

# Pearl Street Drainage Improvement Project

## Construction Phase Overview

SPRING 2020

Seattle Public Utilities



City of Seattle

# Project Overview

SPU is improving the capacity of the combined sewer system in Seattle's west Beacon Hill neighborhood to help reduce storm-related combined sewer backups and flooding.

The main goals of this project are to:

1. Enhance public and environmental health in this area
2. Improve service reliability by reducing sewage and stormwater backups onto streets and into buildings



# Project Design Process

Our project team evaluated multiple options to increase system capacity and improve service reliability, and selected the current option based on:

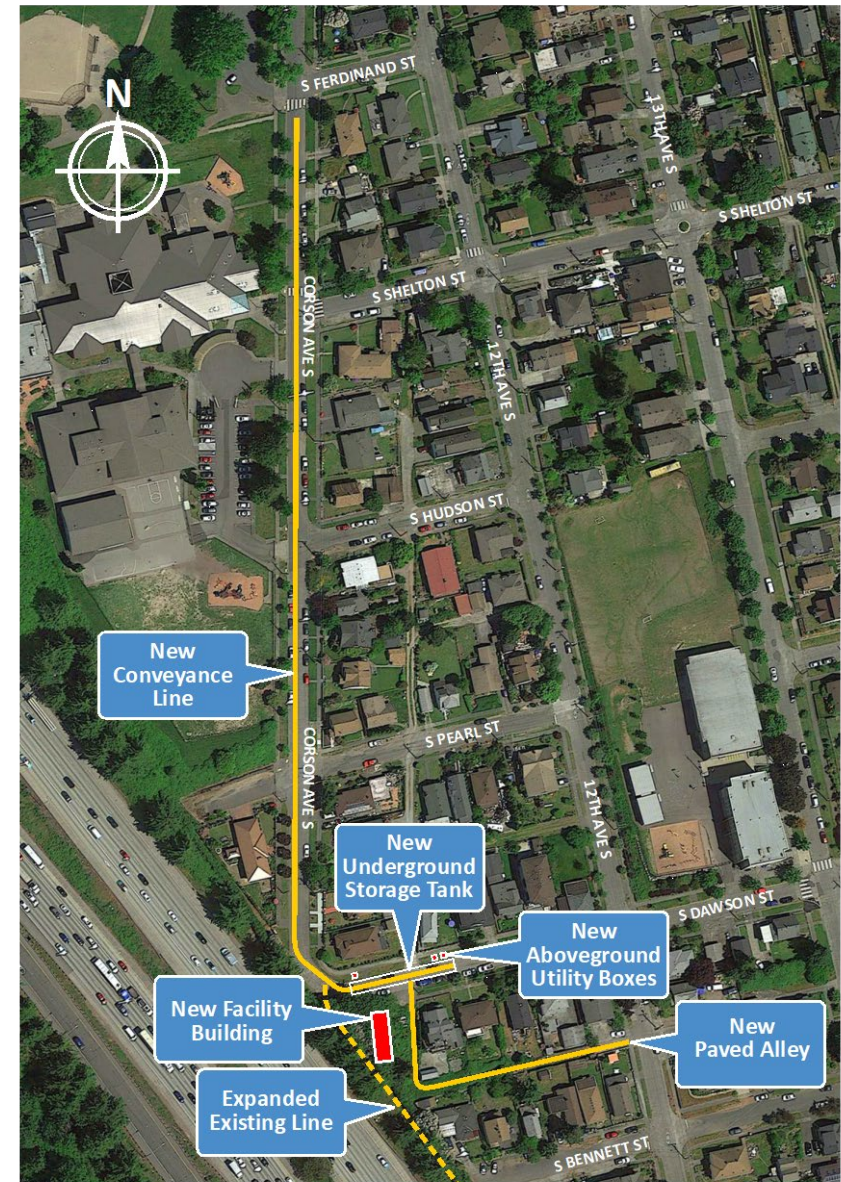
- **Technical Assessment:** Identified the options that were technically doable and would meet capacity needs
- **Community Impacts:** Looked at ways to minimize short-term and long-term impacts to the community
- **Resident Feedback:** Gathered information about flooding and backups to inform planning and design
- **Long-term Planning:** Used computer models to analyze the system's potential capacity needs in the future
- **Financial Feasibility:** Considered the overall cost to SPU rate payers and available funding



# Project Details

## This project will involve:

- Installing a new sewer pipe along Corson Ave S from S Ferdinand to S Dawson streets
- Expanding existing pipe between S Dawson and S Bennett streets using trenchless technology (i.e. no excavation for pipe installation), and installing a maintenance hole at the S Bennett street end
- Building a large underground storage tank to capture sewage and stormwater during large storm events and then slowly release it back into the pipes that run downhill from S Dawson St
- Constructing a small facility building on the south side of the intersection of Corson Ave S and S Dawson St (designs on next slide)
- Installing three aboveground electrical cabinets on the north side of S Dawson St



# Aboveground Facility Building

SPU will be constructing an aboveground facility building at the corner of Corson Ave S and S Dawson St as part of this project.



View from S Dawson St looking to the southwest



# Construction Area

This project is located in west Beacon Hill near Maple Elementary School with work occurring on:

- Corson Ave S from S Ferdinand to S Bennett streets
- The street end of S Bennett St
- S Dawson St between Corson Ave S and 12th Ave S



# Construction Timeline

- Construction is expected to begin in summer 2020 and should last approximately 16 to 18 months
  - *Construction schedule and duration are subject to change*
  - *Updates will be regularly communicated to neighbors*
- Residents in the work area will receive scheduling and construction updates throughout the project duration
  - Please visit [the project website](#) to signup to receive email updates about construction
- Construction will occur in roughly five phases with some overlapping work (as portrayed in the detailed maps on the following slides)



# What to Expect Prior to Construction

- Seattle City Light (SCL) will install a temporary service pole on the north side of S Dawson St near the alley
- During this work, there will be a brief, temporary service disruption to a few homes
  - SCL will provide notice to impacted residents
- Following this work, the alley entrance on the north side of S Dawson will be blocked for the duration of construction
  - Residents will continue to have vehicular access to the alley via S Pearl St
- Puget Sound Energy will relocate a service line on S Dawson St  
**(Completed)**

# What to Expect During Construction

- Construction noise, dirt, dust, and vibrations
- Increased construction traffic and staging of large equipment in the area
- Lane or road closures and street parking restrictions in construction areas
- Impacts to sidewalk and driveway access where work is occurring
- Work will typically occur during weekday, daytime hours
- Residents will be notified if night and weekend is required
- Temporary, short-term service interruptions to gas, water, and/or electricity to connect to new services (impacted residents will be notified)



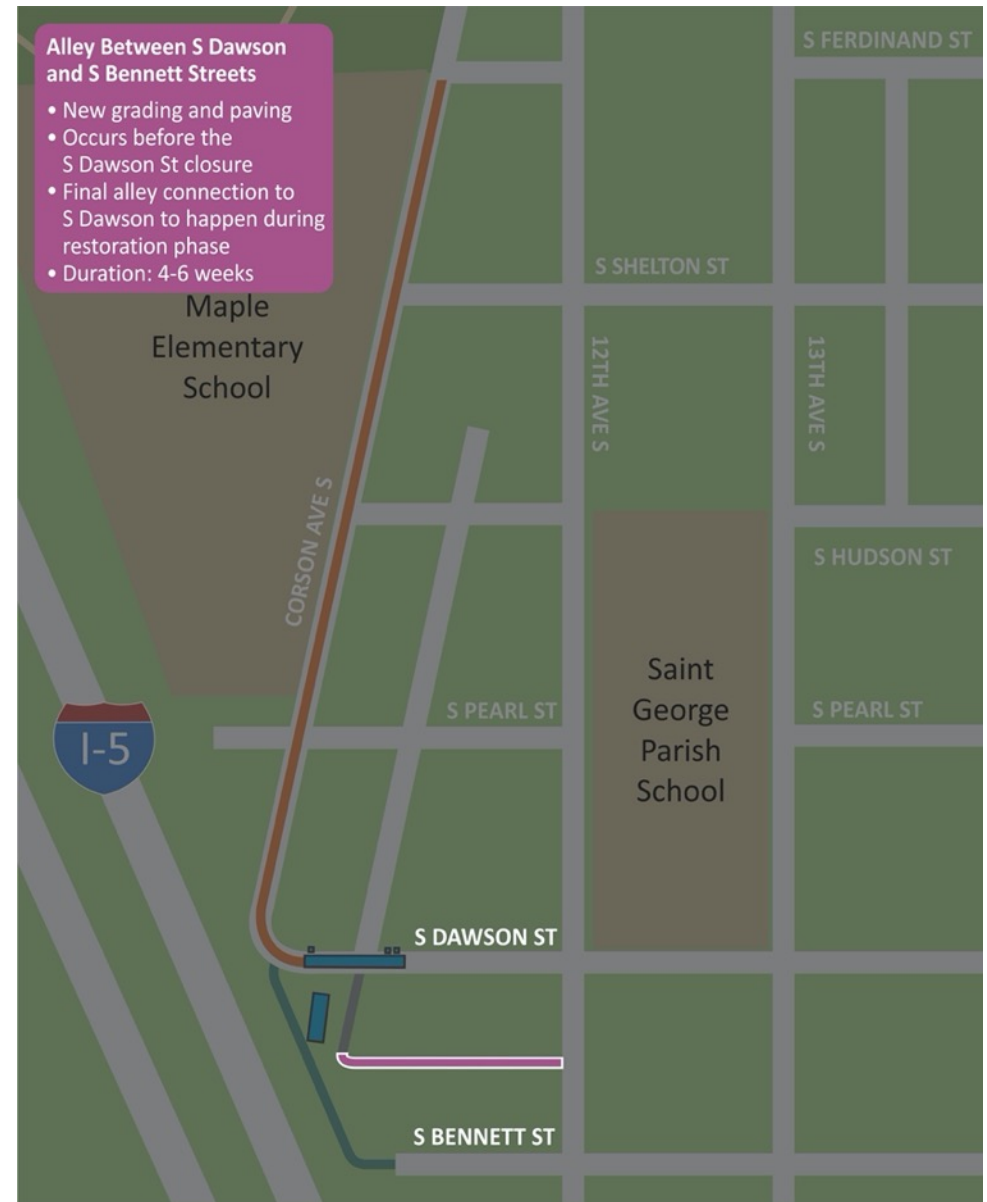
# Phase 1 - *Corson Ave S*

- The contractor will install a new sewer pipe along Corson Ave S from S Ferdinand to S Dawson streets
- This work is expected to take place during summer 2020
- Expect lane closures and parking restrictions during this work
- When possible, the contractor will work to reopen the road on nights and weekends
- Duration: About 3-4 months



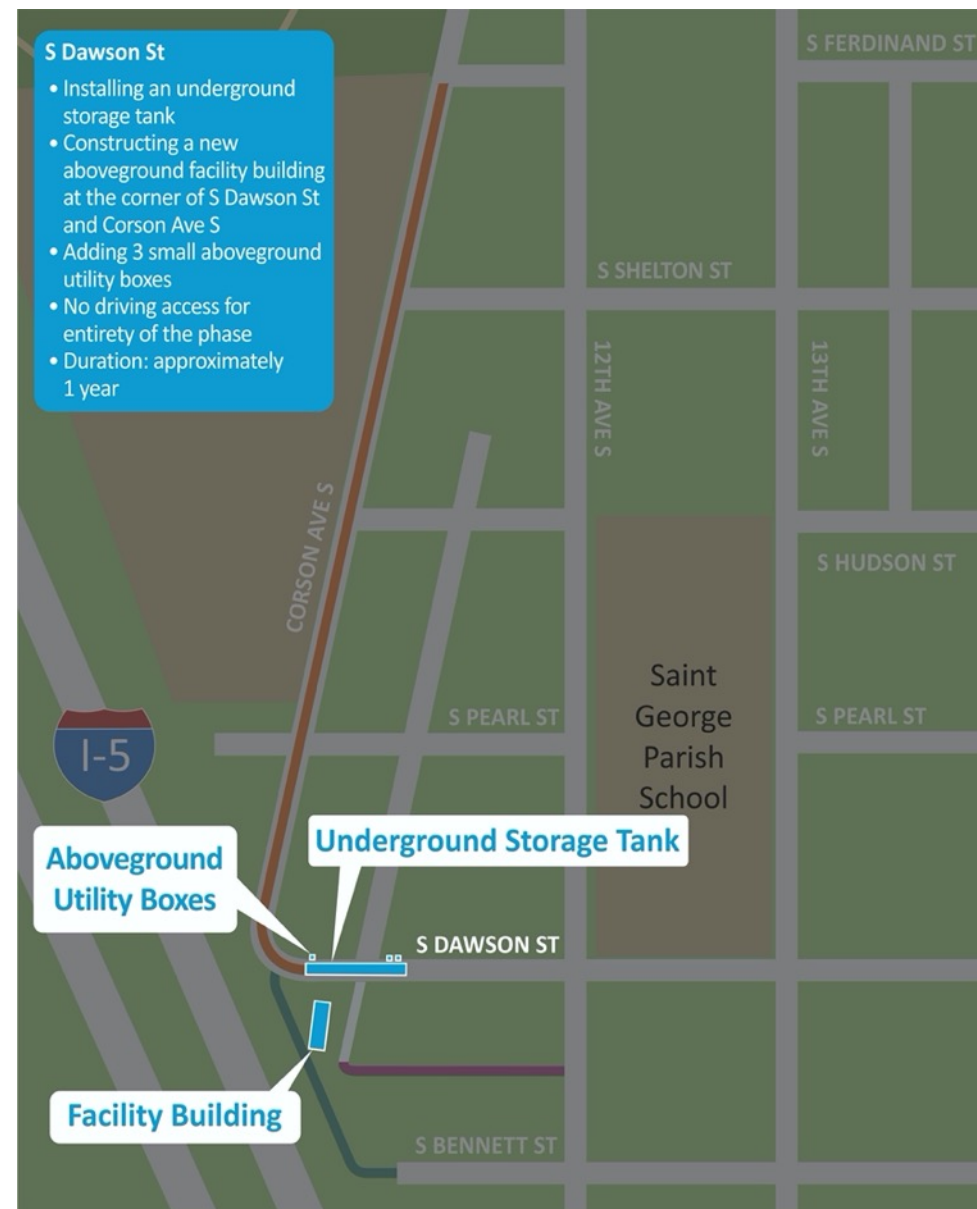
# Phase 2 - *Alley between S Dawson & S Bennett streets*

- Prior to the closure of S Dawson St, the contractor will perform alley improvements between S Dawson and S Bennett streets west of 12th Ave S to minimize construction impacts to adjacent residents during work.
- Work to include:
  - Clearing the area and removing vegetation in the public right-of-way
  - Grading and paving the alley
- Alley improvements will remain in place after construction
- The portion of the alley connecting to S Dawson St will be paved during the restoration phase at the end of the project
- Duration: About 4-6 weeks



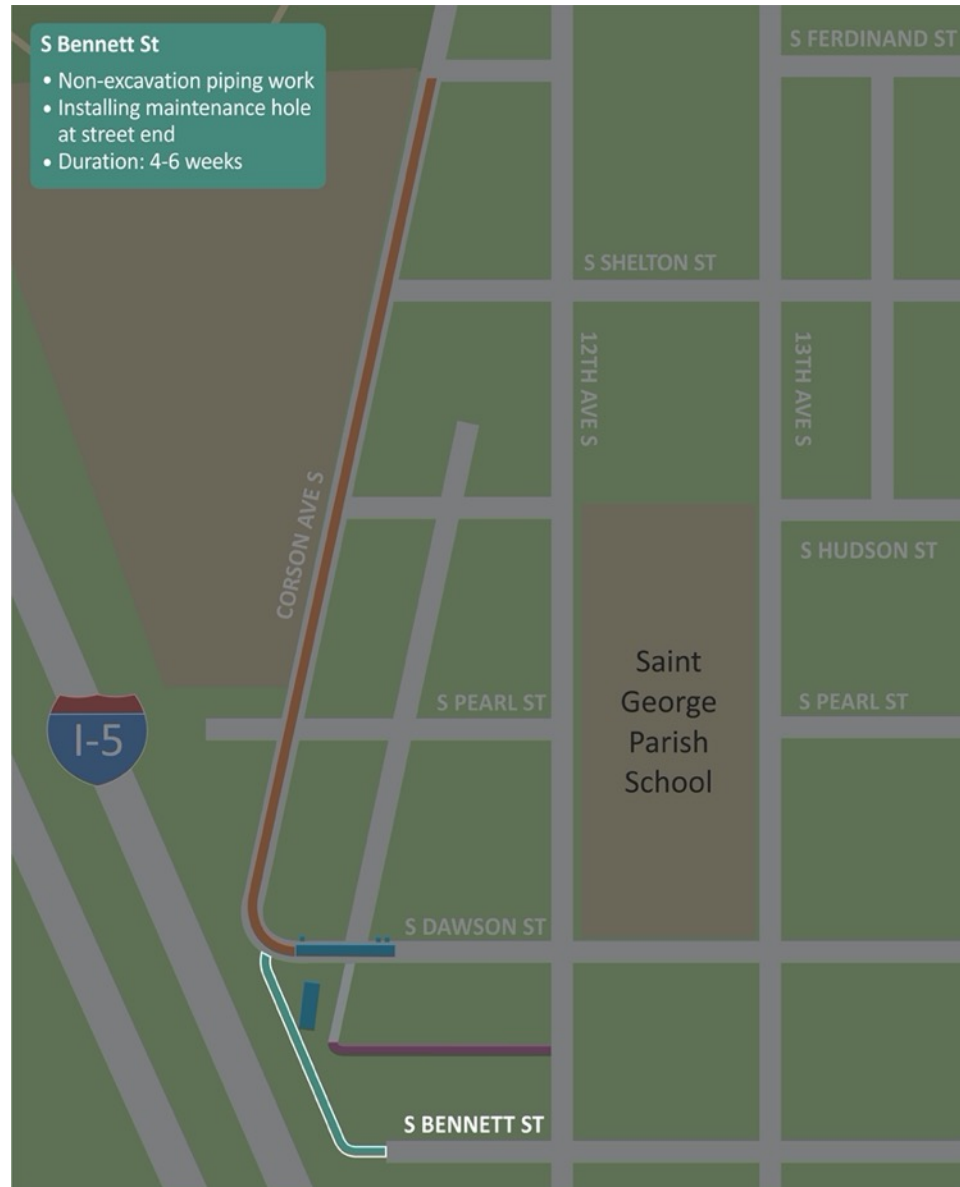
# Phase 3 - *S Dawson St*

- This work will involve installing the underground storage tank and three small aboveground utility boxes, constructing an aboveground facility building, and connecting new structures to the sewer system
- S Dawson St, including the entrance to the north-south alley from S Dawson St to S Pearl St, will be closed to through traffic 24hr/day for the duration of work
- Residents can still access the north-south alley from S Pearl St
- Street parking near the work zone will be restricted
- Duration: Approximately 1 year



# Phase 4 - *S Bennett St*

- Work will occur at the street end of S Bennett St and will involve installing a new maintenance hole and then new pipe between S Dawson and S Bennett streets using trenchless technology
- Residents to expect short-term driveway access and street parking restrictions at the street end of S Bennett St
- Duration: About 4-6 weeks



# Phase 5 - Restoration Work

- Site restoration work will occur near the end of the project for the entire area
- Will include:
  - Paving impacted sections of the street
  - Replacing impacted sidewalks
  - Installing new ADA ramps
  - Restoring plantings & vegetation
  - Extending the alley improvement to S Dawson St



# Service Delivery During Construction

- **Mail & Packages** – The contractor will maintain pedestrian access to homes to facilitate postal delivery and to avoid service disruptions.
- **Garbage/Recycling/Compost** – Solid waste collection services will change from the alley to the street. SPU's solid waste department will provide further notice to impacted residents and the on-site contractor will be available to assist with this activity as needed.
- **Emergency vehicles** – Fire Trucks/Ambulances/Police will have access to individual homes, as necessary.
- **School buses** – SPU is working with nearby schools to coordinate any potential impacts to bus routes.

# Contact Us

For any questions about **construction, service disruptions, etc.**, contact the Project Manager, Luis Ramirez, at [Luis.Ramirez@seattle.gov](mailto:Luis.Ramirez@seattle.gov) or (206) 684-3660

Learn more and **sign up for the project email list** so you can receive the most up-to-date communications during construction by visiting our website: [www.seattle.gov/utilities/environment-and-conservation/projects/pearl-street-drainage-improvement](http://www.seattle.gov/utilities/environment-and-conservation/projects/pearl-street-drainage-improvement)

