Pearl Street Drainage Improvement Project
Construction Phase Overview
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 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