

An aerial photograph of a river channel. In the lower-left foreground, a metal grate is visible in the water. The river flows from the top-left towards the bottom-right. The left bank is a mix of dark, silty water and patches of green grass. The right bank is a steep, grassy embankment with some exposed roots. The background shows a wide, flat area of land, likely a floodplain, with a mix of green vegetation and bare earth.

Cherry Creek Floodplain Reconnection – Phase II

Project Overview

Snoqualmie Valley Watershed Improvement District (SVWID)

- **Purpose**
Restore natural floodplain processes, improve fish passage, and reduce chronic flooding impacts caused by the ~2018 avulsion on Cherry Creek.
- **Location**
Cherry Valley, near Duvall, WA
Parcels: 0826079075, 0826079067
Within the 100-year floodplain
- **Project Footprint**
4.8 acres of agricultural land converted to aquatic floodplain habitat.

A photograph of a person wearing a blue hooded jacket and dark pants, crouching on a rocky bank next to a stream. A large, weathered log is partially submerged in the water, acting as a barrier. The stream flows from the background towards the foreground. The background shows a grassy field and some trees.

Project Background

2018 Avulsion Event

Cherry Creek abandoned its channel, sending flows across ~300 acres of farmland and infrastructure. The avulsion deposited large amounts of coarse spawning gravels... forcing most of the streamflow across farm fields.

Impacts

- Stranding of thousands of fish in fields
- Fish passage barrier created by relic channel
- Repeated flooding of access roads and utilities
- Agricultural land degradation

Phase I (2020)

Emergency breach repair to temporarily restore flow and fish passage.

Phase II: Key Project Elements

Floodplain Flow Channel

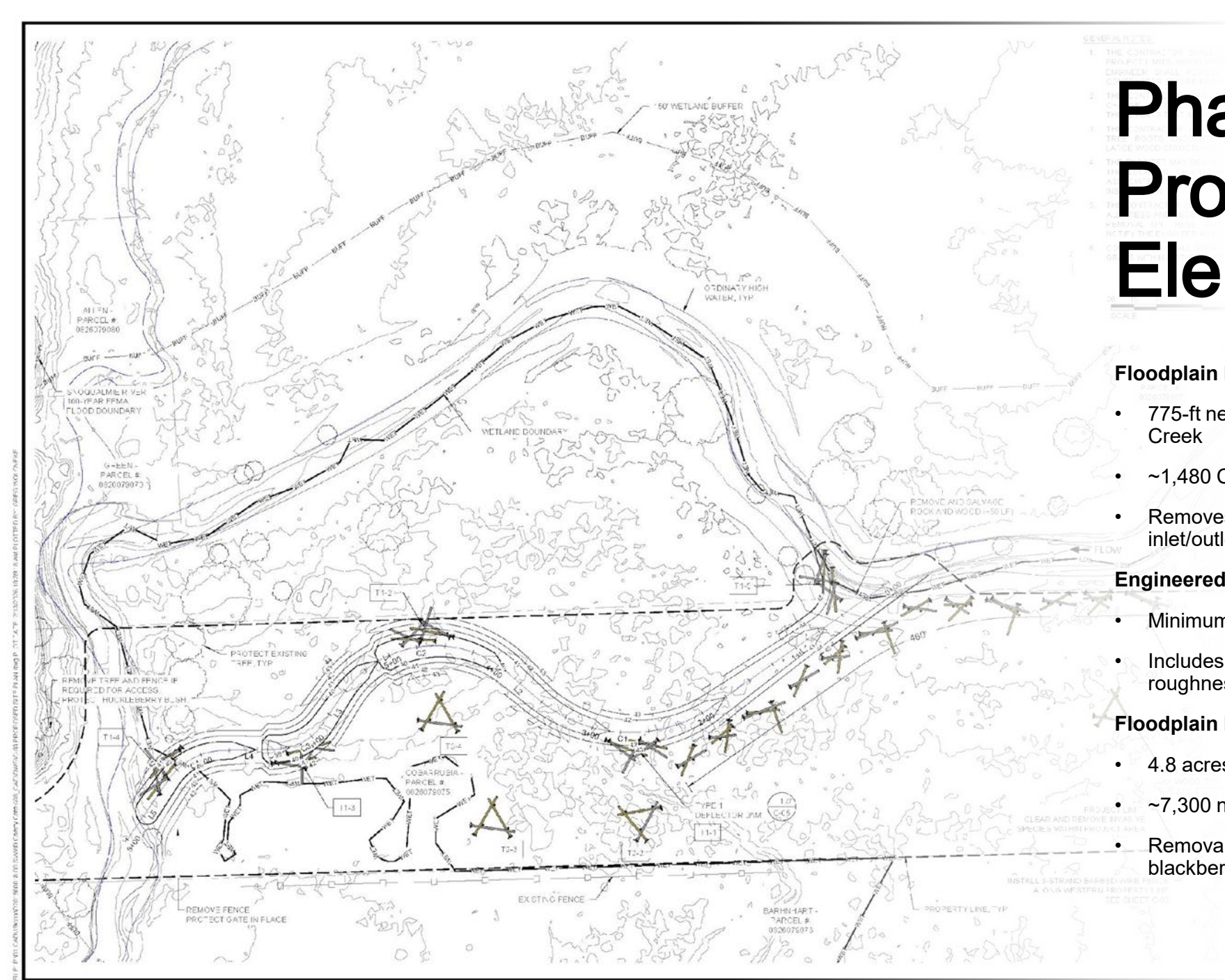
- 775-ft new channel connecting breach area to Cherry Creek
- ~1,480 CY excavation
- Removes temporary breach repair and grades inlet/outlet for fish passage

Engineered Log Jams (ELJs)

- Minimum 12 structures + 40 rootwads
- Includes Type 1 deflector jams, Type 2 floodplain roughness wood, and Type 3 flood fence

Floodplain Rehabilitation

- 4.8 acres restored
- ~7,300 native trees and shrubs
- Removal of reed canarygrass and invasive blackberry/knotweed



Restoration Planting and Ecological Enhancement Plan

King County Public Benefit System Ecological Enhancement Category. The project restores 4.80 acres of frequently flooded agricultural land to riparian forest, wetland, and floodplain habitat.

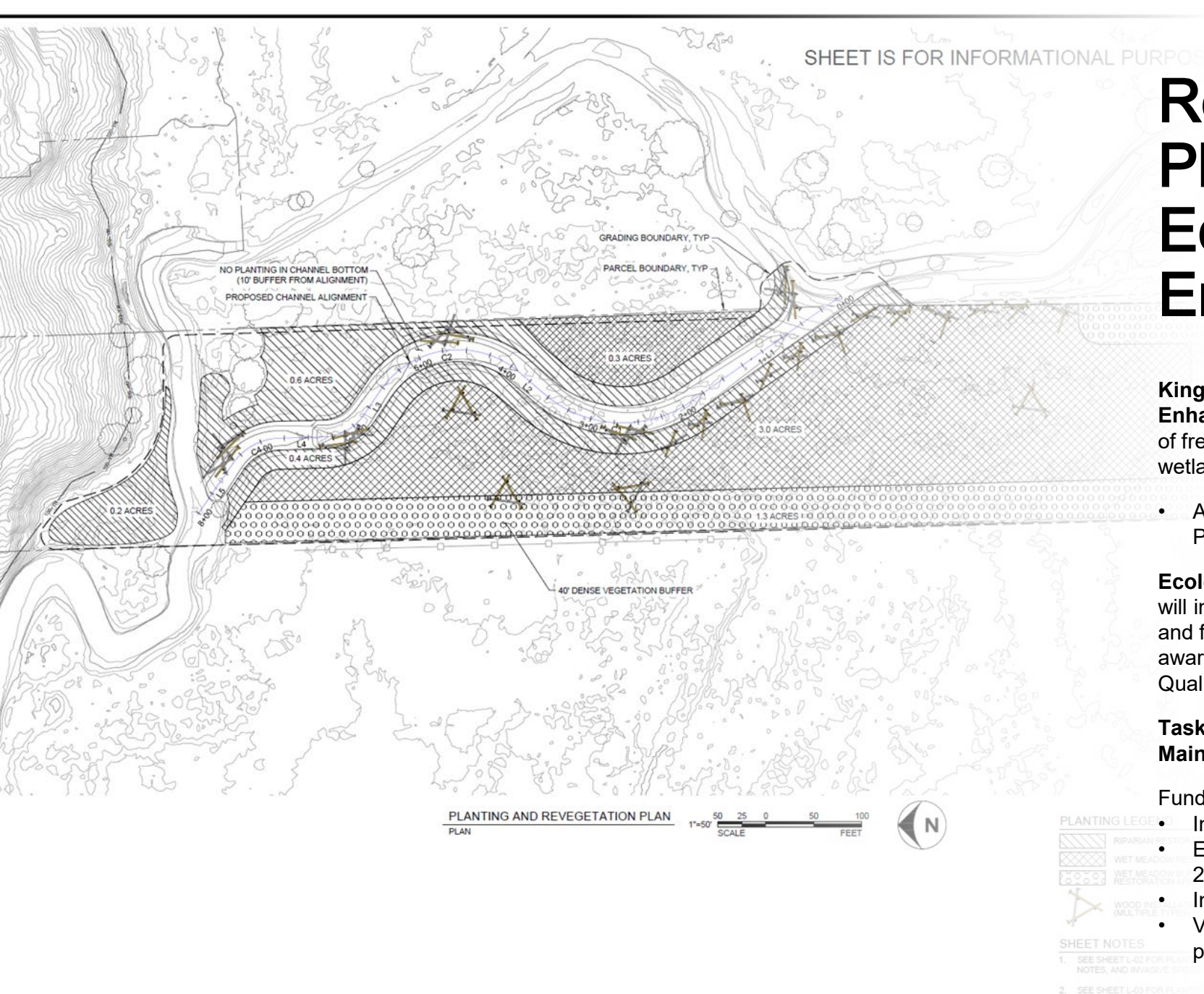
- Annual monitoring reports are required to maintain PBRS status

Ecology Funding for Restoration Planting. The project will improve water quality by restoring instream, riparian, and floodplain functions to 4.8 acres. The SVWID was awarded \$500,000 from Ecology's Combined Water Quality Fund for Phase II implementation.

Task 3: Riparian Restoration & Vegetation Maintenance (\$70,000):

Funding covers:

- Installation of **7,300 native trees and shrubs**
- Establishment of **215-foot-wide riparian buffers** along 2,000 linear feet of Cherry Creek
- Invasive species control before and during planting
- Vegetation monitoring and maintenance to meet performance standards



PLANTING LEGEND



SHEET NOTES

1. SEE SHEET L-02 FOR PLANTING NOTES, AND INVASIVE SPECIES CONTROL.
2. SEE SHEET L-03 FOR PLANTING NOTES.

SHEET IS FOR INFORMATIONAL PURPOSE

SSS Proposed Project to Leverage SVWID Restoration Planting

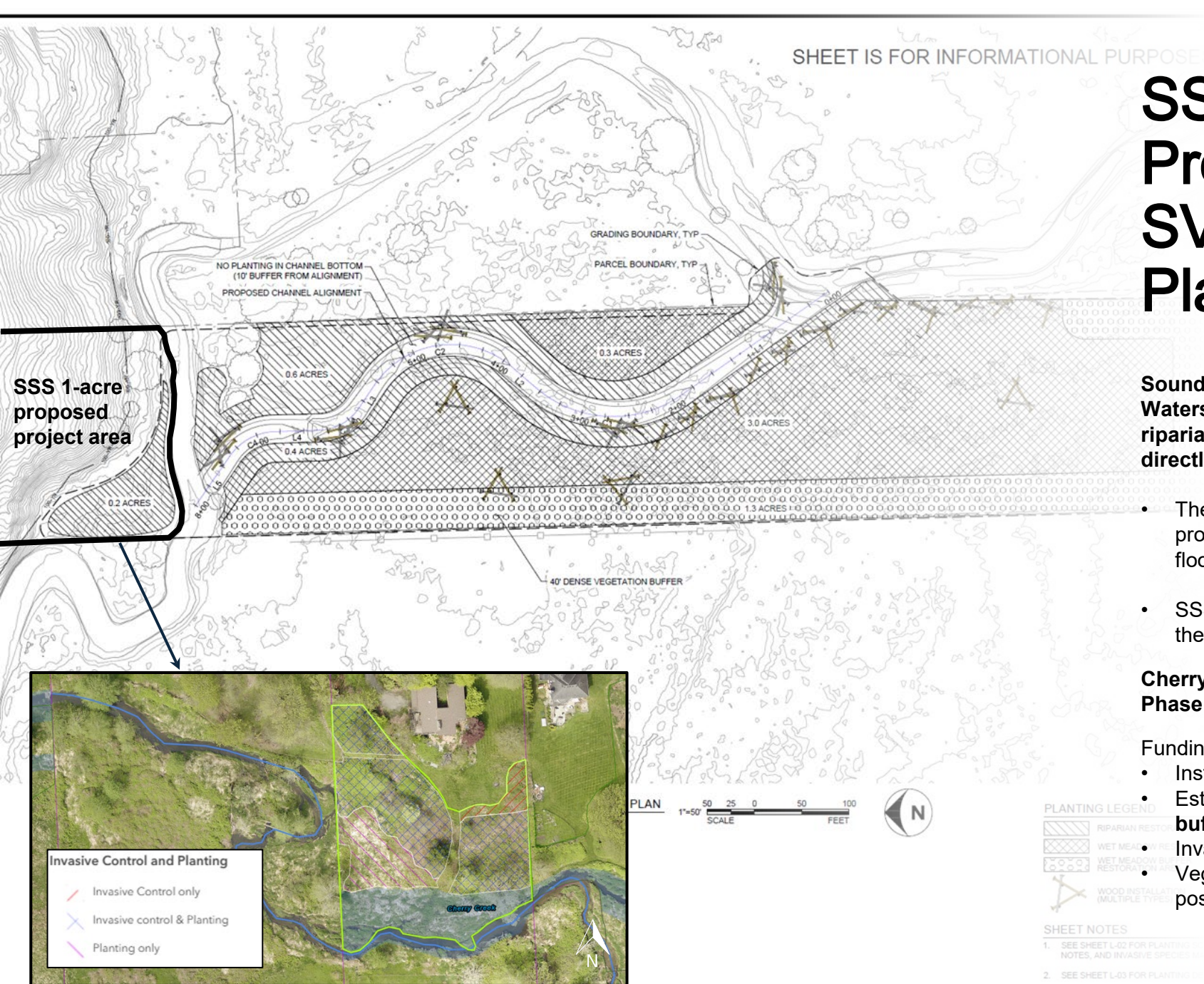
Sound Salmon Solutions is seeking Cooperative Watershed Management (CWM) funding to conduct riparian restoration on the north side of the creek, directly across the mainstem from the SVWID project.

- The proposed project would restore 1.00 acre of flood-prone agricultural land and degraded upland area to floodplain habitat, wetland, and riparian forest.
- SSS has been recommended to receive \$209,647 by the CWM review committee; approval is pending.

Cherry Valley Riparian Restoration and Stewardship Phase I - Worksite #3 (\$32,829):

Funding covers:

- Installation of **1,600 native trees and shrubs**
- Establishment of **100- to 200-foot-wide riparian buffer** along 260 linear feet of Cherry Creek
- Invasive species control before and during planting
- Vegetation monitoring and maintenance for 3 years post-planting to meet performance standards



PLANTING LEGEND



SHEET NOTES

1. SEE SHEET L-02 FOR PLANTING NOTES, AND INVASIVE SPECIES
2. SEE SHEET L-03 FOR PLANTING