LONGFELLOW CREEK NDS PROJECT



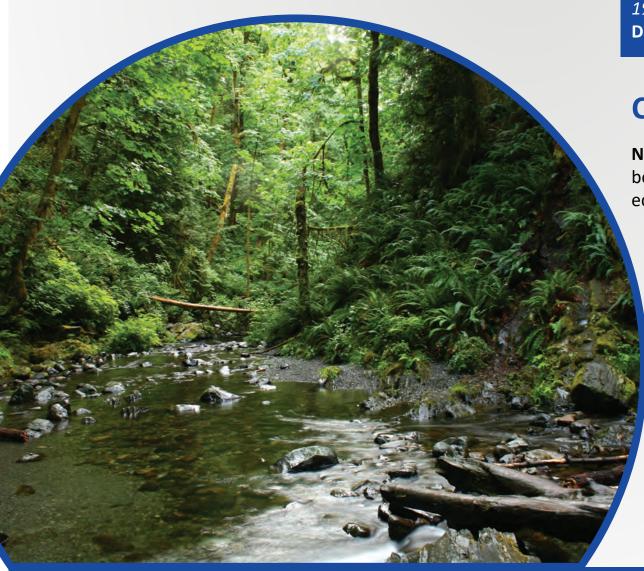
IMPROVING OUR COMMUNITIES with Natural Drainage Systems (NDS)

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

















JULY 2019
30% DESIGN PHASE

WHERE WE ARE NOW



...and where we're going

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.

60% INPUTS

Neighborhood priorities

• Detailed utility locations + impacts

Refinements to design dimensions

• Planting palettes & new street trees

Local ecosystem needs

NDS sizing adjustments

City right-of-way impacts

Maintenance of NDS

Community concerns

Permitting

Balance of costs with budget

FINAL INPUTS

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

A Healthier & Safer **Longfellow Creek!**

30% INPUTS

- Neighborhood priorities
- Current drainage conditions
- Location of utilities
- Local topography + mature trees
- Rainfall runoff patterns along the
- 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%

DESIGN

DESIGN

FINAL

PRE-CONSTRUCTION **OUTREACH**

MID 2020

We Are Here **OUTREACH FOR** 30% **DESIGN**

OUTREACH FOR 30% DESIGN

MID 2019

SITING, FIELD INVESTIGATIONS **SURVEY + CONCEPT DEVELOPMENT**

2017 to 2018

60% DESIGN

LATE 2019 / EARLY 2020

2019

→2020

2021







JULY 2019 30% DESIGN PHASE

WHAT WE HEARD for SW Kenyon St at 24th Ave SW





you'd like to incorporate in NDS and path design

Fix the path so it's not so muddy

55

Add more lighting

51

Clean up litter and garbage

37

Improve visibility along the path

Replace the bridge

24

Plant new trees along the path

24

Make the path and bridge better for bikes, strollers, wheelchairs

18

Add places to sit 14

Slow traffic down along 24th Ave SW and SW Kenyon St

10

Other change (descriptions at right) 10

Add educational signs that explain importance of watershed

10

Remove the parking at the street end

is necessary

More police patrol

- Add a trash can
- Add street lights on SW Kenyon St
- Add covered seating to bench
- Double the amount of plants

• Concerned about fast turnout at 24th and Kenyon cul-de-sac





30% DESIGN PHASE







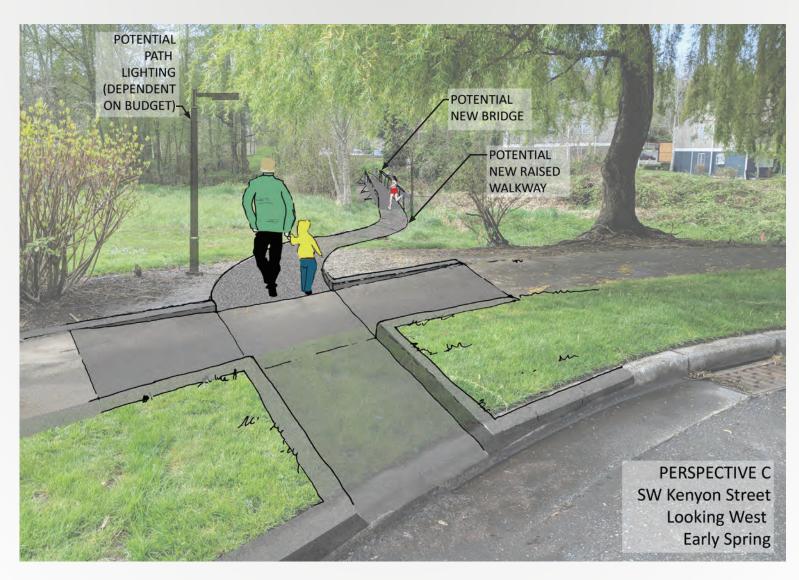
LONGFELLOW CREEK PATH (1)



LONGFELLOW VIEW LOOKING EAST



LONGFELLOW VIEW LOOKING WEST





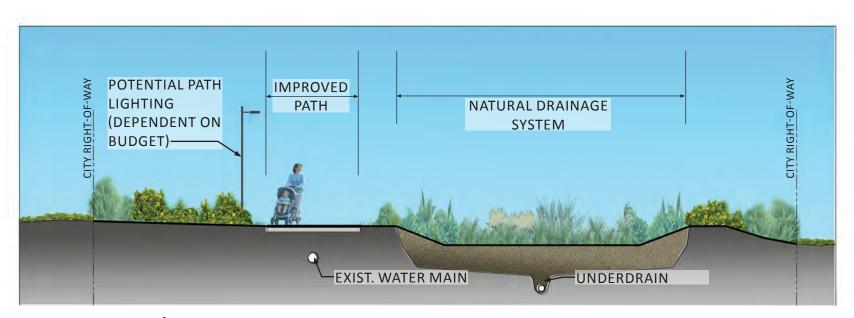




LONGFELLOW CREEK PATH (1)



Potential NDS and Pathway Improvements SW Kenyon St and 24th Ave SW



SECTION A-A'









