SKAGIT FISHERIES ENHANCEMENT GROUP

Stream Design for Little Careys Creek Stream and Wetland Restoration

Prepared July 28, 2022

R E Q U E S T F O R P R O P O S A L S

INTRODUCTION AND BACKGROUND

PURPOSE OF THE REQUEST FOR PROPOSAL

The Skagit Fisheries Enhancement (SFEG) is a nonprofit organization formed in 1990 to engage willing landowners in salmon habitat restoration and watershed stewardship in order to enhance salmon populations. As a non-governmental organization, we have unique cooperative relationships with local landowners, conservation groups, government agencies and tribes. Through the hard work of our volunteers and professional restoration crew, we have been recognized as a local leader in salmon restoration. As one of 14 Regional Fisheries Enhancement Groups in Washington State, we are part of a coordinated effort to educate and involve the public in salmon enhancement activities across the state at the community level.

In 2021, SFEG received funding from the Puget Sound Energy (PSE) Settlement Agreement Article 505, Aquatic Riparian Habitat Protection, Restoration, and Enhancement Plan to complete design and permitting for a restoration project that will improve habitat connectivity at Little Carey's Creek. The project will restore a straightened portion of Little Carey's Creek and enhance on-site wetland and buffers. The Little Careys Creek Stream and Wetland Restoration Site is located in the SE 1/4, of Section 11, T 35N, R 06E, north of Walders Road in the Town of Hamilton, Washington (Figure 1). This 39-acre site is owned by Forterra Hamilton LLC. The western portion of the site is open grassland with a large wetland complex encompassing the northeastern quarter of the property. The southeast quarter of the site is forested.

SFEG is working with Forterra to design a project that restores Little Carey's stream habitat and the wetland and wetland buffer area. The property was formerly used for agriculture, and thus a historic forest/shrub-scrub wetland was cleared leaving an area now dominated by reed canary grass. The stream was channelized along the eastern edge of the property to facilitate farming. The proposed project will develop a design aimed at restoring the channel to its former path through a remnant forest area on the southeast side of the property. The project will provide increased winter rearing habitat for salmonids including coho salmon while maintaining high quality wetland habitat for wildlife. We are also currently conducting outreach to the owners of a private road/rail route just south of the property and will work with them to develop a design for improving fish passage where these features cross Little Carey's Creek.

This phase of the project will develop the preliminary and final designs and plans to restore the stream channel through the remanent forest, develop costs and obtain permits. In addition, this phase of the project will develop alternatives for restoring fish passage at the private road crossing. The next phase of the project will be the construction of the stream restoration.

SFEG is seeking a professional engineering firm to develop a design for moving the existing incised, channelized stream channel into what was likely the historic channel route winding through the forest. The restoration plan would increase the length of the forested channel, reduce the overall slope, and install LWD that will help store gravels, initiate and stabilize a pool riffle sequence, and improve overall habitat. The engineering firm will also evaluate and provide alternatives for restoring fish passage at the private crossings of Little Carey's Creek, including construction of modular bridges.

The proposal shall be from qualified Design Engineers licensed in the State of Washington. This document provides additional information that will allow prospective consultants to understand the scope of the effort and develop a proposal in the format desired by SFEG. SFEG will evaluate consultants and select a firm to complete the work based on these proposals.

Figure 1. Little Carey's stream and wetland restoration site vicinity map (site in red).

The area of restoration and enhancement on the project site, conceptual project design plans, Forterra Master Plan, topographic survey, and existing channel information are provided in Attachment 1 (Figures 2-9).

The remainder of this document provides additional information that will allow prospective contractors to understand the scope of the effort and develop a proposal in the format desired by SFEG.

ADMINISTRATIVE

TECHNICAL CONTACT

Any questions concerning technical specifications or Scope of Work (SOW) requirements should be directed to:

Kristin Murray
Restoration Ecologist
P.O. Box 2497
Mount Vernon, WA 98273
Office: 360-336-0172
Cell: 360-853-5898
Fax: 360-336-0701
kmurray@skagitfisheries.org

DUE DATES

All proposals are due by 5:00 pm on August 15, 2022. Any proposal received after the required time and date specified for receipt shall be considered late and non-responsive. Late proposals will not be evaluated for award. Proposals shall be submitted via e-mail in pdf form to Kristin Murray (kmurray@skagitfisheries.org).

SCHEDULE

1. RFP Distribution to Contractors	7/28/2022
2. Proposal Due Date	8/15/2022
3. Estimated Contract Award Notice	9/01/2022
4. Preliminary Design	11/01/2022
5. Final Design for Permits	01/01/2023
5. Bid documentation	03/01/2023

GUIDELINES FOR PROPOSAL PREPARATION

PROPOSAL SUBMISSION

Award of the contract resulting from this RFP will be based upon the most responsive and qualified contractor whose offer will be the most advantageous to SFEG in terms of value, scheduling, and other factors as specified elsewhere in this RFP.

SFEG reserves the right to:

- Reject any or all offers and discontinue this RFP process without obligation or liability to any potential contractor,
- Award a contract on the basis of initial offers received, without discussions or requests for best and final offers, and
- Award more than one contract.

Consultant's proposal shall be submitted as set forth below. The Consultant will confine its submission to those matters sufficient to define its proposal and to provide an adequate basis for SFEG's evaluation of the Consultant's proposal.

Consultant's proposal in response to this RFP will be incorporated into the final agreement between SFEG and the selected Consultant (s). The submitted proposals should include each of the following sections:

1. Cover Letter
2. Scope, Approach & Understanding
3. Describe your firm's experience completing work and producing products like those described in this request.
4. Personnel who will be working on the project.
5. Project budget and Rates
6. Three References

3. PROJECT DELIVERABLES

The deliverables for this project shall consist of:

- Coordinate with SFEG and Forterra to develop the design for the Little Carey's Creek channel reconfiguration
- Model hydrology and hydraulics to inform the design of the new channel (1D)
- Sample soil conditions along the proposed channel route to determine proposed streambed conditions.
- Complete preliminary and final designs and plan sets for all project components for permit submittal. The plan set will include the wetland planting area, which will be designed by SFEG. Design will include writing preliminary and final design reports.
- Support SFEG in preparing permit applications as needed.
- Prepare construction specifications and bidding/contract documents for channel restoration
- As a separate bid item, please include costs to develop alternatives for fish passage design.

4. Evaluation Criteria

SFEG intends to select a consultant on the basis of the information provided by each firm in the written proposal.

Successful firm will have:

- Demonstrated history of designing stream restoration projects
- Expertise in hydraulic analysis
- Ability to work collaboratively with project partners
- Demonstrated ability to maximize project potential at best value
- Ability to meet the project timeline

ATTACHMENT 1
Area of Restoration map

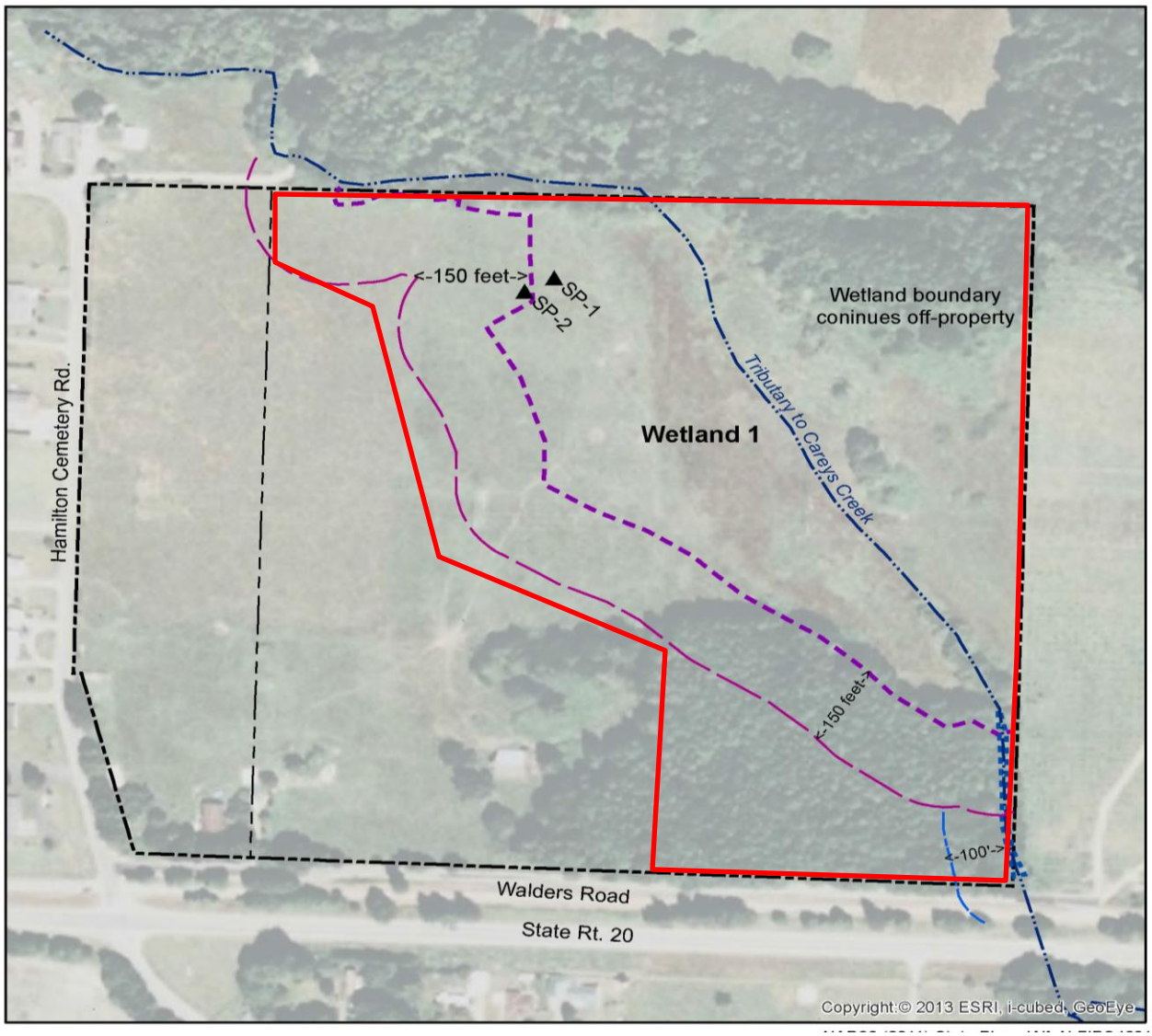


Figure 2. Little Careys Project Restoration Project Area (in red). Wetland and buffer areas will be planted with native trees and shrubs.

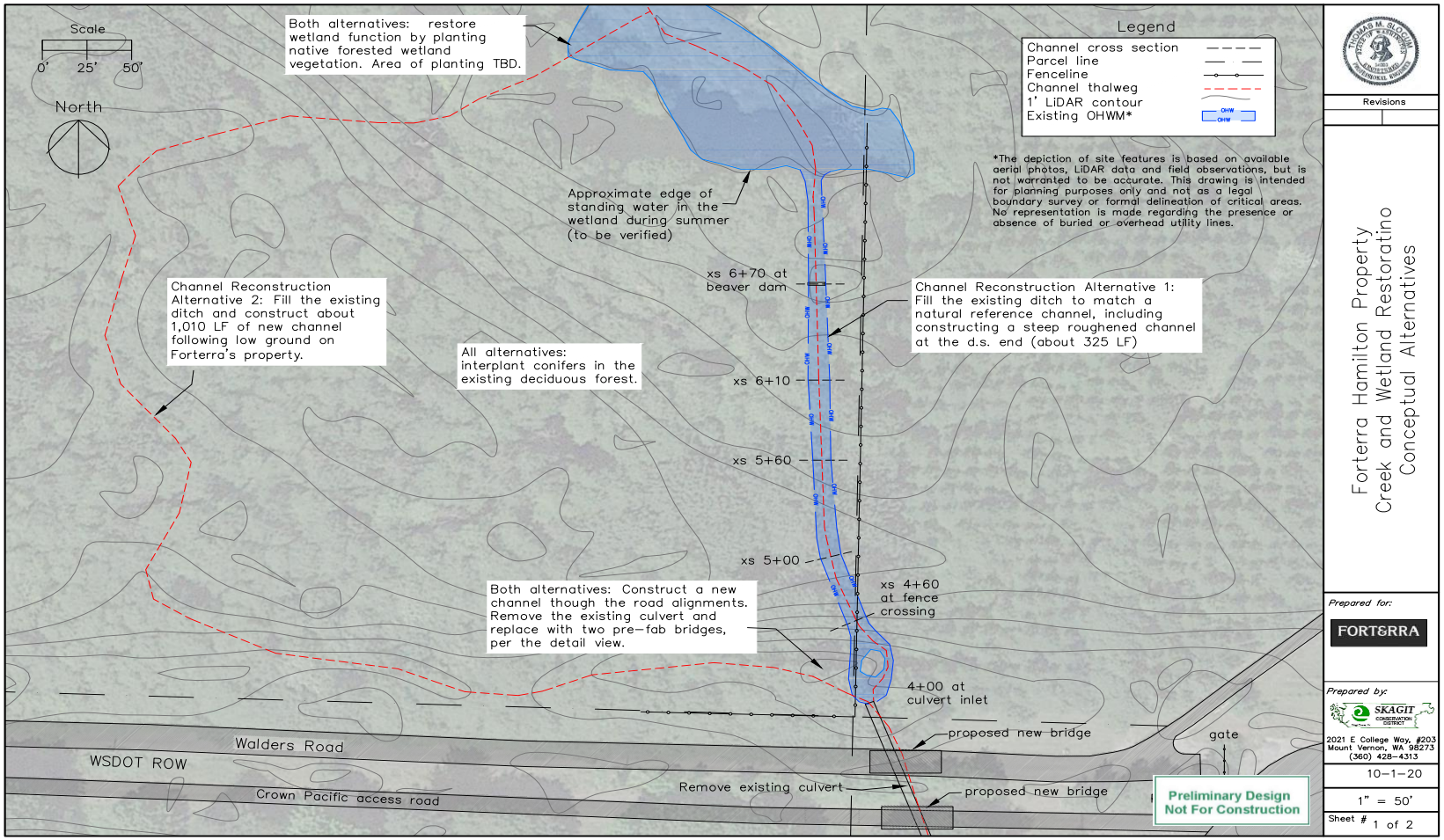


Figure 3. Area where new channel re-alignment is proposed, and excavation will occur.

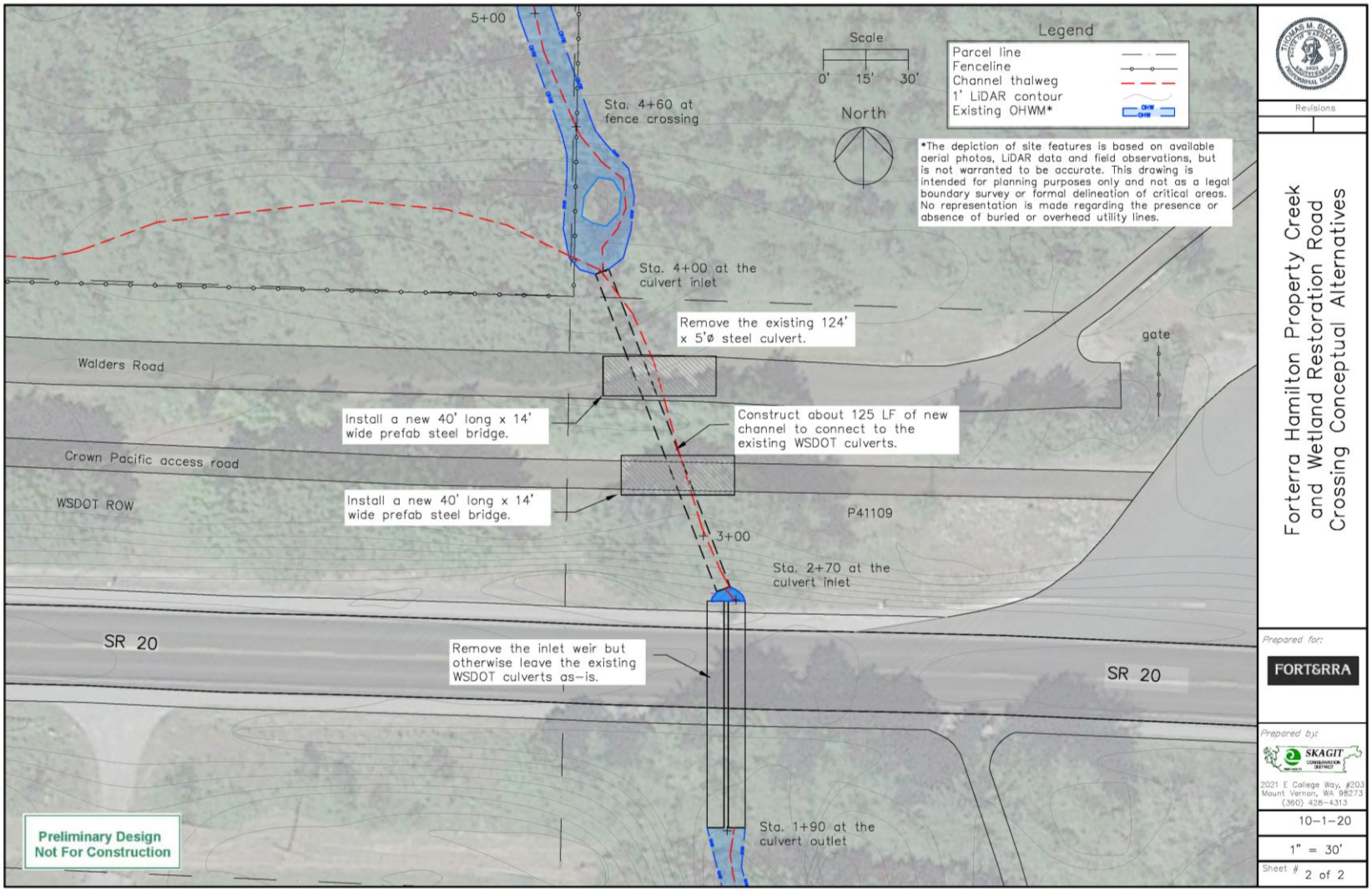


Figure 4. Area downstream where two new stream crossings are proposed under Walders Road and Crown Pacific Access Road.

Figure 5. Forterra Master Plan

F

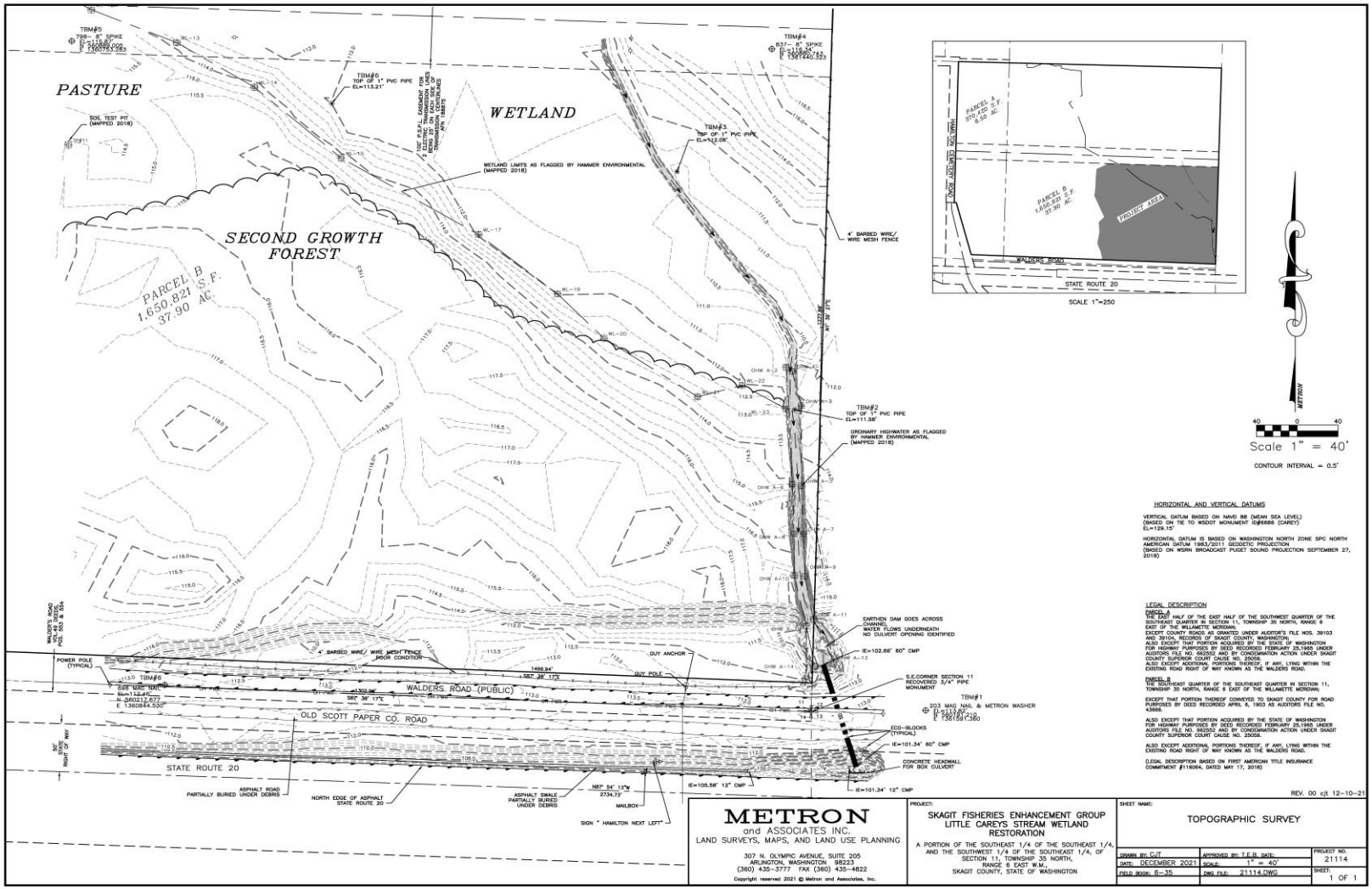
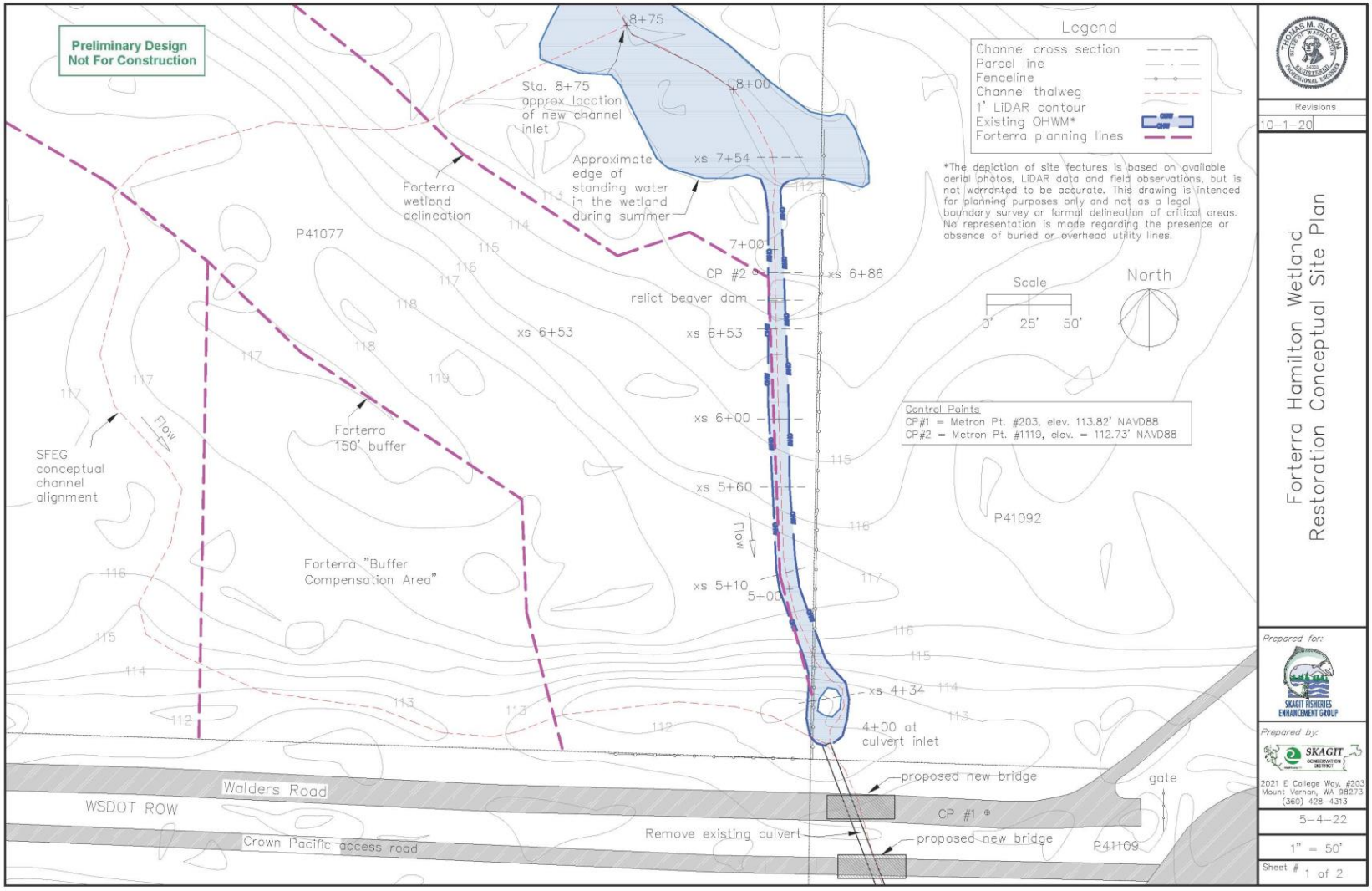
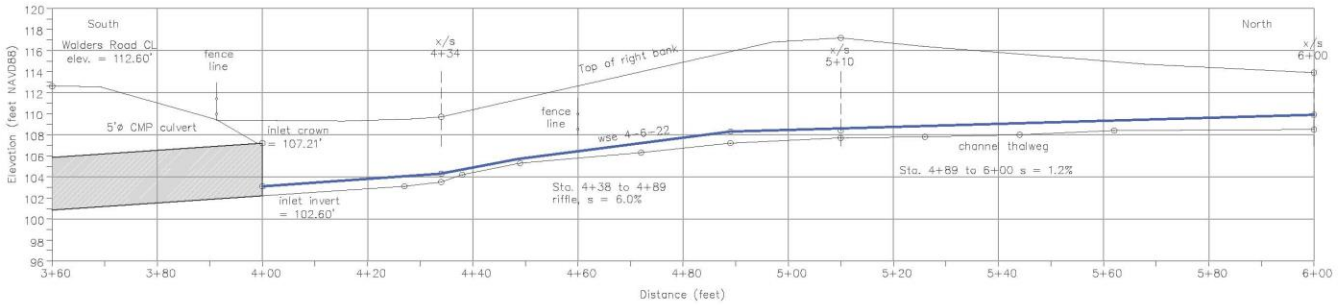


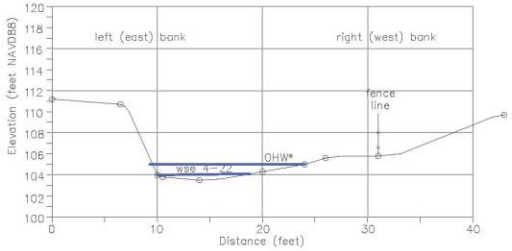
Figure 6. Topographic base map


Preliminary Design
Not For Construction
Legend
Channel cross section
Parcel line
Fenceline
Channel thalweg
1' LiDAR contour
Existing OHWM*
Forterra planning lines
*The depiction of site features is based on available aerial photos, LiDAR data and field observations, but is not warranted to be accurate. This drawing is intended for planning purposes only and not as a legal boundary survey or formal delineation of critical areas. No representation is made regarding the presence or absence of buried or overhead utility lines.
Scale
0' 25' 50'
North
Control Points
CP#1 = Metron Pt. #203, elev. 113.82' NAVD88
CP#2 = Metron Pt. #1119, elev. = 112.73' NAVD88
8+75
8+00
7+00
5+00
Sta. 8+75 approx location of new channel inlet
Approximate edge of standing water in the wetland during summer
xs 7+54
xs 6+86
xs 6+53
xs 6+00
xs 5+60
xs 5+10
xs 4+34
CP #2
CP #1
relict beaver dam
Forterra wetland delineation
Forterra 150' buffer
Forterra "Buffer Compensation Area"
SFEG conceptual channel alignment
Flow
P41077
P41092
P41109
4+00 at culvert inlet
proposed new bridge
Remove existing culvert
gate
Walders Road
WSDOT ROW
Crown Pacific access road
Revisions
10-1-20
Forterra Hamilton Wetland Restoration Conceptual Site Plan
Prepared for:
SKAGIT FISHERIES ENHANCEMENT GROUP
Prepared by:
SKAGIT CONSERVATION DISTRICT
2021 E College Way, #203
Mount Vernon, WA 98273
(360) 428-4313
5-4-22
1" = 50'
Sheet # 1 of 2

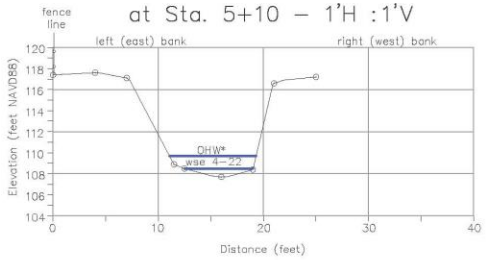
Channel Profile Sta. 3+60 to 6+00 – 2'H :1'V



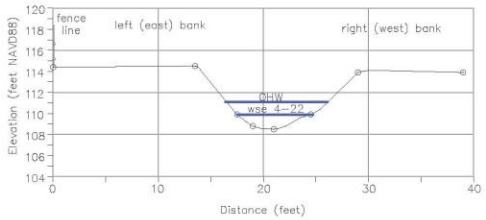
Channel Cross Section View at Sta. 4+34 – 1'H :1'V



Channel Cross Section View at Sta. 5+10 – 1'H :1'V



Channel Cross Section View at Sta. 6+00 – 1'H :1'V



*Estimated ordinary high water based on field indicators

Revisions

Forterra Hamilton Wetland Restoration
Existing Creek Profile and Cross Section Views

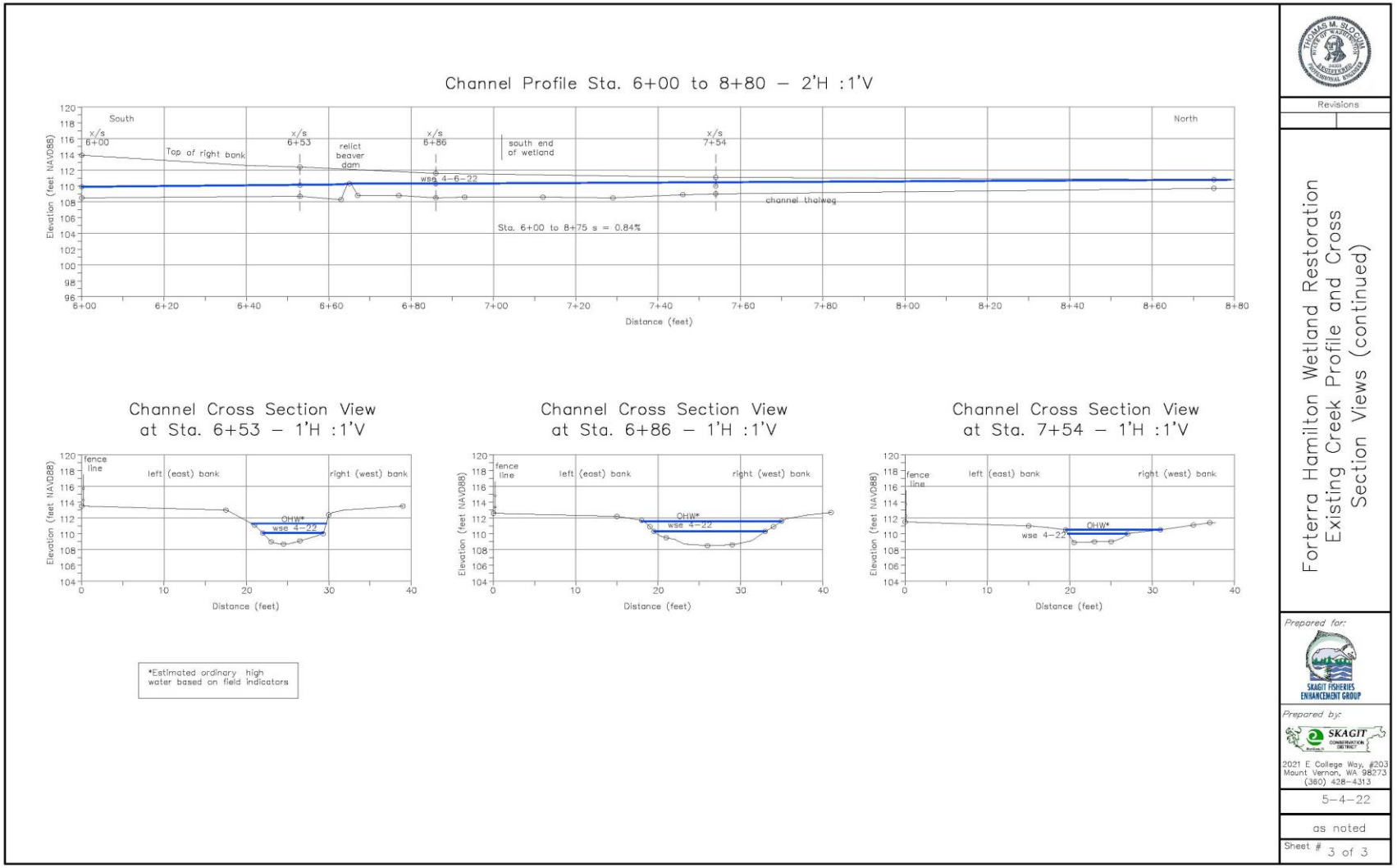
Prepared for:
SKAGIT FISHERIES ENHANCEMENT GROUP

Prepared by:
SKAGIT CONSERVATION DISTRICT
2021 E College Way, #203
Mount Vernon, WA 98273
(360) 428-4313

5-4-22

as noted

Sheet # 2 of 3



Figures 7-9. Existing channel baseline information