



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

## What are Natural Drainage Systems?

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 built in the roadway shoulder (the space between the street edge and the property line) and are filled with deep-rooted plants and spongy soils that temporarily hold and clean polluted stormwater from streets. These features capture and clean pollutants before they can reach Longfellow Creek.



**Seattle Public Utilities (SPU) is planning to build natural drainage systems in your neighborhood in 2022.** 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:

- Increased landscaping
- Lower risk of flooding
- Creation of habitat along our streets
- Healthier creek ecosystems
- Traffic calming
- More street trees
- Pedestrian improvements

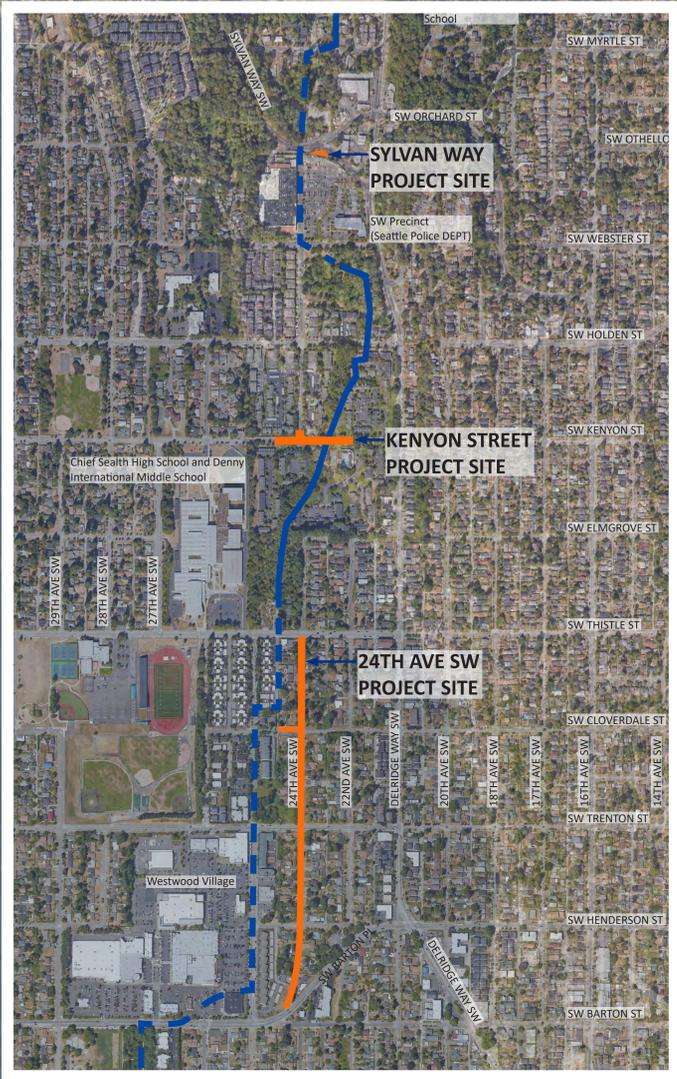


# LONGFELLOW CREEK

## Watershed Boundary



Seattle  
Public  
Utilities



PUGET SOUND/  
SALISH SEA

LONGFELLOW CREEK  
WATERSHED BOUNDARY

### LEGEND

- WATERSHED AREA FLOWING INTO LONGFELLOW CREEK
- LONGFELLOW CREEK
- LONGFELLOW CREEK (PIPED)
- SYLVAN WAY NDS SITE
- KENYON NDS SITE
- 24TH NDS SITE

WEST SEATTLE BRIDGE

SW GENESEE ST

SW BRANDON ST

SW MORGAN ST

SW HOLDEN ST

SW KENYON ST

SW THISTLE ST

SW CLOVERDALE ST

SW TRENTON ST

SW HENDERSON ST

SW BARTON ST

SW ROXBURY ST

ROXHILL PARK

24TH AVE SW

DUNAMISH RIVER

LONGFELLOW CREEK

PROJECT AREA



# WHAT TO EXPECT

How a typical NDS planting installation changes over time



BEFORE



NEWLY PLANTED

~1 year



GROWING

~5 years

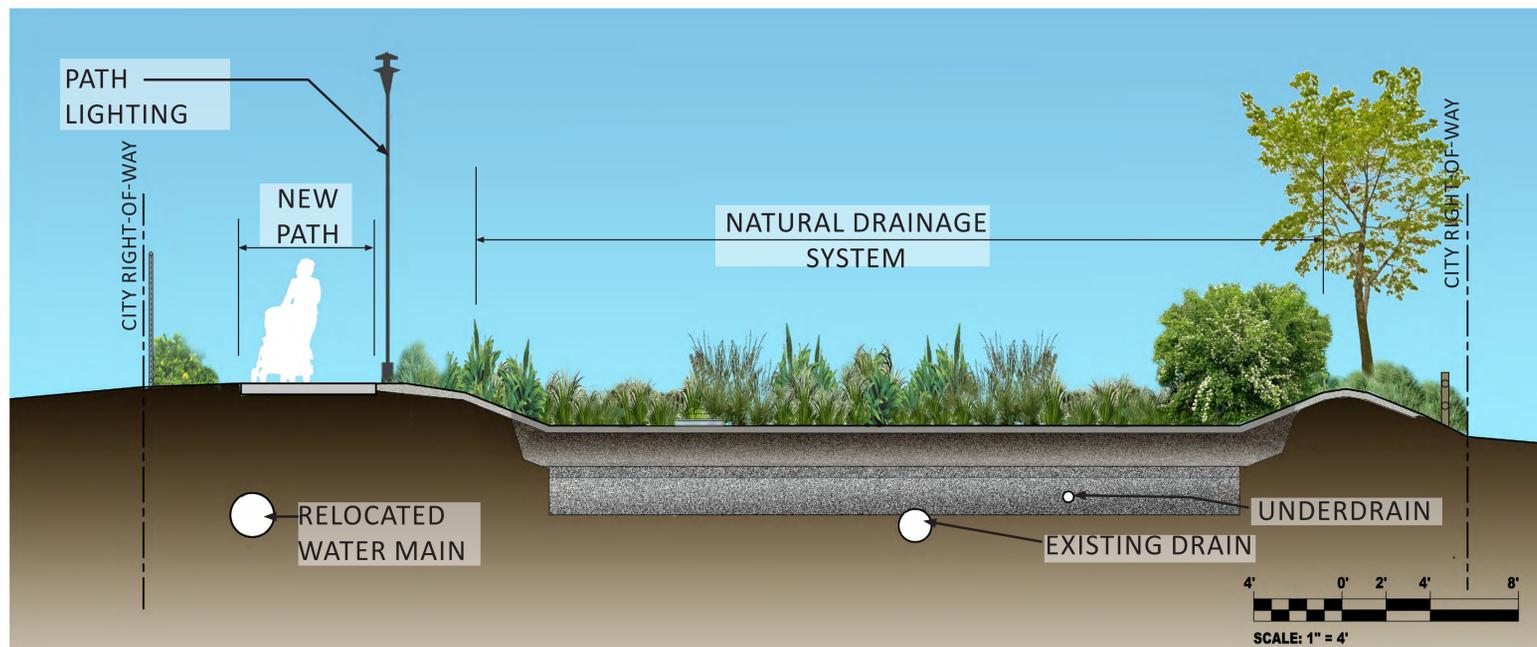


MATURE



# LONGFELLOW CREEK PATH

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



### KEY

- |  |   |   |  |  |
|--|---|---|--|--|
|  NEW SIDEWALK, IMPROVED PATH   |  BOARDWALK                       |  PEDESTRIAN LIGHTING |  NEW SHRUB PLANTING AREA        |  NEW TREE |
|  NATURAL DRAINAGE SYSTEM (NDS) |  PLANTING STRIP/LAWN RESTORATION |  EXISTING SIDEWALK   |  NEW WOODEN POST AND RAIL FENCE |  |

# LONGFELLOW CREEK PATH



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VIEW LOOKING WEST



VIEW LOOKING EAST



City of Seattle



FINAL DESIGN