

working for clean rivers



Fremont Pump Station Upgrades

BES Project Number E10543

Council Item 1188

Brenda Sherwood, P.E.

Bureau of Environmental Services

November 1, 2017

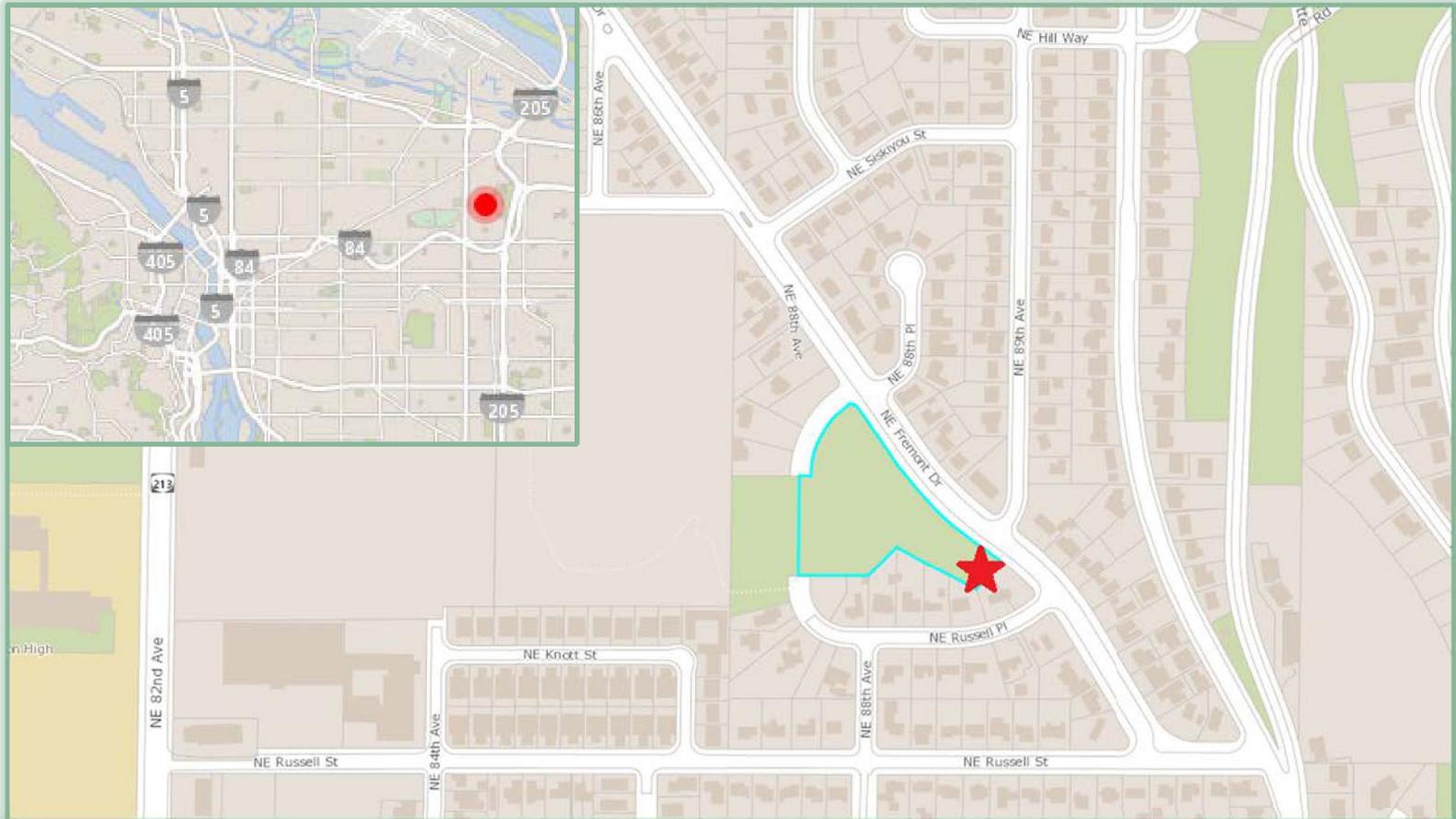


**ENVIRONMENTAL SERVICES
CITY OF PORTLAND**

**NICK FISH, COMMISSIONER
MICHAEL JORDAN, DIRECTOR**

Project Location

- 2777 NE Fremont Drive
- Central NE Neighborhood
- Madison South Neighborhood Association



Project Objectives

- Improve pump station reliability
- Improve safety and ease of maintenance
- Replace obsolete mechanical and electrical equipment
- Resolve pump clogging issue



Project Background

- Constructed in 1969
- Upgraded in 1995
 - Three 800 gpm 40 HP Cornell pumps
 - Pumps clogging 1-2 times per week
- Pilot Pump Project June 2014
 - Replaced one pump with one 1,000 gpm 40 HP WEMCO Hidrostral Pump
 - No pump clogging since installation while running Hidrostral pump in lead position
- Flow analysis completed Jan 29, 2015
 - Existing Peak Wet Weather Flow = 600 gpm
 - Future Peak Wet Weather Flow = 770 gpm



Project Construction Schedule & Cost

Milestone	Target Month
Advertise for Construction Bids	December 2017
Bid opening	January 2018
Issue Notice to Proceed (NTP)	May 2018
Construction Substantially Complete	April 2019
Final Construction Completion	June 2019

Estimated Construction Contract Cost \$ 1,440,000



Estimated Total Project Costs

Project Phases	Estimated Cost
Design Phase including: <ul style="list-style-type: none">— Predesign, and Design— Permitting	\$ 452,000
Advertise-NTP Phase	\$ 27,000
Construction Phase including: <ul style="list-style-type: none">— Construction Contract— Construction Management— Inspection— Permit Compliance	\$ 1,992,000
Startup/Closeout Phase	\$ 39,000
Estimated Total Project Cost	\$ 2,510,000



Recommendation

Authorize a competitive solicitation and contract with the lowest responsible bidder for construction of the Fremont Pump Station Upgrade, Project No. E10543, for an estimated construction cost of \$1,440,000.



Questions

Thank you

