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 2020-2021.

What is the NDS Partnering Program?

The 2016-2025 Natural Drainage Systems Partnering Program is a Seattle Public Utilities multi-year capital improvement program focused on Longfellow, Piper’s, and Thornton Creek watersheds.

The program’s goal is to construct street-side natural drainage systems that filter and manage stormwater and improve neighborhoods with street trees, traffic calming, and, in some cases, a limited number of sidewalks.

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
NOTES:

• All blue-shaded areas flow into Longfellow Creek
• The dashed line of Longfellow Creek indicates where the creek is in a pipe
The Longfellow Creek Natural Drainage System (NDS) Project has completed preliminary planning and field investigations.

At the 30% Design Phase we present potential street and drainage improvements to the community, answer questions, and gather community concerns as we work toward finalizing 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

OUTREACH FOR 30% DESIGN
MID 2019

SITING, FIELD INVESTIGATIONS
SURVEY + CONCEPT DEVELOPMENT
2017 to 2018

OUTREACH FOR 60% DESIGN
LATE 2019 / EARLY 2020

FINAL DESIGN

CONSTRUCTION

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

We Are Here

A Healthier & Safer Longfellow Creek!
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
如需要口譯服務, 請撥電話號碼 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

City of Seattle

LONGFELLOW CREEK
Natural Drainage Systems | 2019