




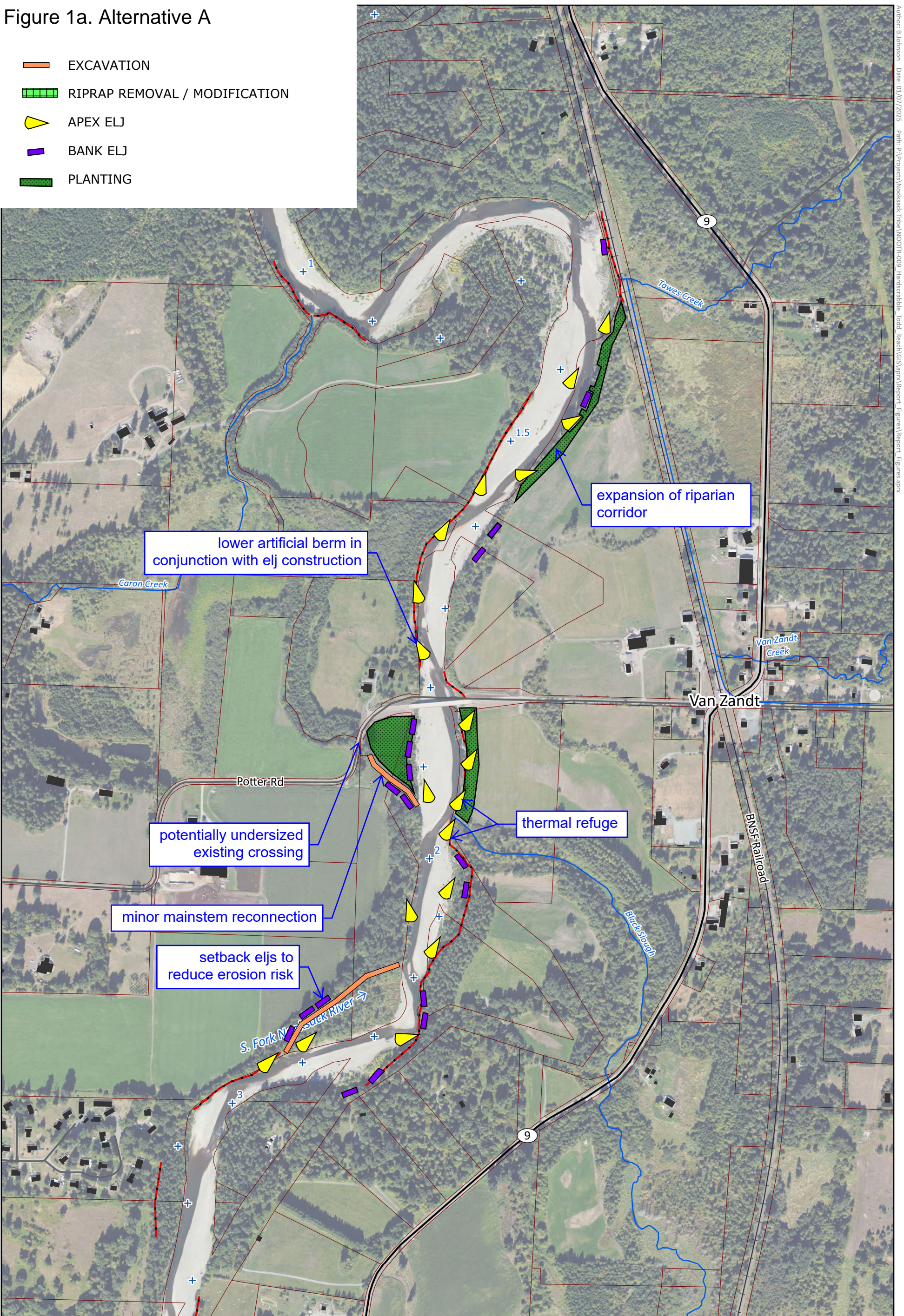


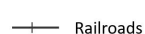

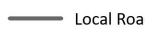

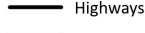
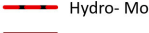

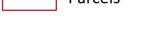
Figure 1a. Alternative A

-  EXCAVATION
-  RIPRAP REMOVAL / MODIFICATION
-  APEX ELJ
-  BANK ELJ
-  PLANTING



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SF Nooksack Upper Van Zandt Restoration Project
Restoration Design Concepts






-  Railroads
-  River Mile
-  Local Roads
-  Tributaries
-  Highways
-  Hydro- Modifications
-  Building Footprints
-  Parcels

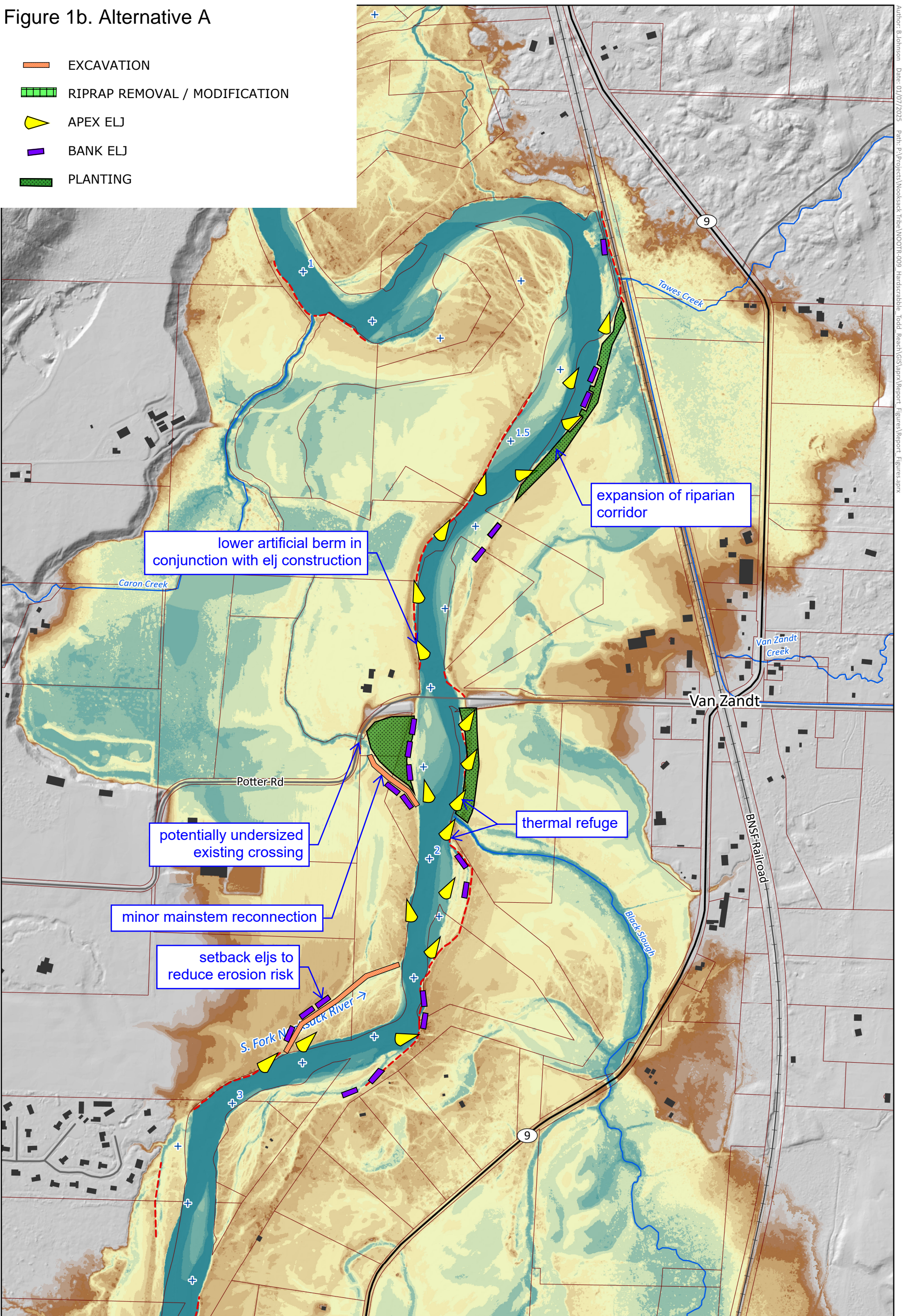


0 250 500 Feet



Figure 1b. Alternative A









-  EXCAVATION
-  RIPRAP REMOVAL / MODIFICATION
-  APEX ELJ
-  BANK ELJ
-  PLANTING

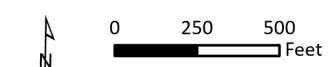



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SF Nooksack Upper Van Zandt Restoration Project
Restoration Design Concepts

Topographic data source: 2024 LIDAR DEM (WA Lidar Portal). Relative elevation is derived as the difference between bare earth elevations and a reference plane representing the low flow water surface.

-  Railroads
-  River Mile
-  Local Roads
-  Tributaries
-  Highways
-  Hydro- Modifications
-  Building Footprints
-  Parcels



 Natural Systems Design
 + Coastal Geologic Services

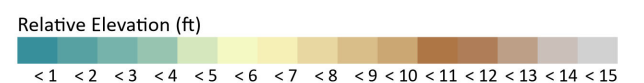
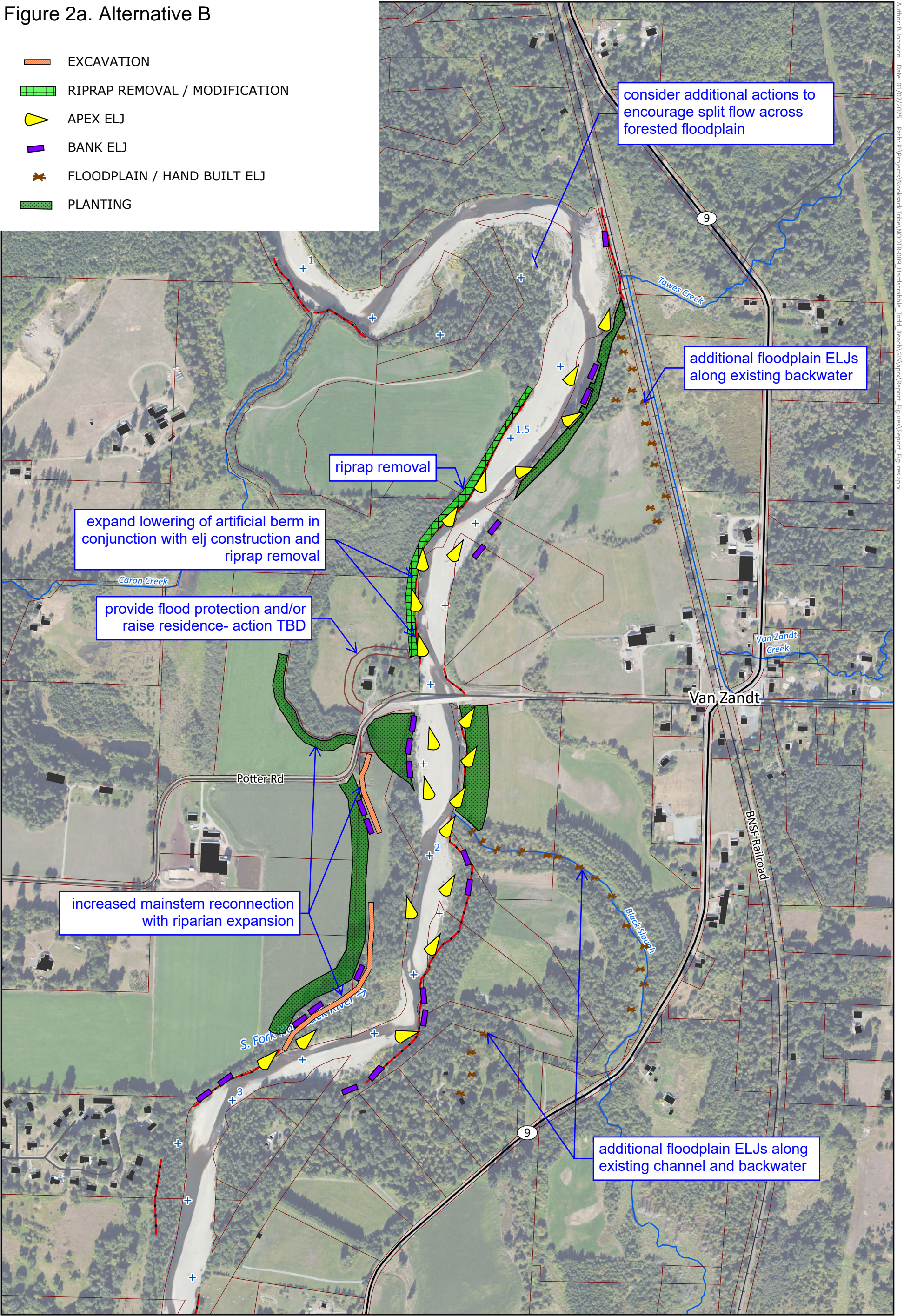


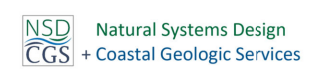
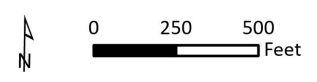
Figure 2a. Alternative B



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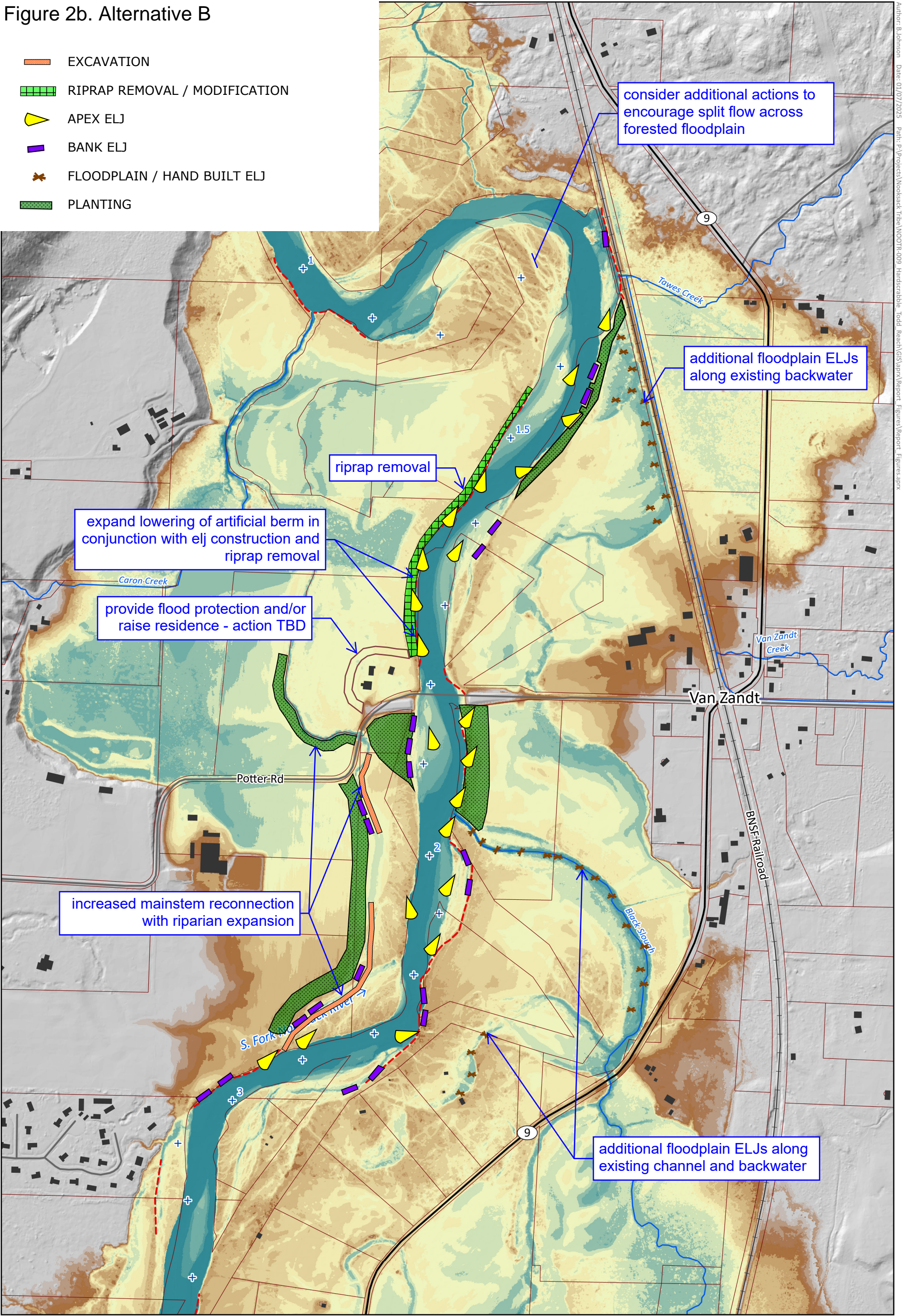
SF Nooksack Upper Van Zandt Restoration Project
Restoration Design Concepts

- Railroads
- Local Roads
- Highways
- Building Footprints
- + River Mile
- Tributaries
- Hydro- Modifications
- Parcels



Basemap: 2023 NAIP Imagery

Figure 2b. Alternative B



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SF Nooksack Upper Van Zandt Restoration Project
Restoration Design Concepts

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- Railroads
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- Highways
- Building Footprints
- + River Mile
- Tributaries
- - - Hydro- Modifications
- Parcels



NSD
CGS Natural Systems Design
+ Coastal Geologic Services

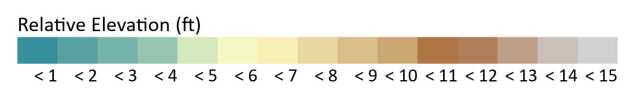
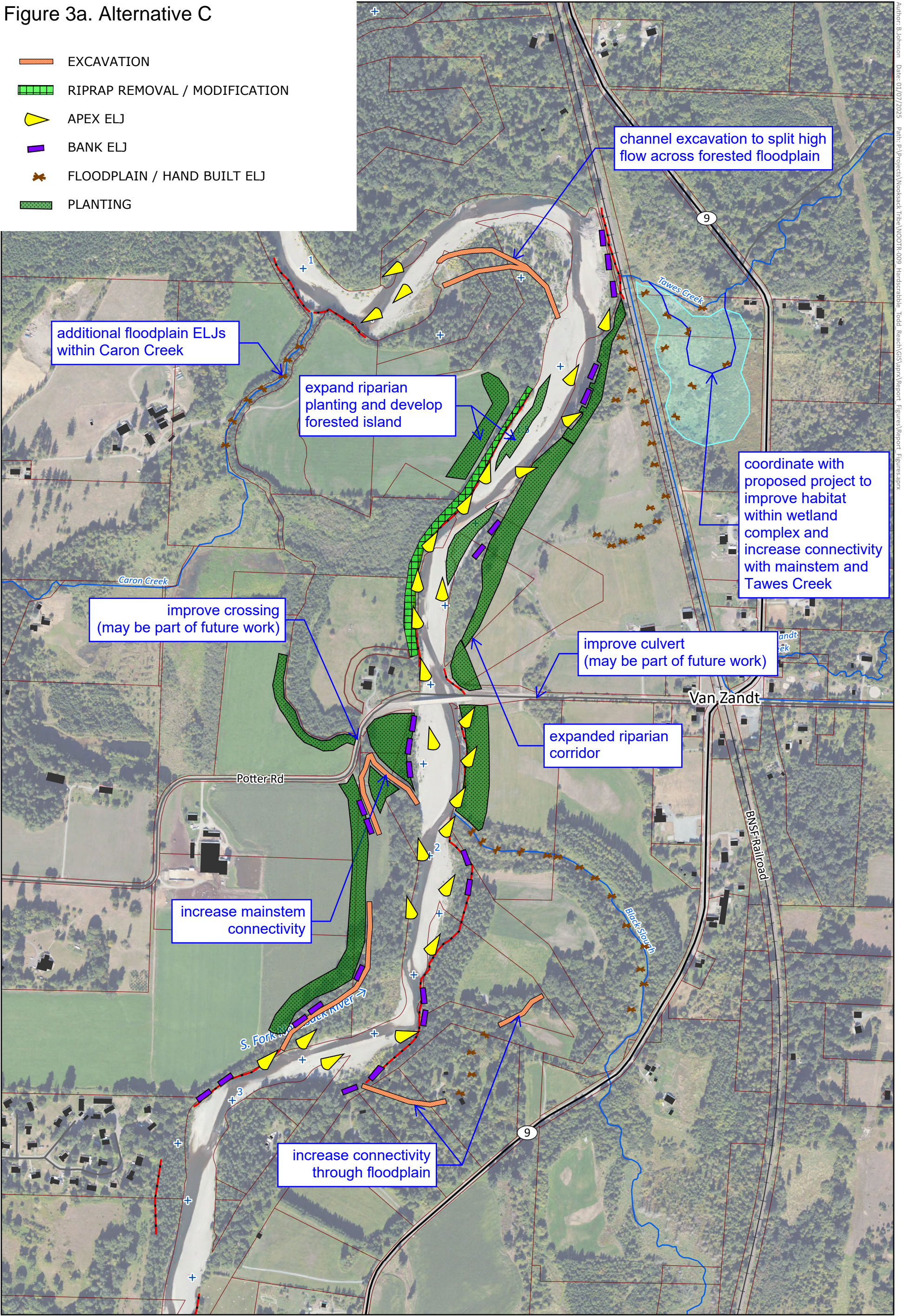


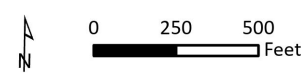
Figure 3a. Alternative C



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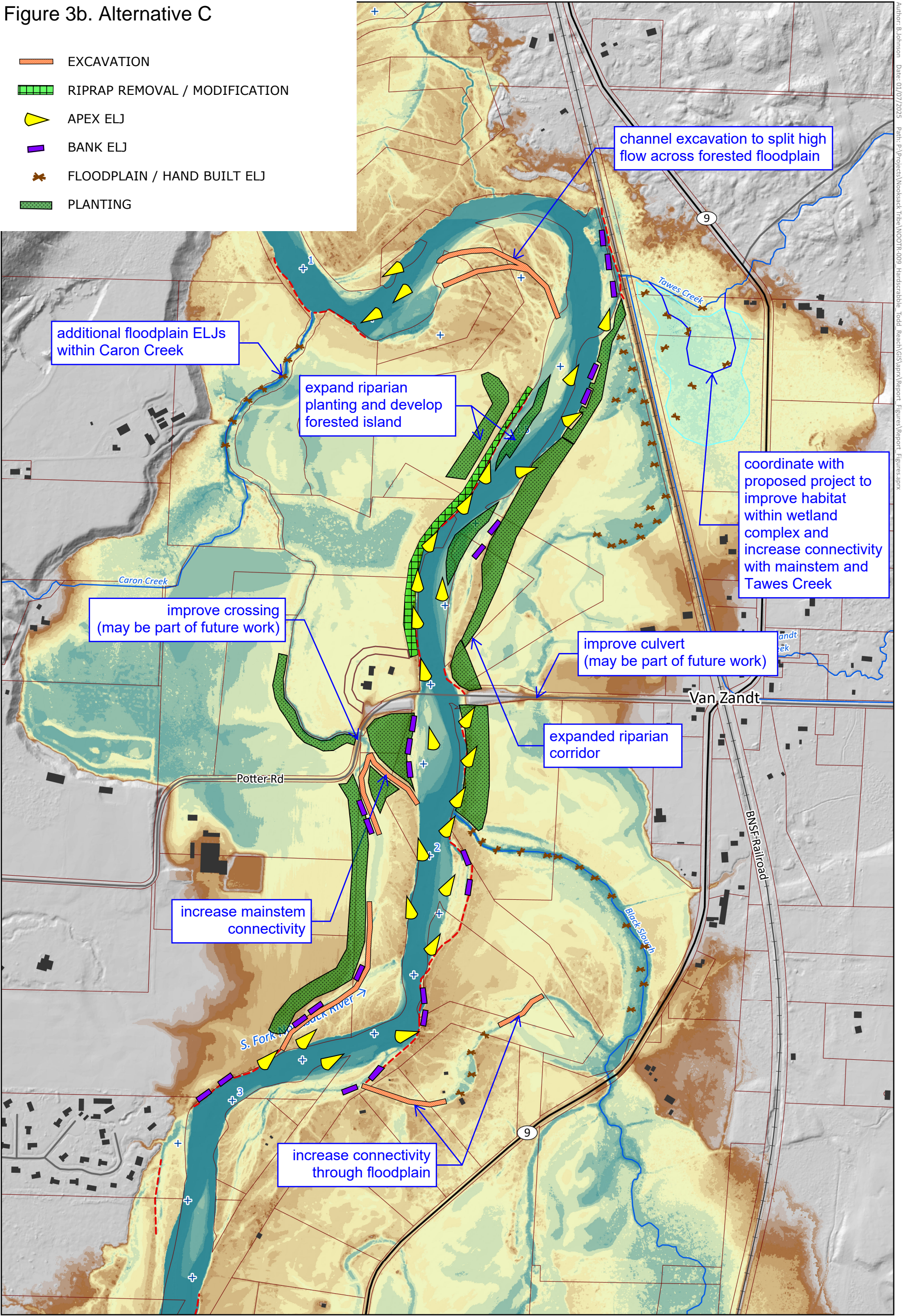
SF Nooksack Upper Van Zandt Restoration Project
Restoration Design Concepts

- Railroads
- Local Roads
- Highways
- Building Footprints
- + River Mile
- Tributaries
- Hydro- Modifications
- Parcels



Basemap: 2023 NAIP Imagery

Figure 3b. Alternative C



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