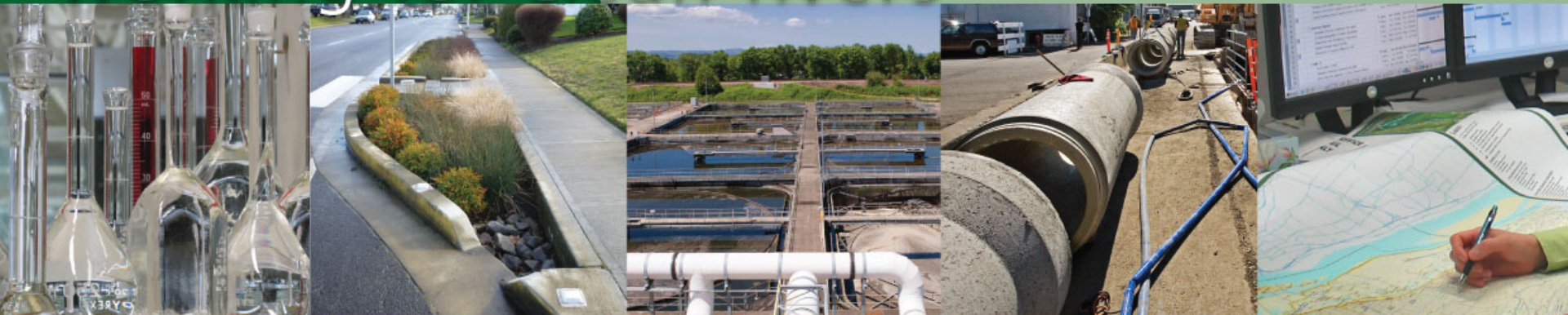


# working for clean rivers



## **Alder Pump Station Upgrade** **BES Project Number E10359**

**Engineering Services**  
Bureau of Environmental Services

November 30, 2016

Council Agenda Item #1332



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

NICK FISH, COMMISSIONER  
MICHAEL JORDAN, DIRECTOR

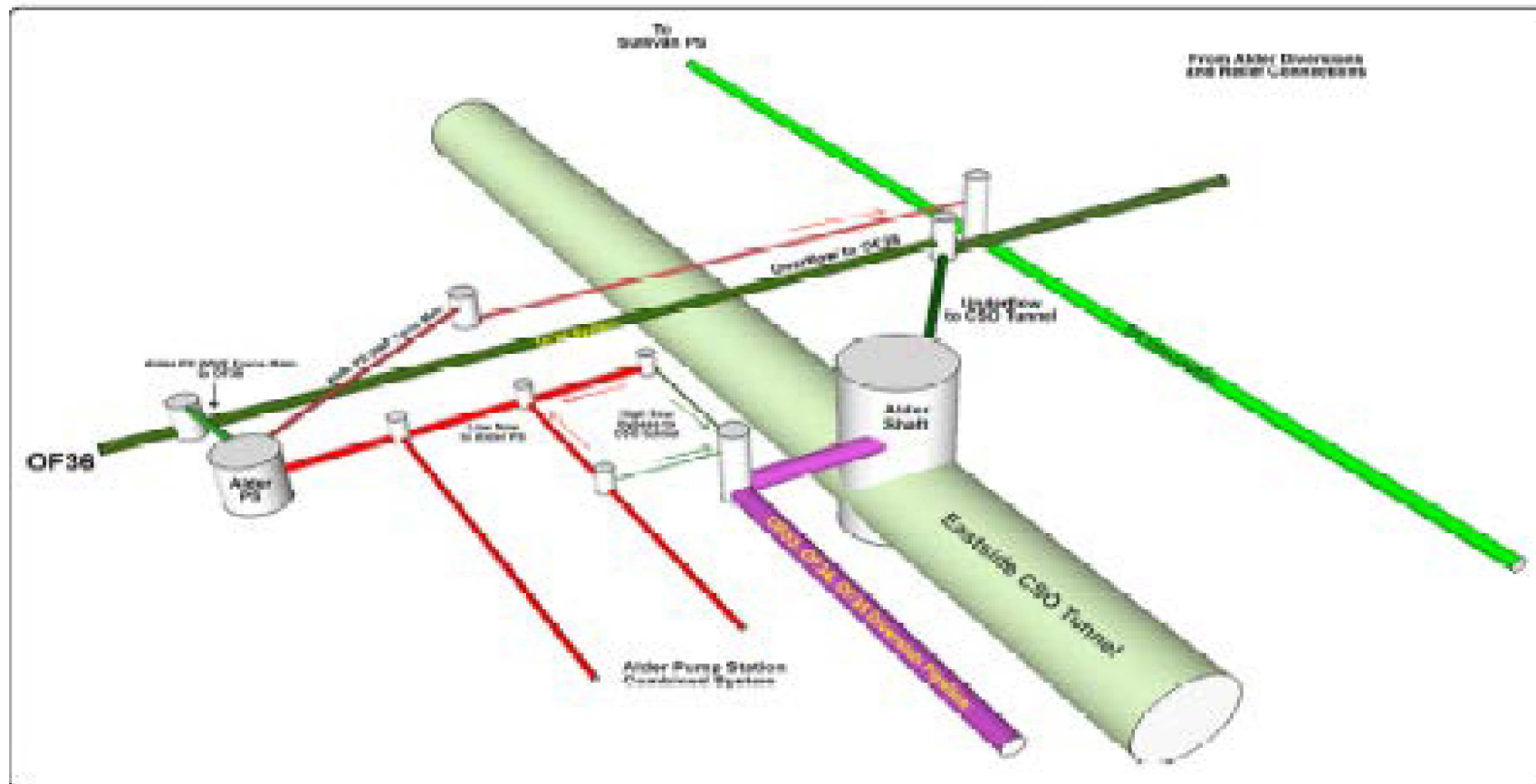
# Existing Alder Pump Station



- Concrete caisson style wetwell/drywell wastewater pump station.
- Complex wetwell for separate sanitary and storm system pumping.



# Alder: System Configuration Schematic



# Project Objectives

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- Upgrade the Alder Pump Station for future projected flows
- Coordinate Pump Station operation with the East Side CSO system
- Improve operations and maintenance access to the pump station



## Proposed Construction Schedule & Cost

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Milestone	Target Month
Advertise for Construction Bids	December 2016
Bid opening	February 2017
Issue Notice to Proceed (NTP)	June 2017
Construction Substantially Complete	April 2019
Final Construction Completion	June 2019

Estimated Construction Contract Cost \$ 3,500,000



# Estimated Total Project Costs

Project Phases	Estimated Cost
Design Phase including: <ul style="list-style-type: none"> <li>— Land Acquisition</li> <li>— Predesign, and Design</li> <li>— Permitting</li> </ul>	\$ 924,000
Advertise-NTP Phase	\$ 45,000
Construction Phase including: <ul style="list-style-type: none"> <li>— Construction Contract</li> <li>— Construction Management</li> <li>— Inspection</li> <li>— Permit Compliance</li> </ul>	\$ 4,402,000
Startup/Closeout Phase	\$ 43,000
<b>Estimated Total Project Cost</b>	<b>\$ 5,414,000</b>



# Questions

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Thank you

