ENHANCING OUR COMMUNITIES
with Natural Drainage Systems (NDS) and Pedestrian Improvements

Natural Drainage Systems:
What are they & why do we need them?

When it rains in the Delridge and Westwood neighborhoods, pollution from our streets runs into Longfellow Creek untreated. This is not healthy for the creek or for people. The good news is: there is something we can do.

Natural Drainage Systems consist of shallow depressions in the public right-of-way, or “planter strip,” filled with deep-rooted plants and spongy soils that temporarily hold and clean polluted stormwater from streets and sidewalks. These features capture and clean pollutants before they can reach the creek.

Seattle Public Utilities (SPU) is planning to build natural drainage systems in your neighborhood in 2021. We are partnering with Seattle Department of Transportation (SDOT), Office of Arts & Culture 1% for the arts, and King County Flood Control District.

Community benefits

Natural Drainage Systems offer multiple benefits to local neighborhoods and ecosystems, including:

- Greener, more attractive neighborhoods
- Lower risk of flooding
- Creation of habitat along our streets
- Healthier creek ecosystems
- Calmer traffic patterns
- More street trees
- Pedestrian improvements

Learn more at: seattle.gov/util/longfellowNDS
The Longfellow Creek Natural Drainage System (NDS) Project has completed 30% design outreach and incorporated community feedback in the early design.

At the 60% Design Phase, we present updated street and drainage improvements and answer questions from the community. We finalize the project scope based on regulatory requirements and project funding.

**30% INPUTS**
- Neighborhood priorities
- Current drainage conditions
- Location of utilities
- Local topography + mature trees
- Rainfall runoff patterns along the street
- Soil testing + analysis
- Location of homes + paths
- Location of driveways
- On-street parking patterns
- City right-of-way impacts
- Zoning code
- Projected construction costs
- Maintenance of NDS
- Permitting
- Community concerns

**60% INPUTS**
- Neighborhood priorities
- Local ecosystem needs
- Detailed utility locations + impacts
- Planting palettes & new street trees
- NDS sizing adjustments
- Refinements to design dimensions + details
- City right-of-way impacts
- Balance of costs with budget
- Maintenance of NDS
- Permitting
- Community concerns

**FINAL INPUTS**
- Accessibility impacts
- Construction costs + impacts
- Ongoing maintenance costs + responsibility
- Permitting requirements
- Construction questions

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**SITING, FIELD INVESTIGATIONS**
Survey + Concept Development
2017 to 2018

**OUTREACH FOR 30% DESIGN**
Mid 2019

**OUTREACH FOR 60% DESIGN**
Early 2020

**NEARBY CITY PROJECTS ENTERING CONSTRUCTION**

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<tr>
<th>PROJECT</th>
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<tr>
<td>35th/Avalon Paving</td>
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<td>SDOT Delridge Way SW</td>
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<tr>
<td>RapidRide H Line</td>
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*Project schedules subject to change*
WHAT TO EXPECT

How a typical NDS planting installation changes over time

BEFORE

NEWLY PLANTED

~1 year

GROWING

~5 years

MATURE
Note: Earlier versions of this graphic had an error in the graphics key. It showed reference to a sidewalk. Similar to earlier project updates, we are not adding sidewalks to this site and apologize for any confusion this may have caused. While we are unable to install a sidewalk through this project, our design does not prevent a sidewalk from being added in the future.
SYLVAN WAY SW - EXISTING CONDITIONS

Questions? Contact Seattle Public Utilities:
Jonathan Brown | Project Manager
Jonathan.Brown@seattle.gov | 206-386-4027
Learn more at: seattle.gov/util/longfellowNDS

For interpretation services, please call 206-386-4027
통역 서비스를 원하시면 206-386-4027으로 전화하세요
Para servicios de interpretación por favor llame al 206-386-4027
Về dịch vụ phiên dịch xin gọi 206-386-4027
SYLVAN WAY SW - PROPOSED IMPROVEMENTS