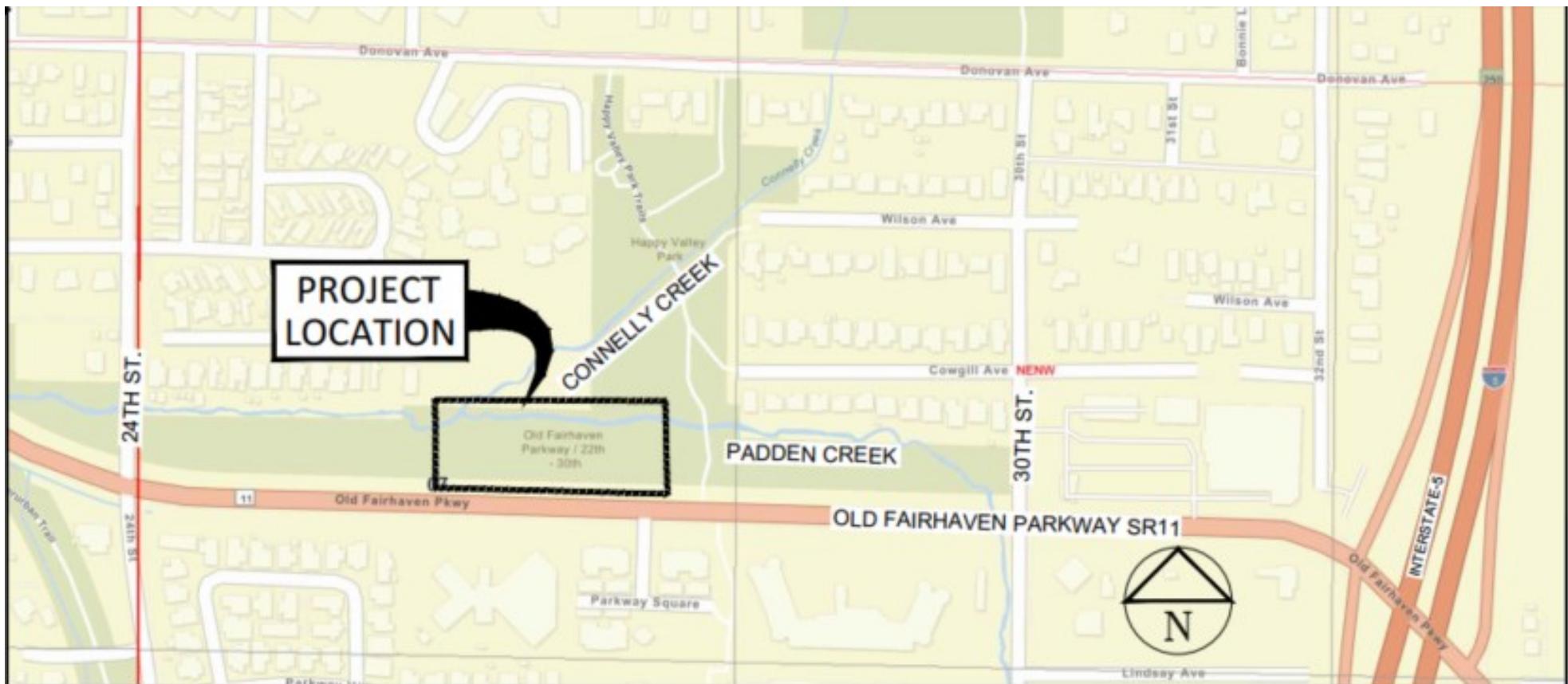


## Padden Creek 24<sup>th</sup> to 30<sup>th</sup> Streets Restoration Project – Phase 1 Overview



Padden Creek is on Washington State's 303(d) list of water quality-impaired waters for dissolved oxygen, temperature, and fecal coliform, and has a TMDL for temperature. The creek has been channelized and constrained by urban development.

The Padden Creek 24th to 30th Streets Restoration Project is a multi-phased restoration project which will help address these impaired conditions in Padden Creek. The project is located west of I-5 between 24<sup>th</sup> and 30<sup>th</sup> Streets.



3 phases are planned. Phase 1 is funded, designed and going to construction this summer (2022). Phase 2 has been awarded funding, will be in design phase in 2023 with construction scheduled for 2024. Phase 1:

- Is funded through the Dept of Ecology's Centennial Clean Water Grant program and match from the City Stormwater Utility.
- Consists of stream improvements between the confluence with Connelly Creek to the footbridge and trail. This project will expand Padden Creek's floodplain to the south and restore and enhance the riparian buffers through the removal of invasive species and the planting of native species.



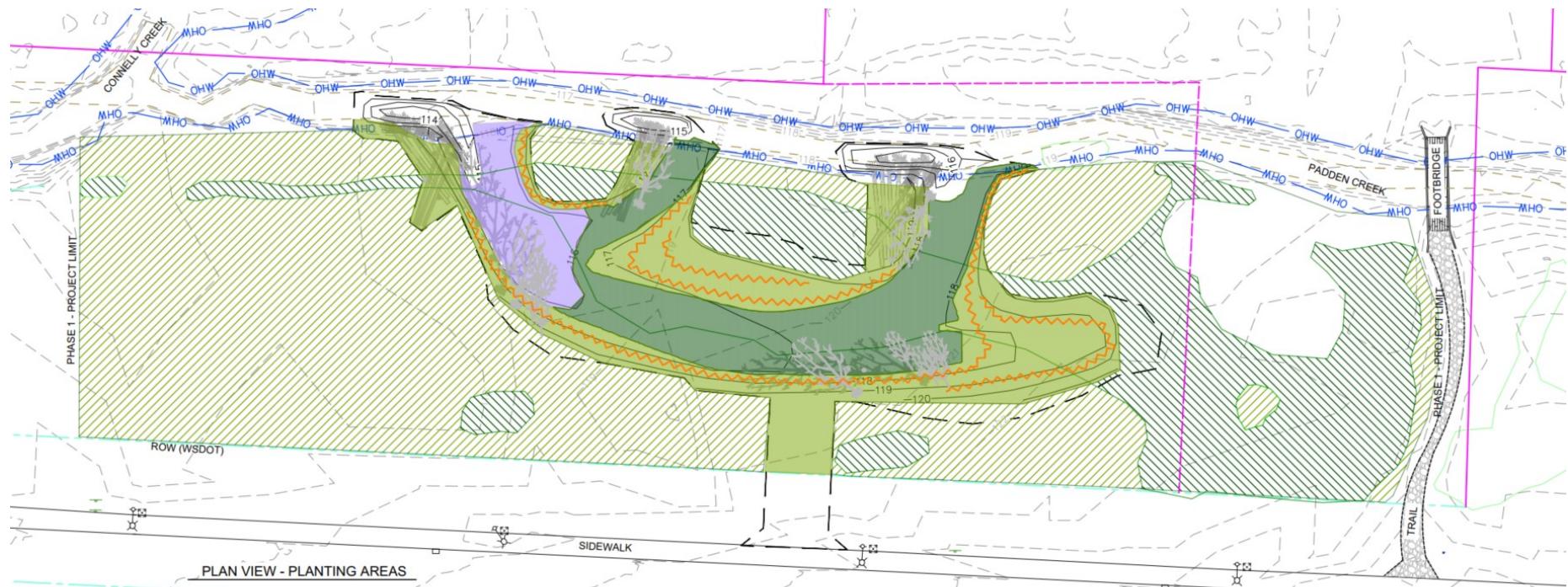
Phase 1 existing conditions – straightened channel



Phase 1 existing conditions – human impacts, straightened channel, limited floodplain with eroding banks



Phase 1 existing conditions – riparian area has areas of invasive plants and limited tree cover



#### LEGEND

- OHW — ORDINARY HIGH WATER
- — — LIMITS OF DISTURBANCE (CLEARING LIMITS)
- — — CONTOUR, EXISTING, 1 FT
- — — CONTOUR, PROPOSED, 1 FT
- — — PROPERTY LINE
- — — RIGHT OF WAY

— RIPARIAN LIVE STAKE ROWS

■ WETLAND POCKET PLANTINGS IN GRADING AREAS (0.05 AC)

■ FORESTED WETLAND PLANTINGS IN GRADING AREAS (0.15 AC)

■ UPLAND PLANTINGS IN GRADING AREAS (0.28 AC)

■ INVASIVE PLANT REMOVAL AND FORESTED WETLAND PLANTINGS IN RIPARIAN BUFFER (0.33 AC)

■ INVASIVE PLANT REMOVAL AND UPLAND PLANTINGS IN RIPARIAN BUFFER (0.85 AC)



#### NOTES:

1. SEE SHEET 14 FOR PLANT LIST AND PLANTING DETAILS.
2. ZONES OF EXISTING VEGETATION TO BE PRESERVED WILL BE IDENTIFIED DURING CONSTRUCTION.
3. IN RIPARIAN BUFFER ZONES, NORWAY MAPLE, ENGLISH HAWTHORN, AND THE CLASS A, B AND C SPECIES ON THE CURRENT WHATCOM COUNTY NOXIOUS WEED LIST WILL BE REMOVED (SHEET 11).



- Phase 1 will address water quality impairments through widening the floodplain, increasing the vertical connectivity between groundwater and surface water, and through improving the structure and function of instream, off-channel, and buffer habitats.
- Phase 1 will restore approximately two acres of riparian habitat through floodplain enhancement, riparian buffer enhancement, wetland restoration, large woody debris additions, and the creation of backwaters, side channels, pools, and riffles. This effort will reduce bacteria and temperature and increase dissolved oxygen in Padden Creek