

working for clean rivers



# Concordia Rehabilitation Project

## Council Item 933

Portland City Council | August 23, 2017

**Scott Gibson, P.E.,  
Principal Engineer**

Margaret Russell,  
Project Manager



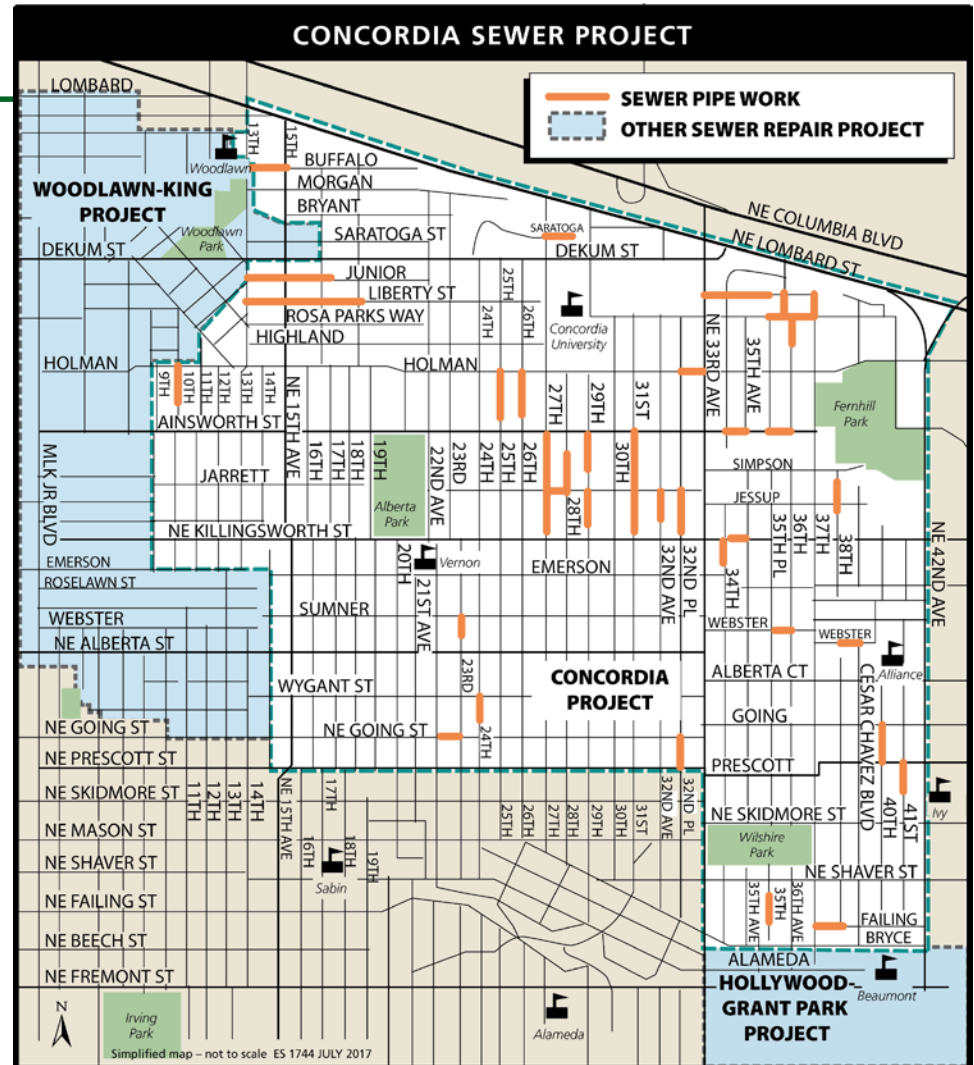
ENVIRONMENTAL SERVICES  
CITY OF PORTLAND

NICK FISH, COMMISSIONER  
MICHAEL JORDAN, DIRECTOR



# Project Overview

- 54 pipe segments
- 16,550 linear feet of pipe (including laterals)
- 8" to 24" diameter pipe (76% are 8")
- Constructed between 1919 and 1950
- 98% residential streets with one collector street.





# Mainline and Lateral Defects

## Mainline



## Laterals



# Pipe Materials & Construction Methods

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## PVC for Open-Cut

- 31 rehab segments (8,350 LF)
- 12 NCS sewer extensions (1,710 LF)

Cured-In-Place Pipe for Lining 11 segment (2,860 LF)





# Public Outreach & Impacts

- Work Near Alliance High, work done when school not in session
- Night work & noise variance at NE 28<sup>th</sup> and Jarrett -24" CIPP
- Intersection Art NE 28<sup>th</sup> and Jarrett



# Engineer's Estimate

Engineer's Estimate:  
\$4,824,000

Level of Confidence: High

- Scope is clearly understood
- Quantities and unit prices from recent similar projects
- Schedule takes in to account project size and any constraints, and
- Experienced bidders expected to be available.





# Project Schedule

- Advertise Contract: Oct. 2017
- Begin Construction: Feb. 2018
- Construction Duration: 400 days



Questions?

