

working for clean rivers



Authorize a Contract for CIPP SE Sewer Rehabilitation Council Item 416

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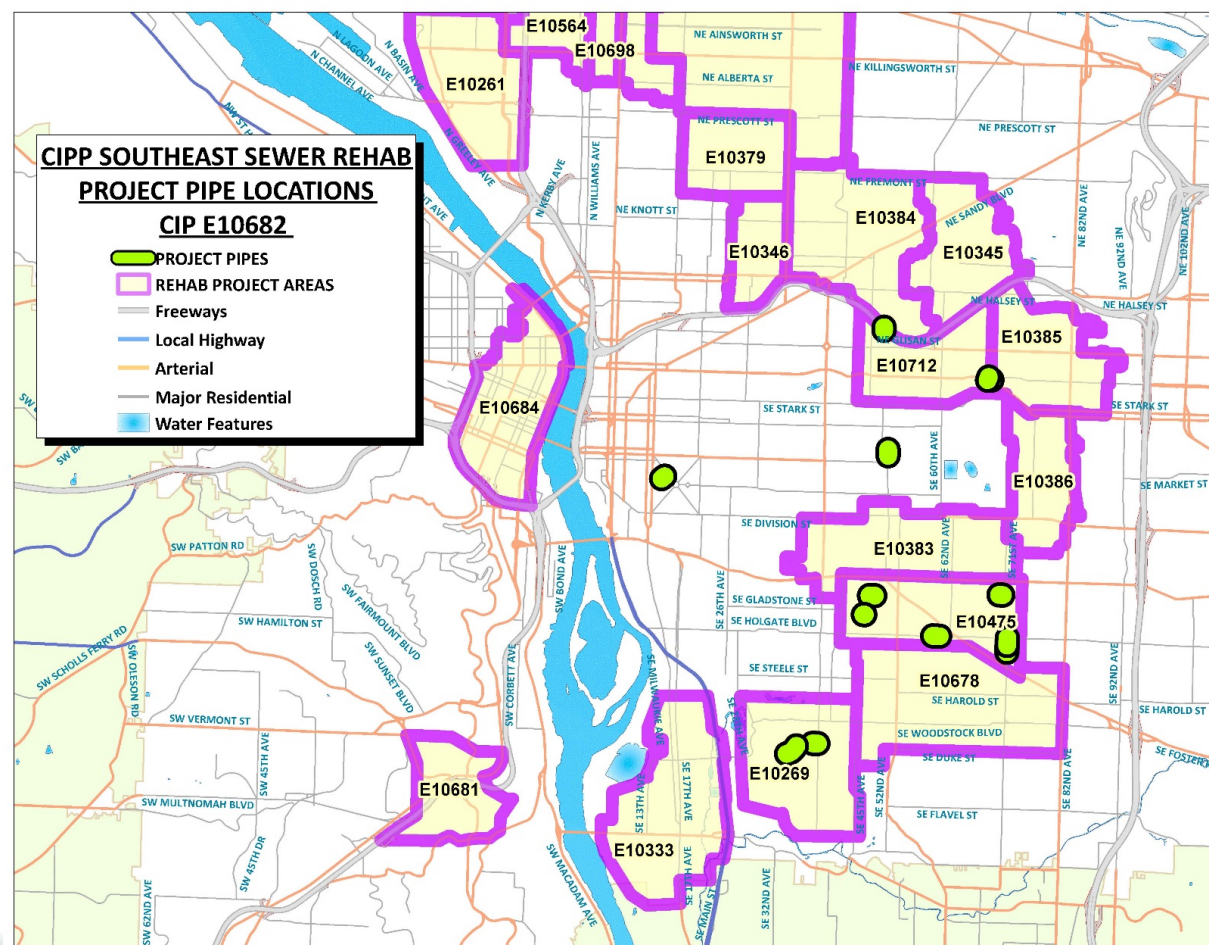
April 27, 2016



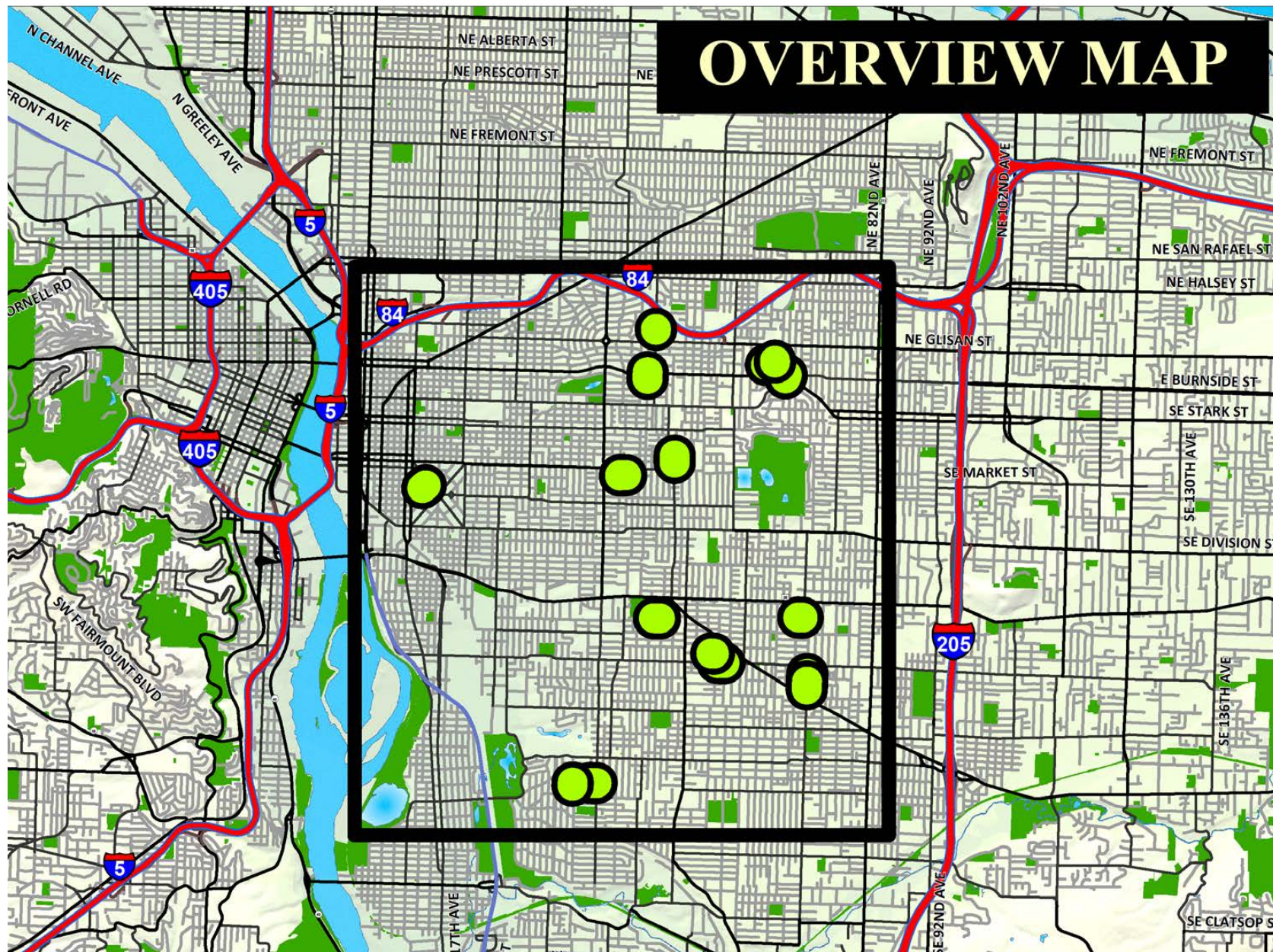
**ENVIRONMENTAL SERVICES
CITY OF PORTLAND**

NICK FISH, COMMISSIONER
MICHAEL JORDAN, DIRECTOR

Large Scale Sewer Rehabilitation Program



OVERVIEW MAP



Project Pipe Photos



Rehabilitation Method: Cured-in-Place Pipe (CIPP)

- Trenchless pipe rehabilitation
- Flexible liner inserted in pipe
- Hardens to form rigid, smooth surface



Advantages of CIPP

- Cost Savings
 - Roughly 1/3 construction cost compared with open cut
- Deferred Pipe Replacement
 - Adds 60 years of life
- Community Impact
 - Pipe access through manholes



Project Overview

- 29 pipes
- 6570 ft. / 1.1 mi.
- 8" to 36" diameter
- 93% more than 90 years old
- 95% residential streets
- 5% major streets
- 17% in NE Portland
- 83% in SE Portland



Public Impact

Work Near Schools

- Lining of 10" main in front of Creston Elementary

Night Work & Noise Variances

- Eight locations where night work allowed

Traffic Impacts – I-84

- One weekend overnight lane closure allowed



Public Outreach

- Residents
- Businesses
- Neighborhood Associations
- Business Associations
- Schools
- TriMet
- Providence Facilities



Project Budget and Schedule

- Engineer's Estimate: \$2.3m
- Level of Confidence: High
- Advertise Contract: 2016
- Award Contract: 2016
- Begin Construction: 2016
- Construction Duration: 8 mos.



Questions

Thank you

