

working for clean rivers



Council Item #233

SW 45th Avenue and Fanno Creek Culvert Replacement Project

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Bureau of Environmental Services

March 8, 2017

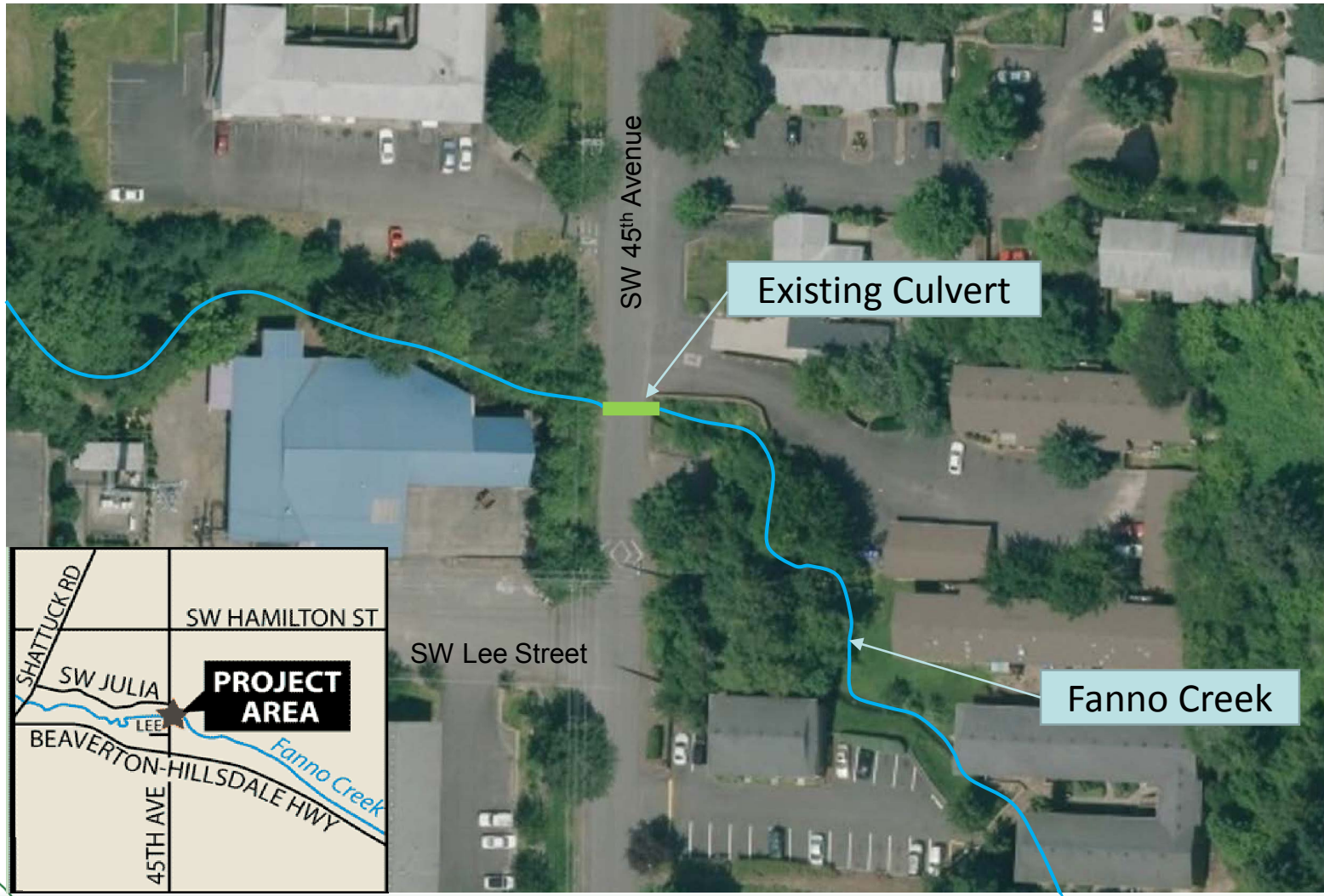


ENVIRONMENTAL SERVICES
CITY OF PORTLAND

working for clean rivers

NICK FISH, COMMISSIONER
MICHAEL JORDAN, DIRECTOR

Project Location: SW 45th and Fanno Creek



Background

- Existing 48x48-inch concrete box culvert
- Undersized and surcharges during 2-year storm
- Poses flooding risk to road during 10-year storm
- **Fish passage barrier** for native resident fish



Project Goals and Objectives

- Replace the culvert :
 - Meet and maintain fish passage criteria
 - Protect habitat
 - Reduce channel degradation
 - Protect structures near creek
- Meet BES Sewer Design Manual capacity requirements.
- Upsize culvert to convey runoff.
- Acquire sewer and temporary construction easements.



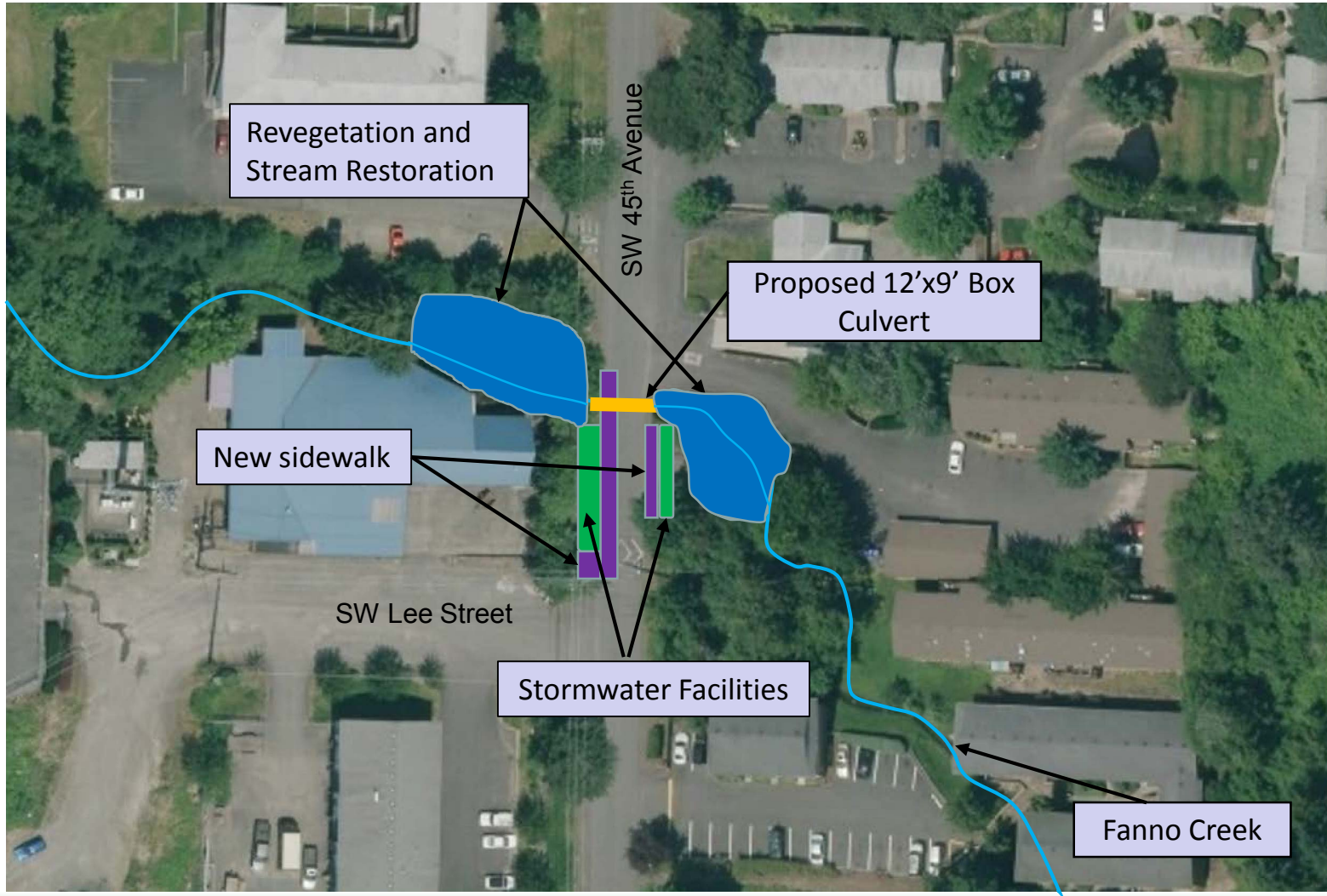
Project Description

This project will:

- Construct a new culvert crossing under SW 45th Avenue.
- Build stormwater facilities to improve water quality.
- Conduct revegetation work to increase habitat and bank stability.



Proposed Project Layout



Public Involvement

- Residents
- Businesses
- Bridlemile Neighborhood Association
- SW Trails
- SWNI Transportation Committee
- Adjacent property owners



Project Budget and Schedule

\$735,000

Engineer's
Estimate

Level of Confidence—High

**Summer
2017**

Begin
Construction

90 Days

Construction
Duration



Questions?

