



2015-17 Small Projects Recruitment Form

Chehalis River Basin Flood Relief

What are small projects? -- In general, small projects are those projects that provide predominantly localized benefit, are capable of being completed within the funding cycle, are supported by the jurisdiction within which the project is proposed, and are vetted and advanced through the Chehalis River Basin Flood Authority's Chehalis Basin Projects Committee.

Instructions:

- a. Please submit project requests (via this form) to Scott Boettcher (scottb@sbgh-partners.com) no later than 5:00 p.m. September 10, 2014.
- b. Please submit individual project request forms for each project in your jurisdiction, even those projects previously or partially funded in the past.
- c. Note: Parts III and IV below [marked by "(**)"] will be scored as part of the Chehalis Basin Projects Committee's review and evaluation. Part I and II will not be scored.

Part I General	
1. Date:	September 10, 2014
2. Project Name:	Salzer Creek Tributary Restoration
3. Project Location -- Please identify the location of the project as precisely as possible, preferable with latitude/longitude coordinates.	The proposed project is adjacent to Salzer Road, MP 0.10 to 0.20. In Lewis County, Washington; legal description Section 23, Township 14 North and Range 2 West with a latitude of 46°40'59.77" North and a longitude of 122°54'11.06" West.
4. Project Contact -- Please identify who will be responsible for overseeing and managing the project (i.e., name, email, telephone number, etc.).	Rod Lakey, P.E., Senior Engineer 2025 NE Kresky Ave., Chehalis, WA 98532 Rodney.Lakey@lewiscountywa.gov 360-740-2780
5. Lead Organization -- Please identify the lead organization, agency, entity, etc. responsible for this project.	Lewis County Public Works 2025 NE Kresky Ave., Chehalis, WA 98532
Part II Description, Timing and Cost	

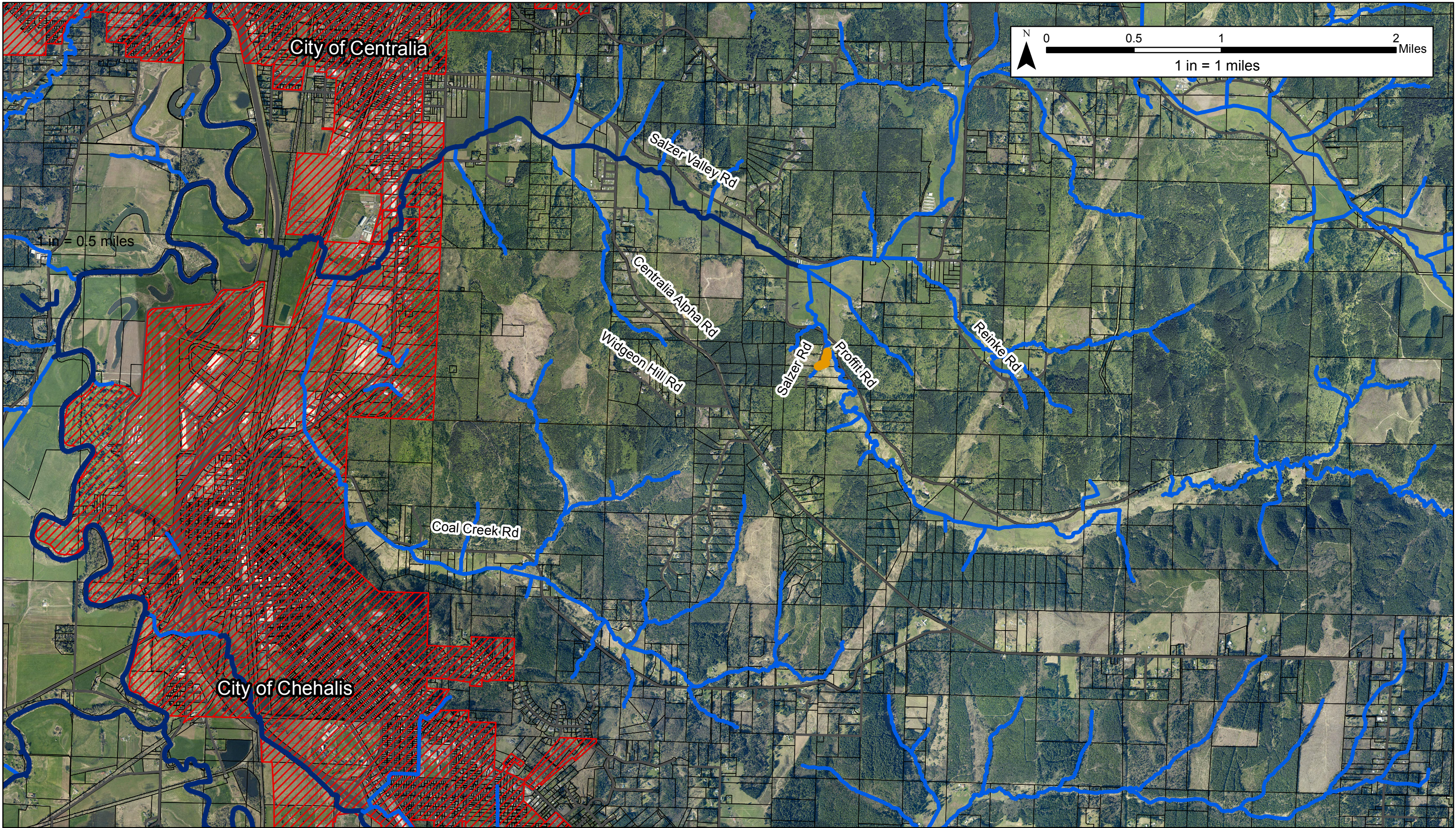


6. Project Description -- Please describe the project, what it is intended to accomplish, and the benefits that will accrue and to whom.	Lewis County Public Works requests funding to reconnect an isolated fish stream to Salzer Creek South Fork and enhance the surrounding wetland/riparian area in an effort to alleviate flooding and improve fish habitat. Historically, this drainage carried flows through approximately 660 linear feet of adjacent agricultural fields before outletting into Salzer Creek South Fork. Within the past 50 years, sands have deposited within these agricultural lands and have filled in the historic channel isolating this drainage. The filling of this channel has resulted in flood waters overtopping Salzer Road over half of the year.
7. Project Timeline -- Please describe the overall timeline for completion of the project as well any interim stages or phases.	It is anticipated Lewis County would be able to work on acquiring the survey of these areas within 3 month, design the project within a year, and acquire lands and permits within 2 years of receiving funds for this project.
8. Project Cost and Funding -- What is the cost of this project? What are the on-going maintenance and operation requirements? Is it clear who will be responsible for on-going maintenance and operations costs?	Amount requested from the Flood Authority: \$140,345 Maintenance and operation costs and responsibility will reside with Lewis County Public Works.
9. Other Funding -- Please explain the extent to which other funding sources or funding partners are available.	N/A
<p style="text-align: center;">Part III (**) Completion and Doability by June 30, 2017</p>	
10. Project Completion -- Does the funding requested complete (or substantially complete) a project that has already been started? If so, please explain.	This is a new proposed project.
11. Project Doable -- Can this project or the stage/phase for which funding is sought be completed by June 30, 2017?	The proposed project timeline is reasonable and completion by June 30, 2017 should be easily accomplished.
12. Project Impacts -- Please identify how any project impacts will be mitigated and if that mitigation will be accomplished by June 30, 2017?	The proposed restoration will 1) reconnect approximately 5 acres of floodplain, 2) re-establish a natural channel migration zone, 3) enhance/and or rehabilitate wetlands, and 4) enhance salmon habitat by reconnecting the isolated fish stream to Salzer Creek South Fork, providing a sinuous channel with off channel habitat and overbank flooding areas, and planting riparian buffers (~ 100 ft on either side) along the reestablished stream channel. It is anticipated that the reestablished channel will provide habitat for coho salmon and cutthroat trout. Large Woody debris will also be incorporated into the stream restoration design. Since this project enhances stream function, no mitigation will be required.



Part IV (**) Benefits Stated and Quantified	
13. Emergency Response -- Please explain how this project enhances our ability to respond in a flood emergency (e.g., does it keep critical access roads, transportation facilities, etc. open and functional.)	The proposed project will keep Salzer Road open during flooding and allow residents continued access to their homes.
14. Essential Infrastructure Protection -- Please explain how this project protects essential infrastructure (as well the risks or consequences of not acting this funding cycle).	The proposed project would allow for the County to protect Salzer Road from flooding. A stream/regrade is currently proposed to be constructed along the roadway from MP 0.20 to 0.30. This proposed project is being submitted to the WDFW, USACE, and Lewis County Community Development for permits and construction is anticipated to occur in the summer of 2015. If this proposed stream restoration (MP 0.10 to 0.20) does not occur downstream then the reach proposed for regrade (MP 0.20 to 0.30) will continue to fill with sediment and require on-going and increased maintenance.
15. Public Health, Safety and Welfare -- Please explain how this project protects public health, safety and welfare.	This project will result in increased public safety as landowners will no longer be stranded during flood events or need to drive through a flooded roadway to access their properties 6-months a year.
16. Residential, Commercial and/or Agricultural Protection -- Please explain how this project protects residential, commercial and/or agricultural interests and communities and the benefits of acting (or consequences of not acting) this funding cycle. Consider factors like number of structures at risk, number of people at risk, historic frequency of flood damage, magnitude of benefit to be gained for the cost, etc.).	This project is anticipated to alleviate flooding on Salzer Road providing better access for multiple property owners and potentially improving approximately 13 acres of agricultural lands upstream of the restoration site. This site is frequently flooded resulting in water over the roadway for over six months during an average year.
17. Other Project Impacts -- Please explain how this project impacts or is potentially impacted by another project.	As previously mentioned, a stream/regrade is currently proposed to be constructed along the roadway from MP 0.20 to 0.30. If this proposed stream restoration (MP 0.10 to 0.20) does not occur downstream then the reach proposed for regrade (MP 0.20 to 0.30) will continue to fill with sediment and require on-going and increased maintenance.
18. Anything Else -- Please feel free to offer any additional information (e.g., photos, maps, drawings, etc.) that would be helpful to better understand the scope, timeline and benefits of this project.	Please refer to the attached Vicinity Map, Plan View, Cross Sections, and Proposed Planting Plan.





Legend







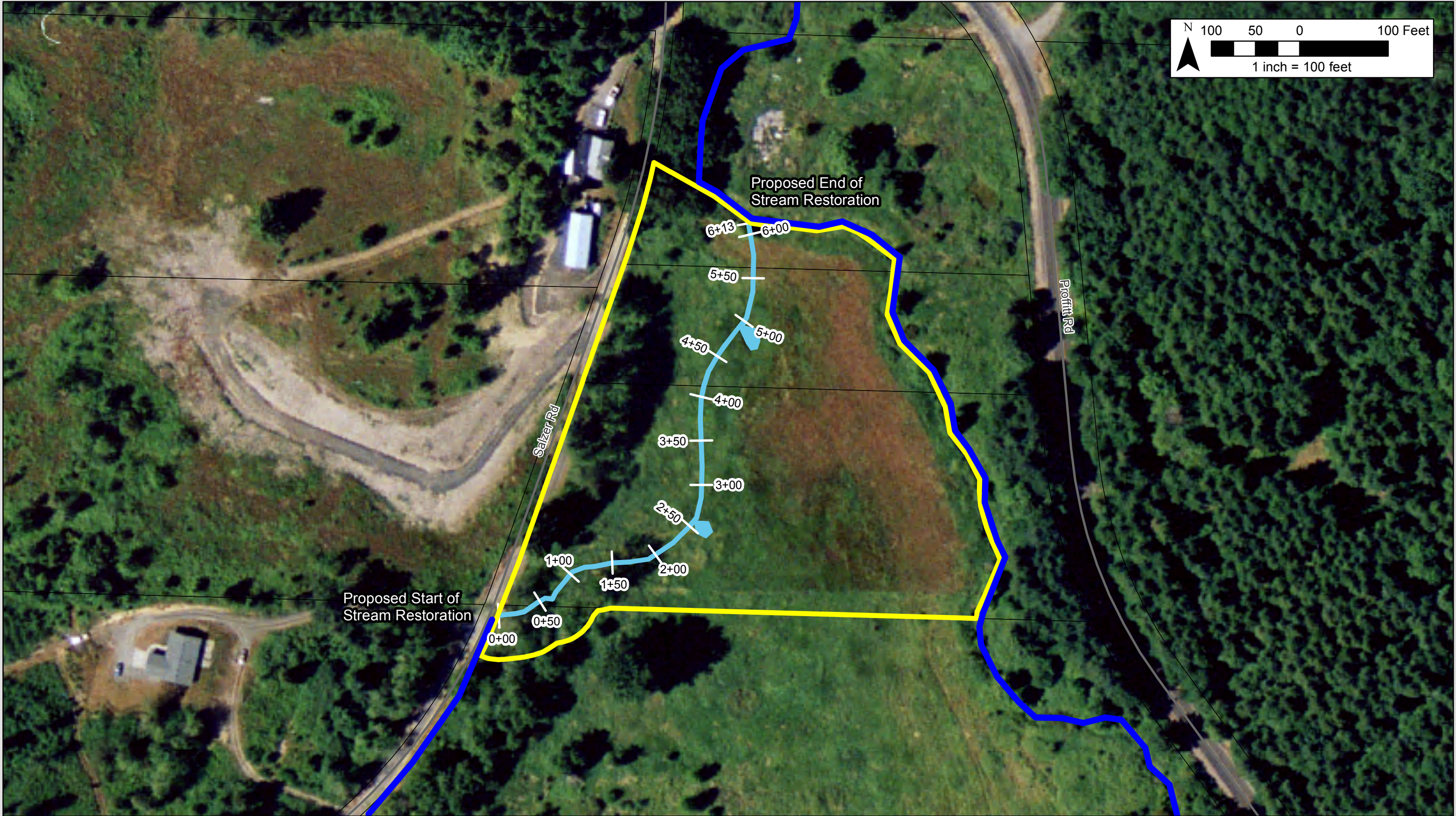
	Project Area		Roads		City Limits
	Shoreline of Statewide Significance		Parcels		
	Fishbearing Stream				

Figure 1: Vicinity Map
Salzer Road MP 0.10-0.20 Stream Channel
Section 23, Township 14 North, Range 2 West
August 4, 2014



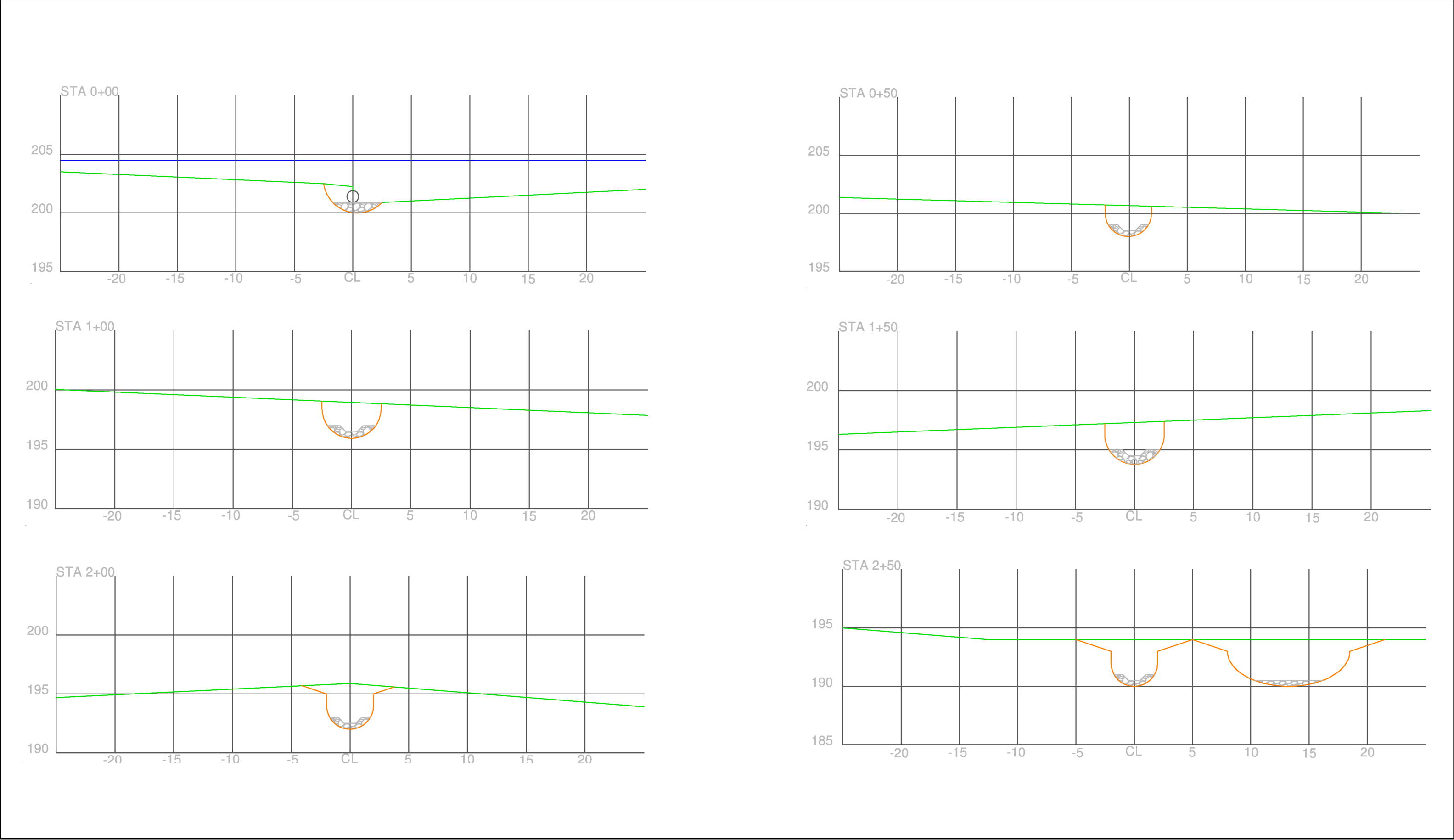
Legend

- | | |
|-------------------------|-----------------|
| Project Area | Existing Stream |
| 25ft Wide Cross Section | Roads |
| Proposed Stream Channel | Parcels |

Figure 2: Plan View With Stationing

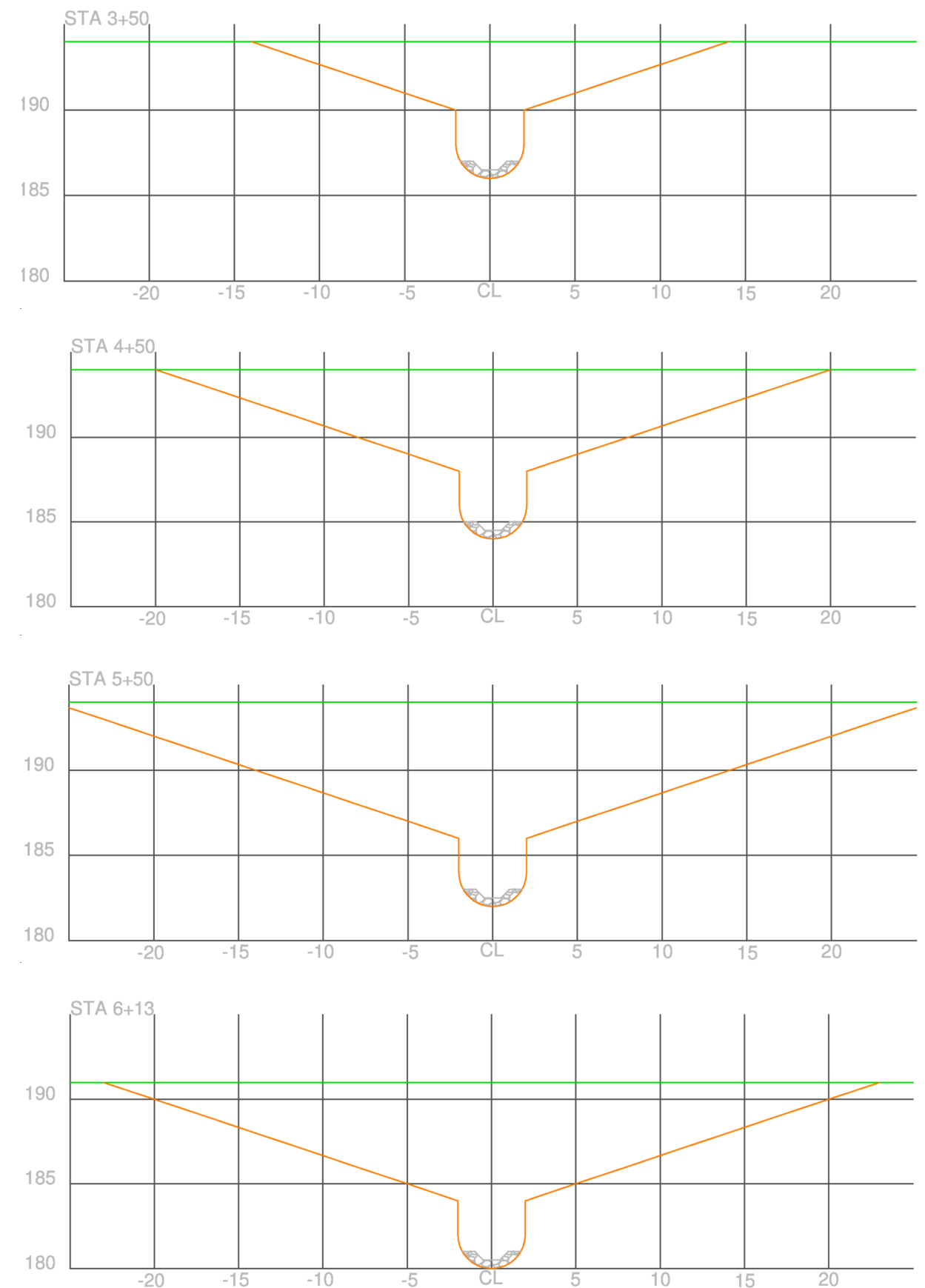
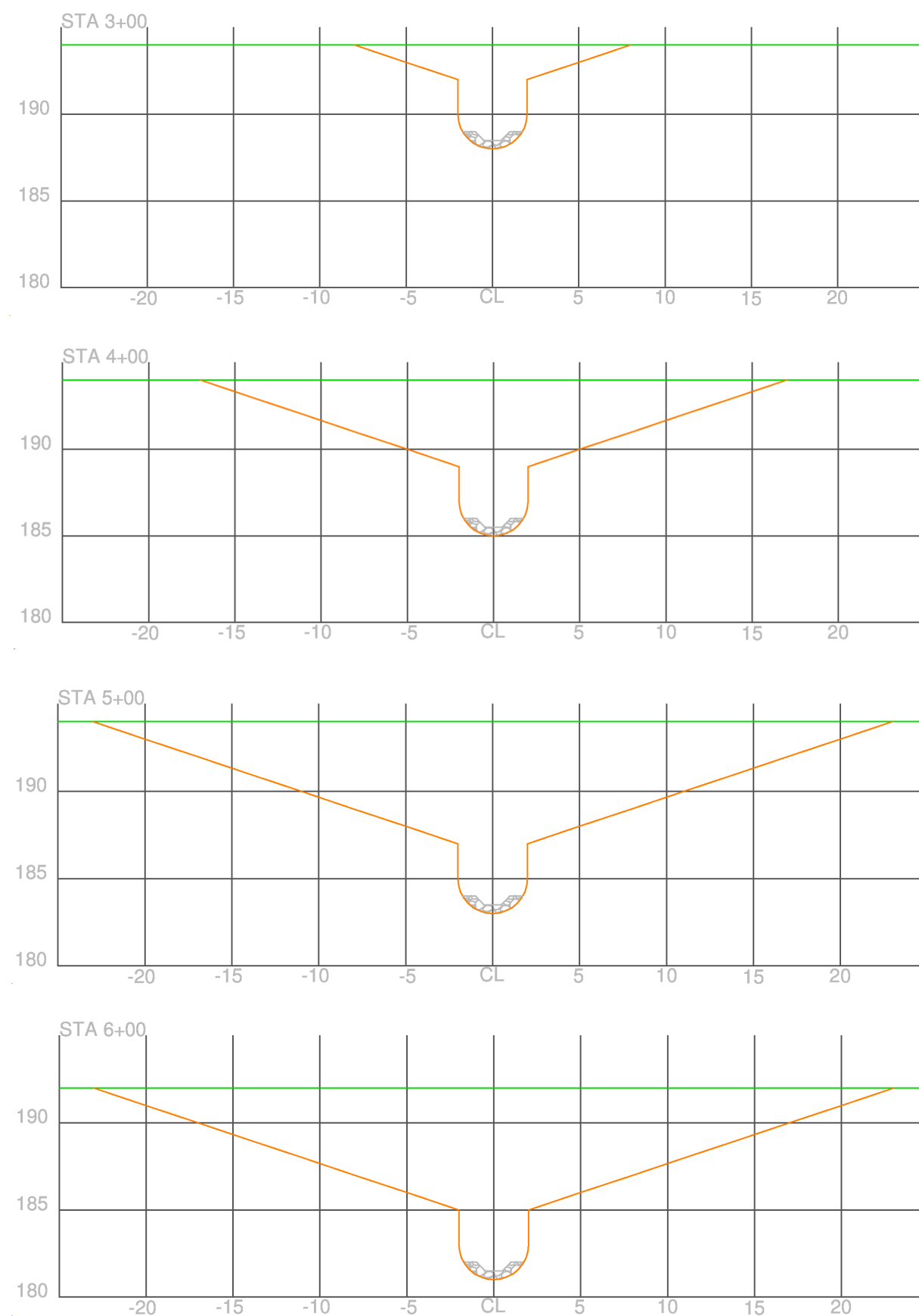
Lewis County
Section 23, Township 14 North, Range 2 West

Aug 19, 2014



Legend
Existing Ground
Proposed Regrade
Ordinary High Water Line

Figure 3: Cross Sections of the Proposed Stream Channel
Salzer Road Stream Restoration - MP 0.10 to 0.20
Section 23, Township 14 North, Range 2 West
August 19, 2014



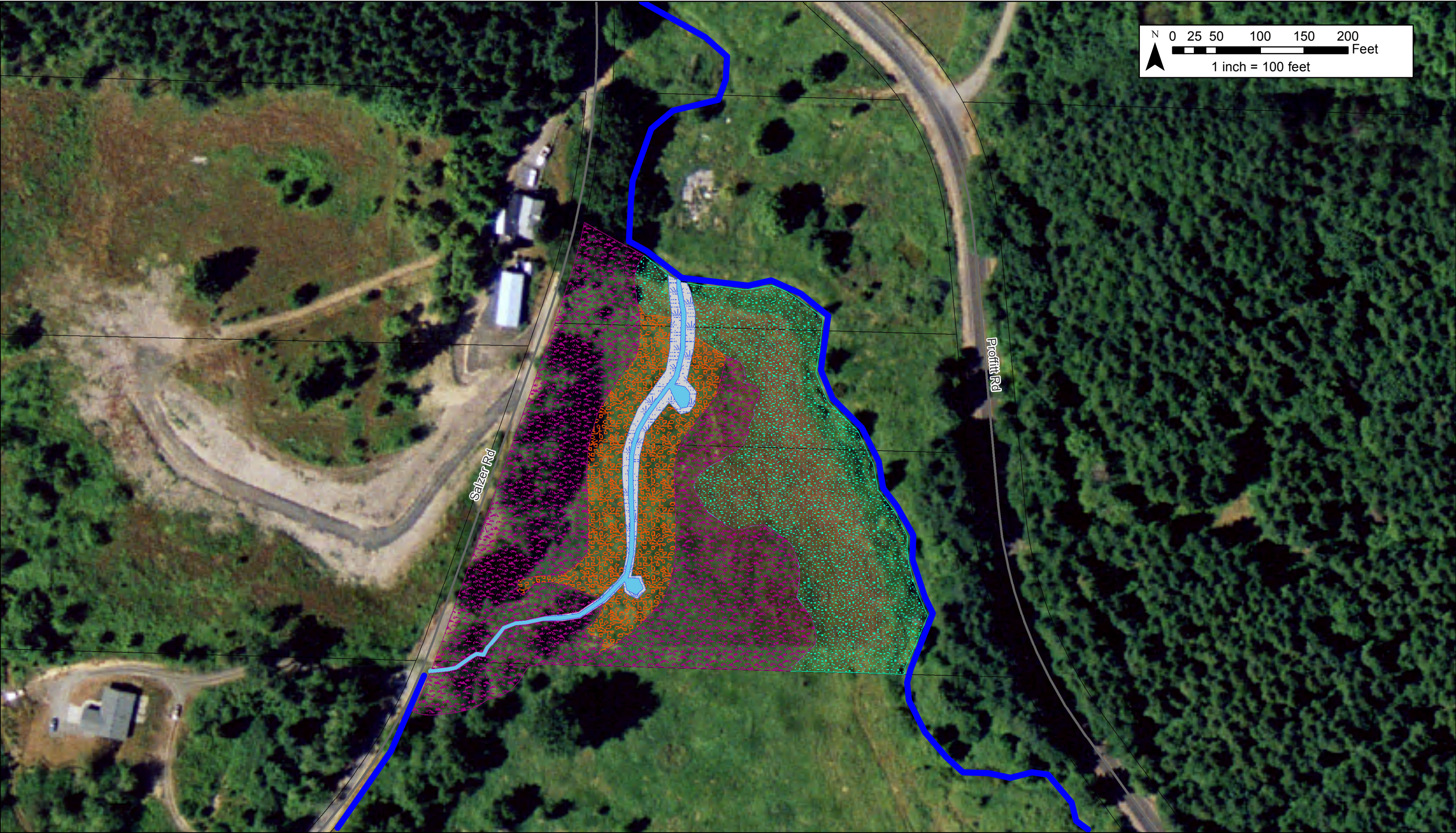
Legend

- Existing Ground
- Proposed Regrade
- Ordinary High Water Line

Figure 4: Cross Sections of the Proposed Stream Channel

*Salzer Road Stream Restoration - MP 0.10 to 0.20
Section 23, Township 14 North, Range 2 West*

August 19, 2014



Legend

	Proposed Stream Channel		Remove Invasive Species and Plant Emergent		Roads
	Existing Stream		Riparian Area 1		Parcels
			Riparian Area 2		
			Riparian Area 3		

Figure 1: Proposed Planting Plan
Lewis County
Section 23, Township 14 North, Range 2 West
September 10, 2014