

Seattle Public Utilities

Grant Funding for Capital Improvement Projects

Seattle City Council
Seattle Public Utilities and Neighborhoods
Committee

November 25, 2014

Seattle
 Public
Utilities



Today's Council Legislation

Authorizes acceptance of three grants totaling \$3.2 million for flood control improvements

King County Flood Control District

1. \$1,500,000 - ***South Portland Street Drainage Improvement Project***
2. \$520,000 - ***Thornton Confluence Project***

Washington Department of Ecology

3. \$1,200,000 - ***Thornton Confluence Project***



Outcome of Legislation

- Provides additional \$3.2 million to Drainage and Wastewater Fund
- Supports needed drainage and flood control projects

Today's Council Legislation

King County Flood Control District

- Property tax levy funding
- Rate set by Board of Supervisors (King County Council)
- Sub-regional opportunity fund – 10% of annual tax levy funds
 - Flood reduction type projects are eligible
 - Non-competitive grant money
 - Seattle's share is just under \$2m for 2014

Washington Department of Ecology

- New “Floodplains by Design” competitive grant program
 - State funds only (no Federal funds)
 - Flood hazard reduction w/ eco-system and multiple benefits

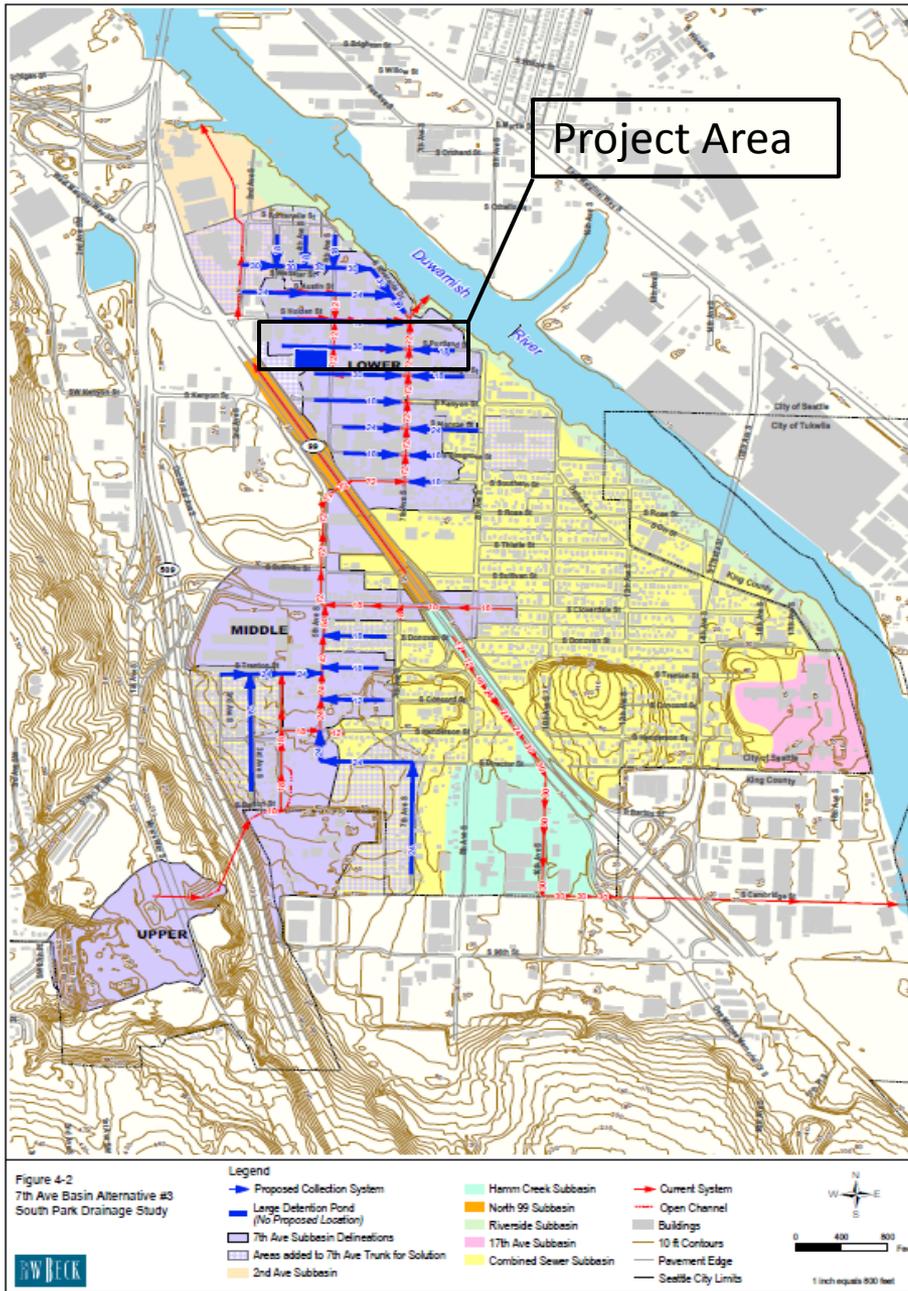
South Portland Street:

Pre-project conditions



Project Goals

- Allow flooding to dissipate faster
- Mitigate existing flooding at low tides
- Provide infrastructure for current customers and future development
- Provide part of the collection system that will connect to future pump station





South Portland: Drainage Solution

- **Build conveyance system**
 - 3 blocks of storm drain system
 - Current connection to existing 72" line
 - Future connection to planned South Park Pump Station
- **Partnership with SDOT**
 - Extend and connect West Duwamish Trail to King Co. Green River Trail.

South Portland

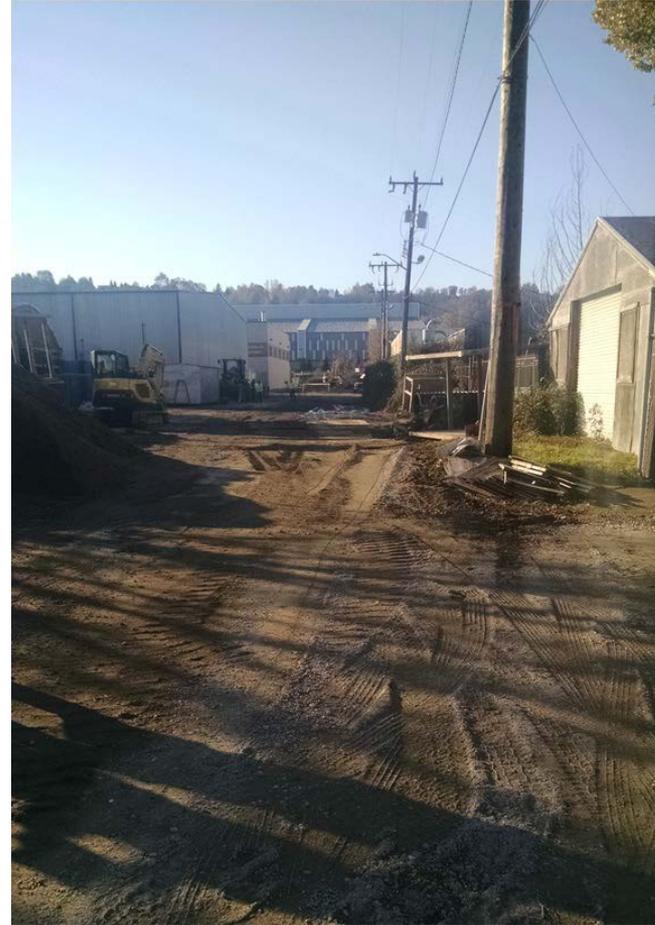
Trenching to install drainage pipe



S Portland Street Construction



**Drainage pipe trench
backfilled**



**Grading for roadway
surface**

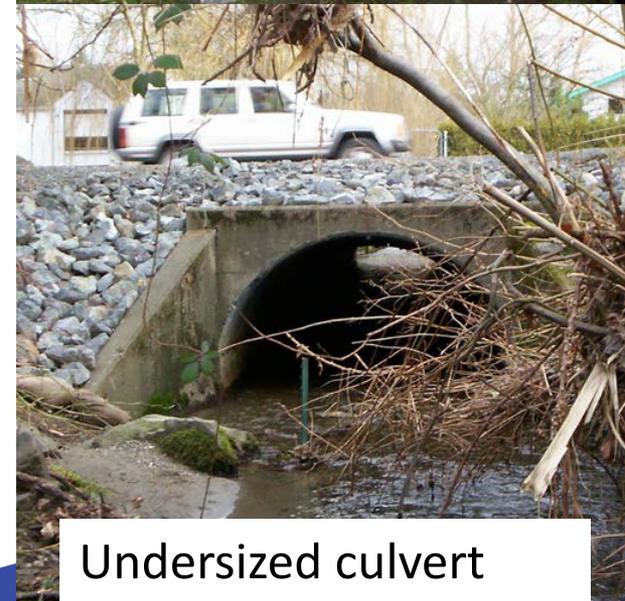
Thornton Confluence: Project Goals

- Meet City's flood service levels for 35th Ave.
- Reduce peak flow velocities
- Increase flood storage
- Improve riparian and aquatic habitat quality
- Provide demonstration of innovative urban creek design

Pre-project condition

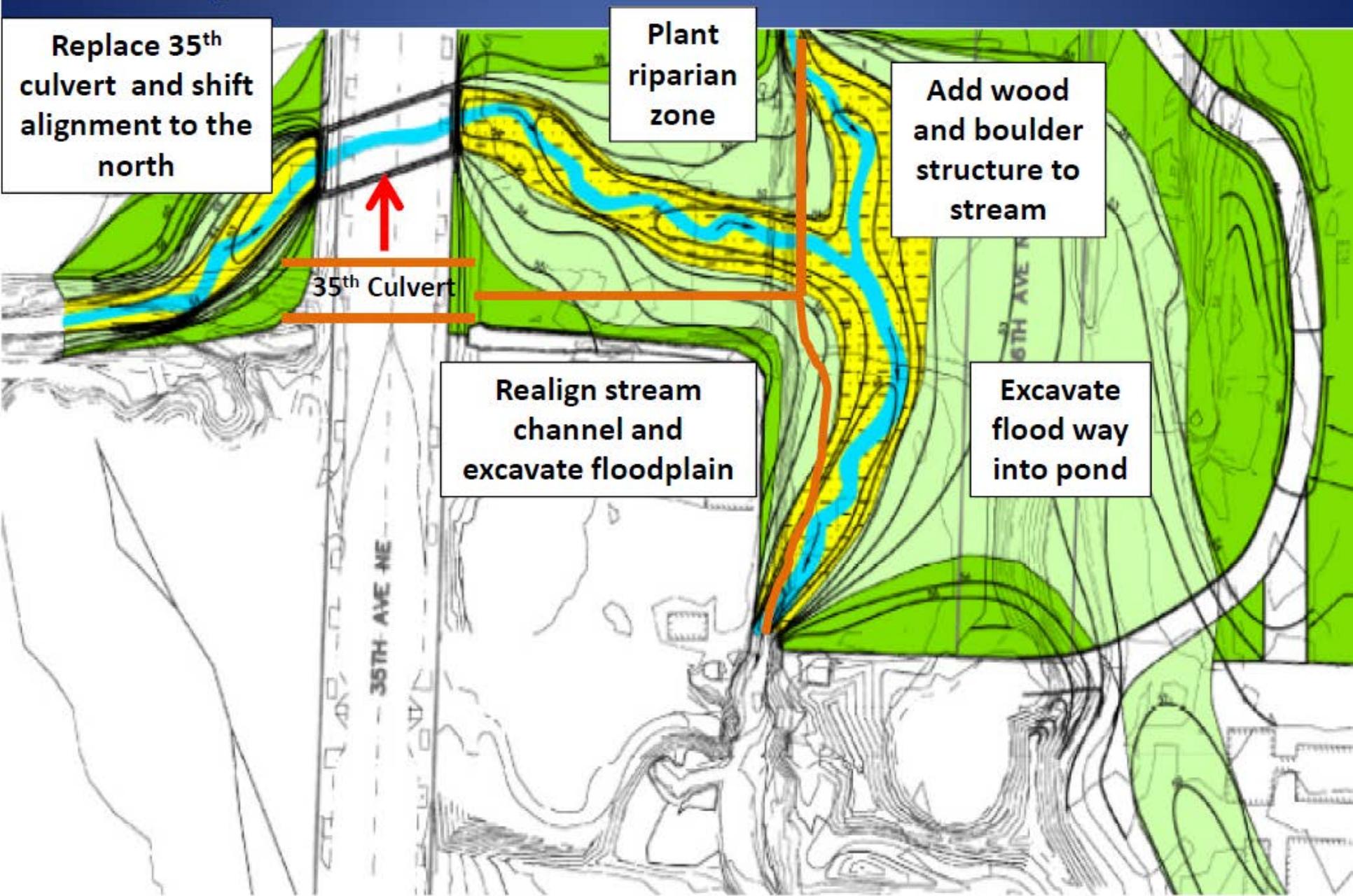


Houses in floodplain



Undersized culvert

Project Overview Confluence Area



Increased flow capacity and improved fish passage



Increased flood storage and improved habitat



Summary - Grant Funding

Authorize acceptance of three funding awards totaling \$3.2M for flood control improvements

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