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working for clean rivers

## Slabtown Sewer Replacement

(BES Project Number E10663)

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May 3, 2017



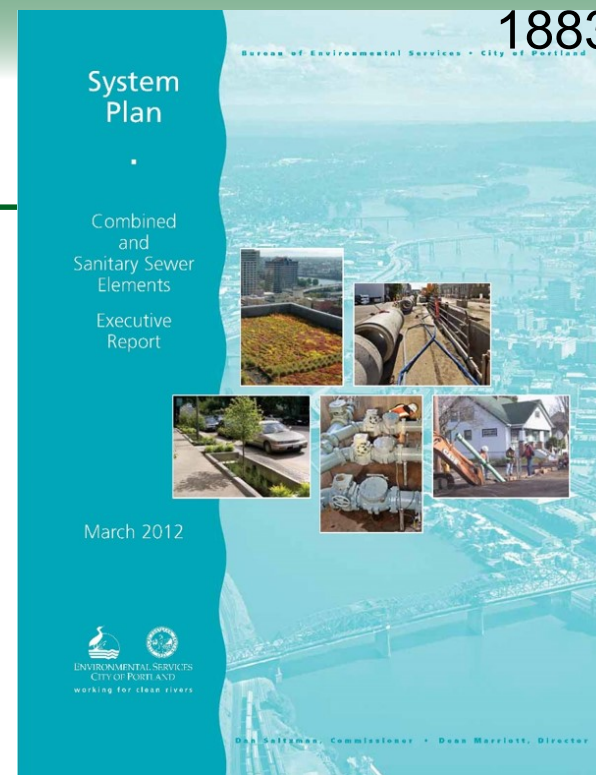
ENVIRONMENTAL SERVICES  
CITY OF PORTLAND

NICK FISH, COMMISSIONER  
MICHAEL JORDAN, DIRECTOR



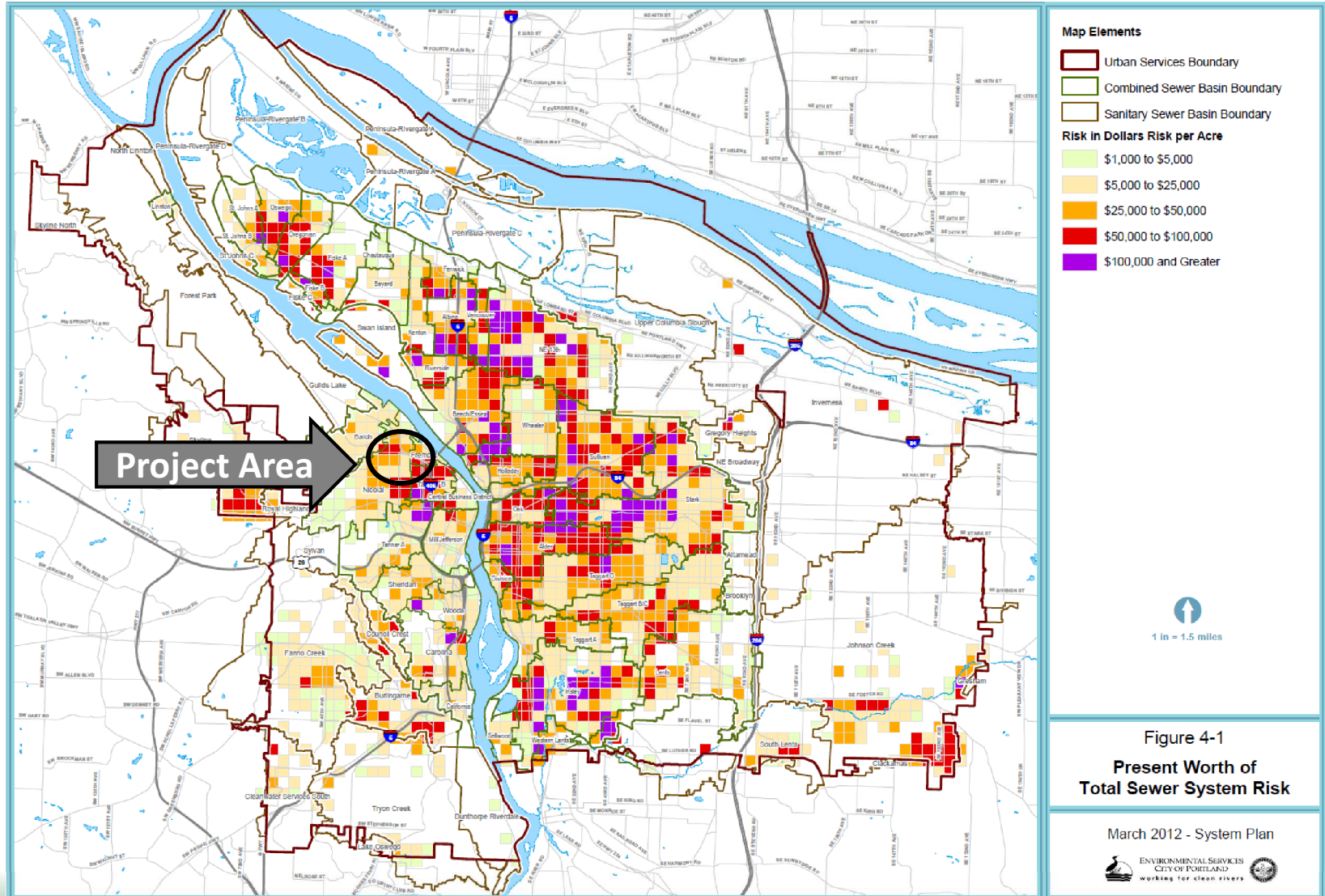
# Background

- Part of the BES' System Plan (2012).
- This project will relieve sewer backup & structural risk by replacing century-old pipe.





# BES System Plan & Project Location



# Project Goals and Objectives

- 8,400 linear feet of mainline pipe
- 8" to 42" diameter
- Originally constructed between 1890 and 1920
- 80% local streets
- 20% busy streets
- Coordination w/ PBOT 20<sup>th</sup> Ave LID project



NW 12<sup>th</sup> Ave & NW Quimby St  
(December 2015)



NW 14<sup>th</sup> Ave & NW Quimby St



Saint Patrick Church

## At a glance



**Repair/replace  
8,400 feet**  
of public  
sewer pipe.



**Repair/replace  
47 manholes**  
to improve  
maintenance  
access.



**Repair  
service laterals**  
that connect houses  
and businesses to the  
new public sewer.



**Begin  
construction**  
in fall 2017.





# Public Involvement

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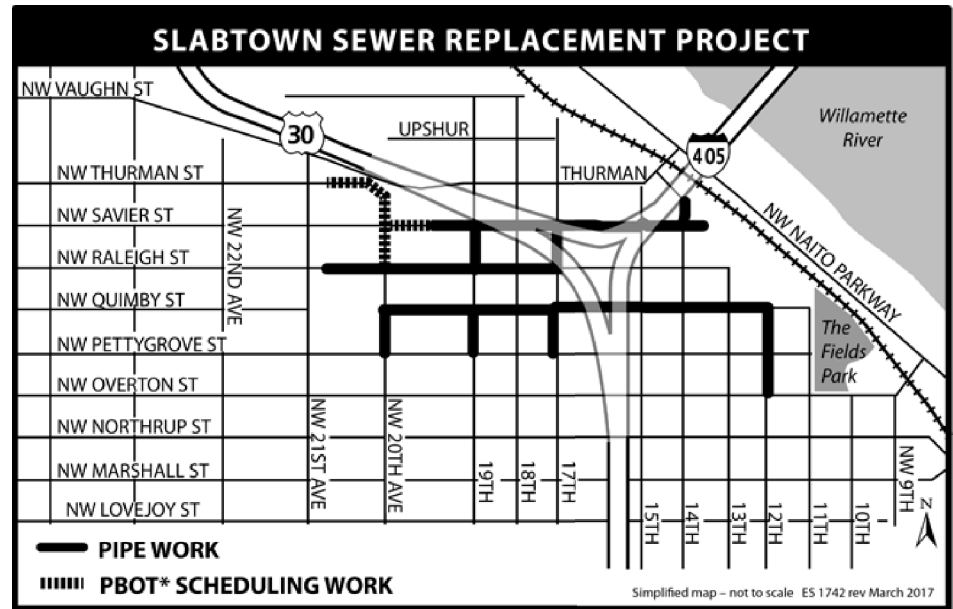


- Collaboration with community to identify impacts and access needs
- Early outreach to 1200 households and businesses.
  - Over 600 multi-family units were identified or confirmed in the field due to new housing development.
  - Project updates sent via flyers, newsletters, email, and project website.
  - Update list includes interested individuals, Northwest District Neighborhood Association, Pearl District Neighborhood Association, Pearl District Business Association, Nob Hill Business Association
- In-person visits and walk-throughs with schools, food carts, and small businesses

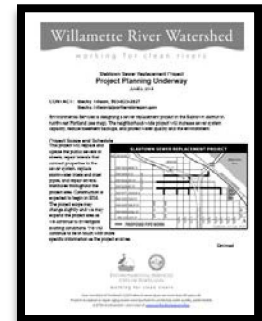
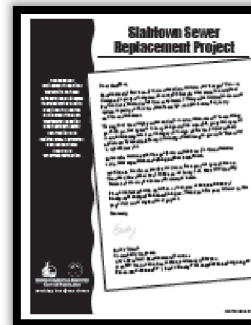
# Public Involvement

## Outcomes:

- Maintain local traffic access to all properties
- Provide regular, weekly or bi-weekly updates to email list
- Provide monthly or quarterly mailed updates to owners and tenants
- Comply with private property access agreements
- Resolve nonconforming sewer connections
- Restore areas disrupted by construction



\*Portland Bureau of Transportation



# Pipe Materials & Construction Methods

- Open-Cut
  - C905
  - PVC
  - RCP
- Pipe-Bursting
  - HDPE





# Project Budget and Schedule

- Engineer's Estimate: \$8.9M
- Level of Confidence: High
- Advertise Contract: Mid-June
- Begin Construction: October
- Construction Duration: 400 days



Top: Potholing at NW 18<sup>th</sup> Ave & NW Quimby St

Bottom: Potholing at NW 21<sup>st</sup> Ave & Raleigh St





# Questions

