



Lahontan Regional Water Quality Control Board

April 17, 2026

WDID 6A292511005

John Groom
11509 Northwoods Blvd
Truckee, CA 96161
jgroom@tahoedonner.com

Notice of Applicability: Order for Clean Water Act Section 401 General Water Quality Certification and Waste Discharge Requirements for Restoration Projects Statewide, and Basin Plan Prohibition Exemption, Euer Valley Restoration, Phase 2 Project, Nevada County

Lahontan Regional Water Quality Control Board (Regional Water Board) staff received a Clean Water Act (CWA) section 401 Water Quality Certification (WQC) Notice of Intent (NOI) and filing fee from Tahoe Donner Association (Applicant) for the Euer Valley Restoration, Phase 2 Project (Project) in Nevada County. The NOI was received on October 31, 2025 and deemed complete on February 10, 2026. The Project is eligible for coverage under the August 16, 2022, State Water Resources Control Board (State Water Board) *General Order for Clean Water Act Section 401 Water Quality Certification and Waste Discharge Requirements Order No. WQ 2022-0048-DWQ* (General Certification Order). This Notice of Applicability (NOA) hereby assigns this Project Waste Discharge Identification (WDID) No. 6A292511005. By this NOA, the excavation and fill-related discharges associated with the Project are authorized and subject to compliance with the General Certification Order. Please use this reference number in all future correspondence regarding this Project.

PROJECT INFORMATION

This NOA is based upon information provided by the Applicant. Project details are summarized in the following tables.

General Project Information

JEFF LOUX, CHAIR | BEN LETTON, EXECUTIVE OFFICER

Category	Data
Legally Responsible Person and Property Owner	John Groom Tahoe Donner Association 11509 Northwoods Blvd Truckee, CA 96161 jgroom@tahoedonner.com 208-850-7872
Duly Authorized Representative	Beth Christman Truckee River Watershed Council P.O. Box 8568 Truckee, CA 96161 bchristman@truckeeriverwc.org 530-550-8760
Project Title	Euer Valley Restoration, Phase 2
Project Information	<p>The purpose of the Project is to restore natural hydrologic function to improve wet meadow habitat and decrease erosion along the South Prosser Creek within Euer Valley. Specific goals include reestablishing floodplain and channel-meadow connectivity, reducing sediment loads, restoring fluvial processes, and improving creek crossings. These actions will reconnect floodplain processes, promote aggradation, reduce incision, and improve aquatic and riparian habitat.</p> <p>The Project addresses degradation at four locations within Euer Valley: Cowboy Crossing, Euer Valley Crossing, Crabtree Crossing, and Quickdraw Crossing.</p> <p>Work at Cowboy Crossing will focus on reducing channel incision and restoring floodplain connectivity where concentrated flow at an informal crossing has degraded wet meadow habitat. The channel bed will be raised through placement of channel fill consisting of native soil and salvaged material, installation of large woody debris structures, and construction of log grade control features will be installed to reduce stream energy and promote sediment deposition. Construction activities will include excavation within the channel and adjacent floodplain to establish pilot channels and restore floodplain connectivity, placement of channel fill to raise incised channel beds, and installation of large woody debris and log grade control structures within the channel. These actions will reconnect the channel to the adjacent floodplain and reestablish shallow groundwater conditions.</p> <p>Work at Euer Valley Crossing will address instability associated with an existing stream crossing. Non-functional culvert infrastructure will be removed, and the channel will be realigned to a more natural planform. Log grade control structures will be</p>

Category	Data
	<p>installed to stabilize bed elevations, and the crossing will be reconstructed to convey flows without concentrating energy. Floodplain grading will be conducted to restore overbank flow, and disturbed areas will be revegetated. Activities will involve in-channel excavation, grading, and placement of rock and wood materials.</p> <p>Work at Crabtree Crossing will reduce erosion and sediment delivery associated with adjacent road and trail alignments. Sediment-contributing road and trail segments will be decommissioned or rerouted, and floodplain surfaces will be graded reestablish overbank flow paths and disperse flow across the meadow surface. Large woody debris and log stabilization features will be installed in areas of active erosion. These activities will involve removal of compacted surfaces, excavation and grading within the floodplain, and placement of wood and soil materials to restore hydrologic function.</p> <p>Work at Quickdraw Crossing will address channel incision and loss of floodplain function associated with concentrated flow at an existing crossing. The channel will be realigned and filled to reoccupy historic meanders, and log grade control and wood structures will be installed to promote aggradation and reduce slope. The crossing will be modified through grading and placement of materials to accommodate flows while minimizing disturbance to adjacent wetland and riparian areas. Floodplain pilot channels and grading will restore hydrologic connectivity, and disturbed areas will be revegetated. Construction will involve excavation, channel fill, and installation of in-stream and floodplain features.</p> <p>Overall, the Project will result in temporary and permanent impacts to wetlands, riparian areas, and stream channels associated with channel realignment, channel fill, installation of large woody debris and grade control structures, floodplain grading, culvert removal, and crossing improvements across the four Project locations. Temporary impacts include approximately 0.306 acres of wetland, 0.116 acres of riparian habitat, and 0.094 acres of stream channel associated with construction access, dewatering, and short-term disturbance. Permanent impacts include approximately 0.052 acres of wetland, 0.712 acres of riparian habitat, and 0.863 acres of stream channel associated with channel reconfiguration and installation of restoration features.</p>

Category	Data
	The Project will restore and enhance approximately 15.1 acres of wet meadow and riparian habitat and improve over 4,600 linear feet of stream channel, resulting in a net increase in aquatic resource area and function, and a reduction in sediment loading to downstream waters. Site plans for the Project are included in Enclosure 1.
Project Type	Ecological Aquatic/Stream/Habitat Restoration
Project Address or other Locating Information	¾ of a mile from the end of Alder Creek Drive in Truckee, Nevada County
Project Location Latitude/Longitude	39.376753, -120.264139
Hydrologic Unit	635.00 – Truckee River Hydrologic Unit
Total Project Size	4.75 acres
Receiving Water Name	Prosser Creek.
Water Body Types	Wetlands, perennial stream, intermittent stream, ephemeral stream
Beneficial Uses	Agricultural Supply (AGR); Preservation of Biological Habitats of Special Significance (BIOL); Cold Freshwater Habitat (COLD); Commercial and Sportfishing (COMM); Flood Peak Attenuation/Flood Water Storage (FLD); Freshwater Replenishment (FRSH); Ground Water Recharge (GWR); Migration of Aquatic Organisms (MIGR); Municipal and Domestic Supply (MUN); Rare, Threatened, or Endangered Species (RARE); Water Contact Recreation (REC-1); Noncontact Water Recreation (REC-2); Spawning, Reproduction, and Development (SPWN); Wildlife Habitat (WILD); Water Quality Enhancement (WQE)
Potential Water Quality Impacts	Short-term impacts may include increased turbidity and sedimentation from stormwater runoff and clear water diversion activities. Temporary impacts may also include soil compaction within meadow and floodplain areas resulting from equipment access, staging, excavation, channel realignment, channel fill, floodplain grading, and installation of restoration features. There is also potential for accidental release of construction-related contaminants (e.g., fuel or hydraulic fluids).
Federal Permit(s)	The Applicant applied for U.S. Army Corps of Engineers (USACE) authorization to proceed under Nationwide Permit 27 (Aquatic Habitat Restoration), pursuant to CWA section 404.
Non-Compensatory Mitigation	Impacts will be minimized by limiting equipment access and restricting work to designated areas. Where perennial flows exist, work areas will be isolated from flows and dewatered. Nuisance water will be pumped to upland areas and allowed to infiltrate. Low ground pressure equipment will be used to minimize soil disturbance and compaction within meadow and wetland areas. Construction will be conducted in accordance with applicable

Category	Data
	General Protection Measures and Best Management Practices, including limiting disturbance to designated work areas and implementing erosion control, spill prevention, and site stabilization measures consistent with the Statewide Construction Stormwater General Permit (2022-0057-DWQ). Disturbed areas, including temporary access routes and work areas, will be decompacted as necessary and stabilized through revegetation using native seed, sod, and willow plantings in accordance with applicable revegetation and erosion control measures. Monitoring and adaptive management will ensure recovery of temporary impacts and successful performance of restoration features.
Compensatory Mitigation	None required.
Application/Project Fee	\$1,123 – Fee Code 85
Fees Received	\$1,123 received on October 30, 2025
Estimated Annual Fee ¹	\$563 (annual fee assessed each fiscal year or portion of a fiscal year during which discharges occur until the Regional Water Board issues a Notice of Project Complete Letter to the Applicant).
¹ The actual Annual Fee will be calculated using the fee schedule in effect at the time the annual fee is assessed per California Code of Regulations, Title 23, section 2200(a)(3).	

Impacts of Fill and Excavation to Waters of the State

Water-body Type	Temporary Impacts			Permanent Physical Loss of Area			Permanent Degradation of Ecological conditions			
	Units	Acres	Cubic Yards	Linear Feet	Acres	Cubic Yards	Linear Feet	Acres	Cubic Yards	Linear Feet
Riparian Zone		0.116	0	575	0.712	1720	1025			
Stream Channel		0.094	0	550	0.863	2340	1475			
Wetland		0.306	0	2120	0.052	20	100			

Mitigation for Temporary Impacts

Aquatic Resource Type	Units	Establishment	Re-establishment	Rehabilitation	Enhancement	Preservation
Riparian Zone	Acres				5.10	
	Linear Feet				1724	

Stream Channel	Acres				2.0	
	Linear Feet				4637	
Wetland	Acres				8.0	

WATER QUALITY CONTROL PLAN WASTE DISCHARGE PROHIBITIONS

The Water Board has adopted a Water Quality Control Plan (Basin Plan), which, in Chapter 4.1, specifies the following waste discharge prohibitions.

1. *“The discharge, attributable to human activities, of any waste or deleterious material to surface waters of the Truckee River Hydrologic Unit or Little Truckee River Hydrologic Unit is prohibited.”*
2. *“The discharge or threatened discharge, attributable to human activities, of waste to lands within the 100-year floodplain of the Truckee River, Little Truckee River, and their tributaries is prohibited.”*

The Project will result in the discharge of earthen materials to Prosser Creek (south fork), an intermittent stream (Crabtree Creek), associated wetlands and riparian areas, and their 100-year floodplains.

Chapter 4.1 of the Basin Plan specifies the following region-wide waste discharge prohibition.

1. *“The discharge of waste that causes violation of any narrative or numeric water quality objective contained in this Plan is prohibited.”*

The Basin Plan contains the following water quality objective for turbidity in Chapter 3-6:

“Waters shall be free of changes in turbidity that cause nuisance or adversely affect the water for beneficial use. Increases in turbidity shall not exceed natural levels by more than 10 percent.”

In-water activities required to implement the Project, including installation and removal of clear water diversion structures, may result in minor, short-term discharges of earthen materials or sediment-laden water that could temporarily increase turbidity within and downstream of the Project area.

BASIN PLAN PROHIBITION EXEMPTION CRITERIA AND FINDINGS

The Water Board’s Executive Officer may grant an exemption to all prohibitions contained in the Basin Plan whenever a project meets all of the following criteria.

- a. *“The project will eliminate, reduce or mitigate existing sources of soil erosion, water pollution, and/or impairment of beneficial uses of water.”*

The Project is intended to reduce bank erosion, improve floodplain connectivity, and address impacts associated with recreational uses, including meadow soil compaction and informal crossings, as well as road- and trail-related impacts such as sediment delivery, flow concentration, and channel instability resulting from existing crossings, road alignments, and trail disturbances within the Project area.

- b. *“There is no feasible alternative to the project that would comply with the Basin Plan prohibitions.”*

In order to address water quality impairments associated with recreational use and historic grazing, timber harvest, and road development, discharge of waste to surface waters and floodplains is necessary.

- c. *“All applicable and practicable control and mitigation measures have been incorporated into the project to minimize land disturbance, soil erosion, discharges of turbid water, and other potential adverse impacts to water quality and beneficial uses to the minimum necessary to complete the project.”*

Impacts will be minimized by limiting equipment access and restricting work to designated areas. Where perennial flows exist, work areas will be isolated from flows and dewatered. Nuisance water will be pumped to upland areas and allowed to infiltrate. Low ground pressure equipment will be used to minimize soil disturbance and compaction within meadow and wetland areas. Construction will be conducted in accordance with applicable General Protection Measures and Best Management Practices, including limiting disturbance to designated work areas and implementing erosion control, spill prevention, and site stabilization measures consistent with the Statewide Construction Stormwater General Permit (2022-0057-DWQ). Disturbed areas, including temporary access routes and work areas, will be decompacted as necessary and stabilized through revegetation using native seed, sod, and willow plantings in accordance with applicable revegetation and erosion control measures. Monitoring and adaptive management will ensure recovery of temporary impacts and successful performance of restoration features.

EXEMPTION GRANTED

Resolution No. R6T-2015-0038 delegates to the Executive Officer the authority to grant exemptions to Basin Plan waste discharge prohibitions when the Basin Plan conditions are met. As demonstrated above, the Project meets the conditions in the Basin Plan for granting an exemption. A draft notice of exemption was distributed through an interested-persons mailing list, allowing at least 10 days for comments to be submitted. The comment period ended on April 14, 2026 and no comments were received. The Project is hereby granted an exemption to the above-cited waste discharge prohibitions.

CEQA COMPLIANCE

The Water Board finds this Project to be categorically exempt from California Environmental Quality Act (CEQA), pursuant to CCR, title 14, section 15333, Small Habitat Restoration Projects, consisting of a project not to exceed five acres in size to assure the restoration, enhancement, or protection of habitat for fish, plants, or wildlife. A Notice of Exemption (Enclosure 2) was filed with the State Clearinghouse concurrently with issuing this General Certification Order.

ALLOWED TURBIDITY INCREASES

This NOA permits short-term increases in turbidity up to 20 nephelometric units (NTU) above background for installation and decommissioning of features associated with clear water diversions, such as coffer dams. Increases up to 10 NTU over background during routine construction activities is allowed throughout the duration of Project implementation. If turbidity monitoring shows increases in turbidity above allowed levels, the discharger must cease operations and implement corrective actions to reduce Project-related turbidity releases to the levels allowed by this NOA. The Applicant will develop a turbidity monitoring plan as part of their phase-specific Diversion and Dewatering Plan required by this NOA.

GENERAL INFORMATION

1. The General Certification Order can be found on the State Water Resources Control Board website at:
https://www.waterboards.ca.gov/board_decisions/adopted_orders/water_quality/2022/wqo2022-0048-dwq.pdf
2. The Project must be constructed and operated in accordance with the Project description in the information provided to the Water Board. Deviation from the Project's description constitutes a violation of the conditions upon which this NOA was granted.
3. Neither Project construction activities nor operation of the Project may cause a violation of the Lahontan Basin Plan, may cause a condition or threatened condition of pollution or nuisance, or cause any other violation of the Water Code.
4. Any discharge to surface waters within the Project area must be in accordance with the requirements contained in the General Certification Order. Failure to abide by the conditions of the General Certification Order and this NOA may result in enforcement actions authorized by the provisions of the Water Code.
5. An "Annual Fee" will be assessed each year this NOA remains in "Active" status. The actual Annual Fee will be calculated using the fee schedule in effect at the time the annual fee is assessed per CCR, title 23, section 2200(a)(3). The annual fee will apply each fiscal year or portion of fiscal year until the Applicant submits a Project Completion Report and the Water Board issues a Notice of Termination Letter to the Applicant.

6. **Construction General Permit Requirement:** This General Certification Order does not provide coverage under the Construction General Permit. As applicable, project proponents shall maintain compliance with conditions described in, and required by, NPDES General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities (Order No. 2022-0057-DWQ; NPDES No. CAS00002, as amended or any subsequently issued permit). For ground disturbing activities that do not require enrollment in Order No. 2009-0009-DWQ, the NOI will include appropriate erosion and sediment control measures to be considered by the approving Water Board.

MONITORING AND REPORTING REQUIREMENTS

The following monitoring and reporting requirements are set forth in the General Certification Order and are required for the Project. Instructions for submitting reports and notifications are in Attachment D of the General Certification Order.

1. **Commencement of Construction:** Pursuant to Section XIII.B.1.a. of the General Certification Order, the Project proponent shall submit a Commencement of Construction Notice at least seven (7) days before the start of initial ground-disturbing activities.
2. **Construction Schedule:**
 - a. Pursuant to Section XIII.B.1.b. of the General Certification Order, a construction schedule shall be provided to the approving Water Board upon request.
 - b. Consistent with General Protection Measure 2 (Construction Work Windows), the removal of vegetation or disturbance of ground surface conditions between October 16 of any year and April 30 of the following year is prohibited. Where it can be shown that granting a variance would not cause or contribute to the degradation of water quality, an exception to the dates stated above may be granted in writing by the Executive Officer. The Applicant must complete a Variance Application form (contact the Lahontan Water Board for the current form) to ensure that all necessary information is provided to Lahontan Water Board staff.
3. **Request for Notice of Project Complete Letter:** Pursuant to Section XIII.B.1.c., the project proponent shall submit a Request for Notice of Project Complete Letter within thirty (30) days following completion of all project activities including post-construction monitoring of restoration sites. The Request for Notice of Project Complete Letter shall meet the terms and include the contents listed in Attachment D, Reporting and Notification Requirements. Failure to notify the Water Board or approving Regional Board of project completion may result in continued billing of annual fees until a Notice of Project Complete Letter is issued. Upon approval of the request, the Water Board shall issue a Notice of Project Complete Letter to the project proponent.

4. Annual Reporting: Pursuant to Section XIII.B.2.a of the General Certification Order, the project proponent shall submit an Annual Report by December 31st of each year until the Project is closed out. Annual reporting shall continue until a Notice of Project Complete Letter is issued to the project proponent.
5. Pursuant to Section XIII.C.3 of the General Certification Order, a Diversion and Dewatering Plan and a Water Quality Monitoring Plan shall be submitted to the Lahontan Water Board for acceptance at least thirty (30) days in advance of commencement of each phase of the Project in which work in flowing waters is anticipated. Standards for in-water work or diversions are discussed in General In-Water Measures, specifically IWW-6, presented in Attachment A of the General Certification Order. The Applicant shall comply with the Lahontan Water Board-specific water quality control plan water quality objectives (see Allowed Turbidity Increases section above) and reporting requirements.
6. In-Water Work and Diversions Water Quality Monitoring Report:
 - a. Pursuant to Section XIII.B.3.c.a. of the General Certification Order, the Project proponent shall notify the Water Board at least forty-eight (48) hours prior to initiating work in flowing or standing water or stream diversions. Notification may be via e-mail, delivered written notice, or other verifiable means.
 - b. Pursuant to Section XIII.B.3.c.b. of the General Certification Order, within three working days following completion of work in water or stream diversions, or within 48 hours of an exceedance if an exceedance of Lahontan Water Board-specific water quality objectives (see Allowed Turbidity Increases section above) occurs, an In-Water Work and Diversions Water Quality Monitoring Report must be submitted to the Lahontan Water Board.
 - c. A detailed clear water diversion and dewatering plan must be submitted to the Water Board at least 60 days prior to beginning work in jurisdictional surface waters. The plan must describe the methods to be used to isolate work areas from surface waters, dewater excavation areas, and dispose of dewatering waste. The plan must include diagrams for water diversions and maps of the waste disposal areas. Additionally, a plan for monitoring potential impacts (e.g., measuring turbidity up- and down-stream, sampling protocols, frequency at specified stages of construction, and locations) to water quality during active work periods must be included. Implementation of the Water Quality Monitoring Plan is required following written acceptance by Water Board staff. Diversion activities must not result in the degradation of beneficial uses or exceedance of water quality objectives for the receiving waters as defined and described in the Basin Plan
(http://www.waterboards.ca.gov/Lahontan/water_issues/programs/basin_plan/index.shtml).

7. Project Modifications: Pursuant to Section XIII.B.3.d. of the General Certification Order, prior to implementing any change to the project that may be a material change as defined in California Water Code section 13260(c) as a proposed change in character, location, or volume of the discharge, the project proponent shall obtain prior written approval of the approving Water Board Executive Director or Officer. If the approving Water Board is not notified of the material change to the discharge, it will be considered a violation of this certification, and the project proponent may be subject to Water Board enforcement action(s).

Minor or non-material changes may be addressed with an 'Order Deviation' as provided in Attachment F. The approving Water Board will review the notification and determine whether the deviation can be approved under this Order or is subject to additional permitting requirements.

8. Transfer of Property Ownership Notification: Pursuant to Section XIII.B.3.e. of the General Certification Order, authorization by an NOA under this Order is not transferable in its entirety or in part to any person or organization except after notice to the Water Board in accordance with the following terms:
 - a. The project proponent must notify the Water Board of any change in ownership or interest in ownership of the project area by submitting a Transfer of Property Ownership Notification. The project proponent and purchaser must sign and date the notification and provide such notification to the Water Board at least ten (10) days prior to the transfer of ownership. The purchaser must also submit a written request to the Water Board to be named as the project proponent in a revised NOA.
 - b. Until such time as the NOA has been modified to name the purchaser as the project proponent, the current project proponent shall continue to be responsible for all requirements set forth in this Order.
9. Transfer of Long-Term GPM Maintenance Notification: Pursuant to Section XIII.B.3.f. of the General Certification Order, if maintenance responsibility for post-construction GPMs is legally transferred, the project proponent must submit to the Water Board a copy of such documentation and must provide the transferee with a copy of a long-term GPM maintenance plan that complies with manufacturer or designer specifications. The project proponent must provide such notification to the Water Board at least ten (10) days prior to the transfer of GPM maintenance responsibility.

Until such time as the NOA has been modified to name a new legally responsible party for maintenance of post-construction GPMs, the current project proponent shall continue to be responsible for all maintenance of post-construction GPMs set forth in this Order.

10. Restoration and Monitoring of Impacts

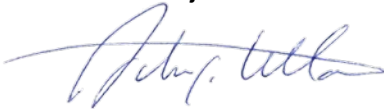
- a. Pursuant to Section XIII.B.1.1. of the General Certification Order, the Project proponent shall restore all areas of temporary impacts as

described in the NOA and applicable GPMs, specifically GPM-15, provided in Attachment A. The project proponent shall provide annual monitoring reports in accordance with Reporting and Notification Attachment D.”

- b. Pursuant to Section XIII.B.1.2. of the General Certification Order, the Project proponent shall demonstrate that all permanent impacts to waters of the state are offset by the restoration project.
- c. Pursuant to Section XIII.B.1.3. of the General Certification Order, if restoration of temporary and permanent impacts to waters of the state is not completed within three hundred sixty-five (365) days of the start of post-construction monitoring (or a schedule approved by the Water Board during review of the NOI and supplemental materials), the approving Water Board may require the following: compensatory mitigation to offset temporal loss of waters of the state; remedial actions (e.g., re-seeding); and/or extension of the monitoring period if performance standards have not been met or are not likely to be met.

We look forward to working with you in your efforts to protect water quality. If you have any questions regarding this matter, please contact Jairo Luque-Villanueva, Water Resource Control Engineer, at (530) 542-5456 (Jairo.luque@waterboards.ca.gov) or Bryan Talmadge, Senior Water Resource Control Engineer, at (530) 542-5422 (bryan.talmadge@waterboards.ca.gov).

Electronic document submittal is required. Please send all future correspondence regarding this Project to the Water Board’s email address at Lahontan@waterboards.ca.gov and include your WDID No. and Project/Facility Name in the subject line.



BEN LETTON
EXECUTIVE OFFICER

Enclosures: Site Plans
NOE

cc: Beth Christman, Truckee River Watershed Council
(bchristman@truckeeriverwc.org)
Joe Morgan, United States Environmental Protection Agency
(morgan.joseph@epa.gov)
Hudson Slay, United States Environmental Protection Agency
(r9cwa401@epa.gov)
SWRCB, Division of Water Quality
(Stateboard401.Stateboard401@waterboards.ca.gov)

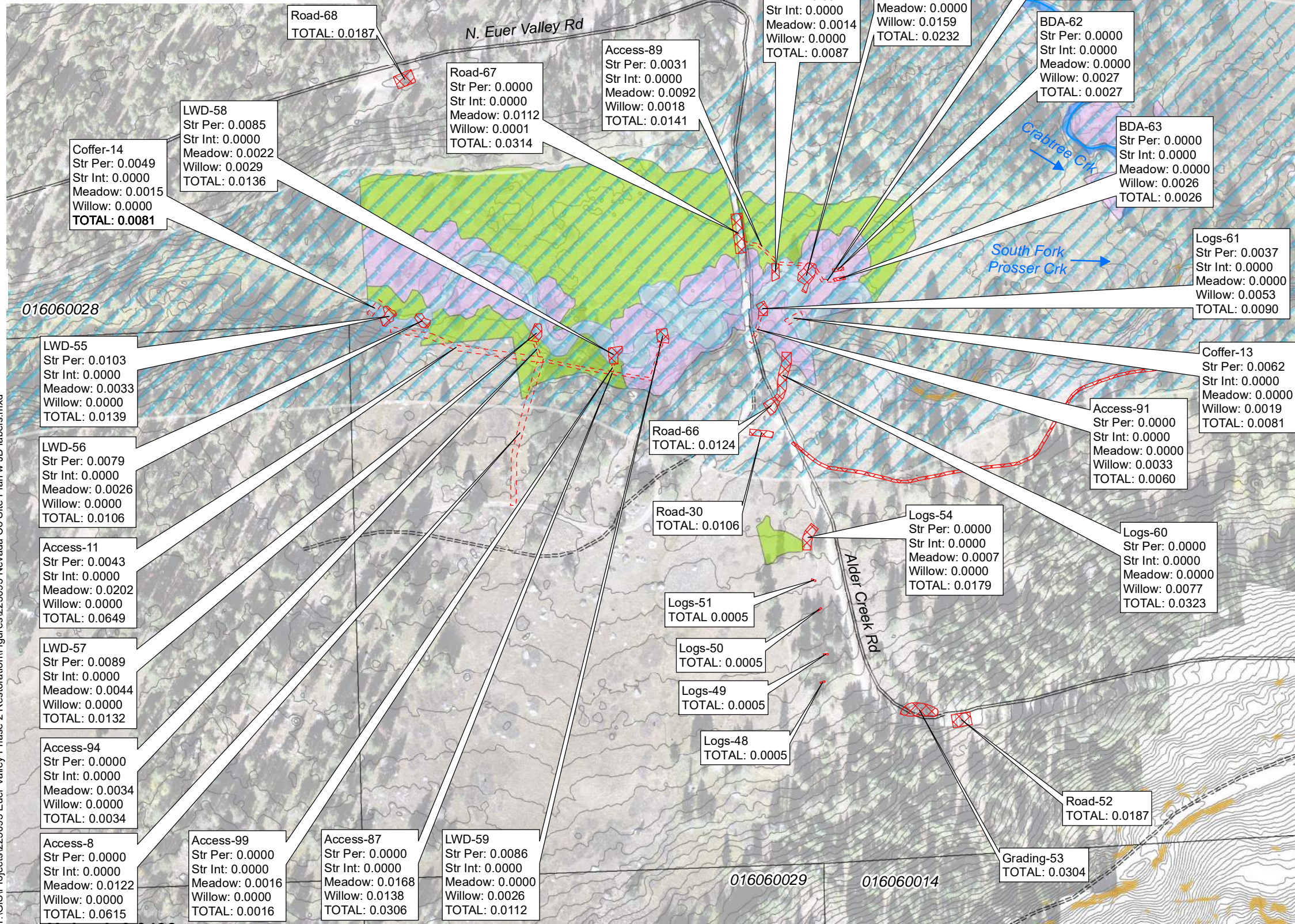
United States Army Corps of Engineers, Sacramento District Regulatory Program
(spkregulatorymailbox@usace.army.mil)
Lilian Jepson, United States Army Corps of Engineers
(Lillian.m.jepson@usace.army.mil)
Caitlyn Oswalt, California Department of Fish and Wildlife
(caitlyn.oswalt@wildlife.ca.gov)
Bryan Talmadge, Lahontan Regional Water Quality Control Board
(bryan.talmadge@waterboards.ca.gov)
Mary Fiore-Wagner, Lahontan Regional Water Quality Control Board
(mary.fiore-wagner@waterboards.ca.gov)
Jairo Luque-Villanueva, Lahontan Regional Water Quality Control Board
(jairo.luque@waterboards.ca.gov)
Liz VanDiepen, Lahontan Regional Water Quality Control Board
(Elizabeth.vanDiepen@waterboards.ca.gov)

Euer Valley, Phase 2
Tahoe Donner Association, Applicant
Site Plan – Revision January 29, 2026

Upland areas and impacts:

All impacts shown that do not have an underlying color are upland impacts. Shading the upland areas on the map would make the map more illegible than it already is. As the concern for this 401 Water Quality Certification is wetlands/waters of the State, our assumption was that a summary of upland impacts would suffice. It is our understanding that upland impacts are covered by the Construction General Permit, not the 401 Certification.

Habitat Type	Permanent Impacts (ac)	Temporary Impacts (ac)	Total (ac)
Willow (riparian)	0.04	0.02	0.07
Wet Meadow	0.03	0.09	0.12
Perennial stream	0.07	0.01	0.08
Total Jurisdictional	0.14	0.12	0.27
Upland	0.55	0.14	0.69
TOTAL	0.70	0.27	0.96

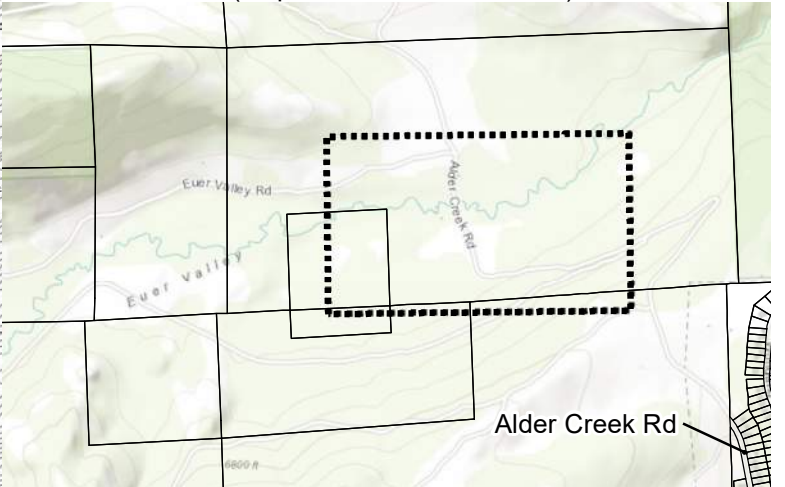


Legend

- Project Footprint:**
- Permanent (grading limits, project elements)
 - Temporary (access routes, staging areas)
 - FEMA Zone A SFHA
- Wetlands and Riparian Areas**
- Intermittent Stream
 - Perennial Stream
 - Wet Meadow
 - Willow (Shrub)
 - Parcels (APN in italics)
- Roads:**
- Paved Roads
 - Unpaved Roads:
 - Improved Road
 - Doubletrack
 - Closed Route
- Slopes:**
- <30% (no color)
 - >30%
 - 2-foot Contours
- Feature type and ID**
- Perennial Stream Impacts (ac)
 - Intermittent Stream Impacts (ac)
 - Wet Meadow Impacts (ac)
 - Willow (shrub) Impacts (ac)
 - Total impacts (ac, includes non-jurisdictional areas)

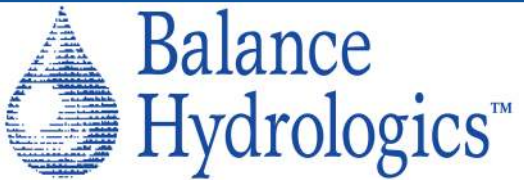
Project Proposal: environmental restoration (Use Permit)
 Property Owner: Tahoe Donner Association
 Applicant's Representative: Truckee River Watershed Council
 Date of Site Plan Preparation: June 30, 2025

Vicinity Map:
 Scale = 1:24,000 (map extents shown dashed)



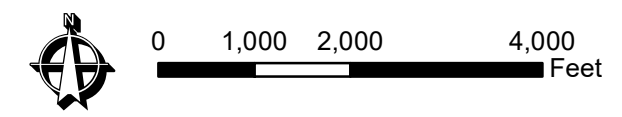
Y:\GIS\Projects\223095 Euer Valley Phase 2 Restoration\Figures\223095 Nevada Co Site Plan w JD labels.mxd

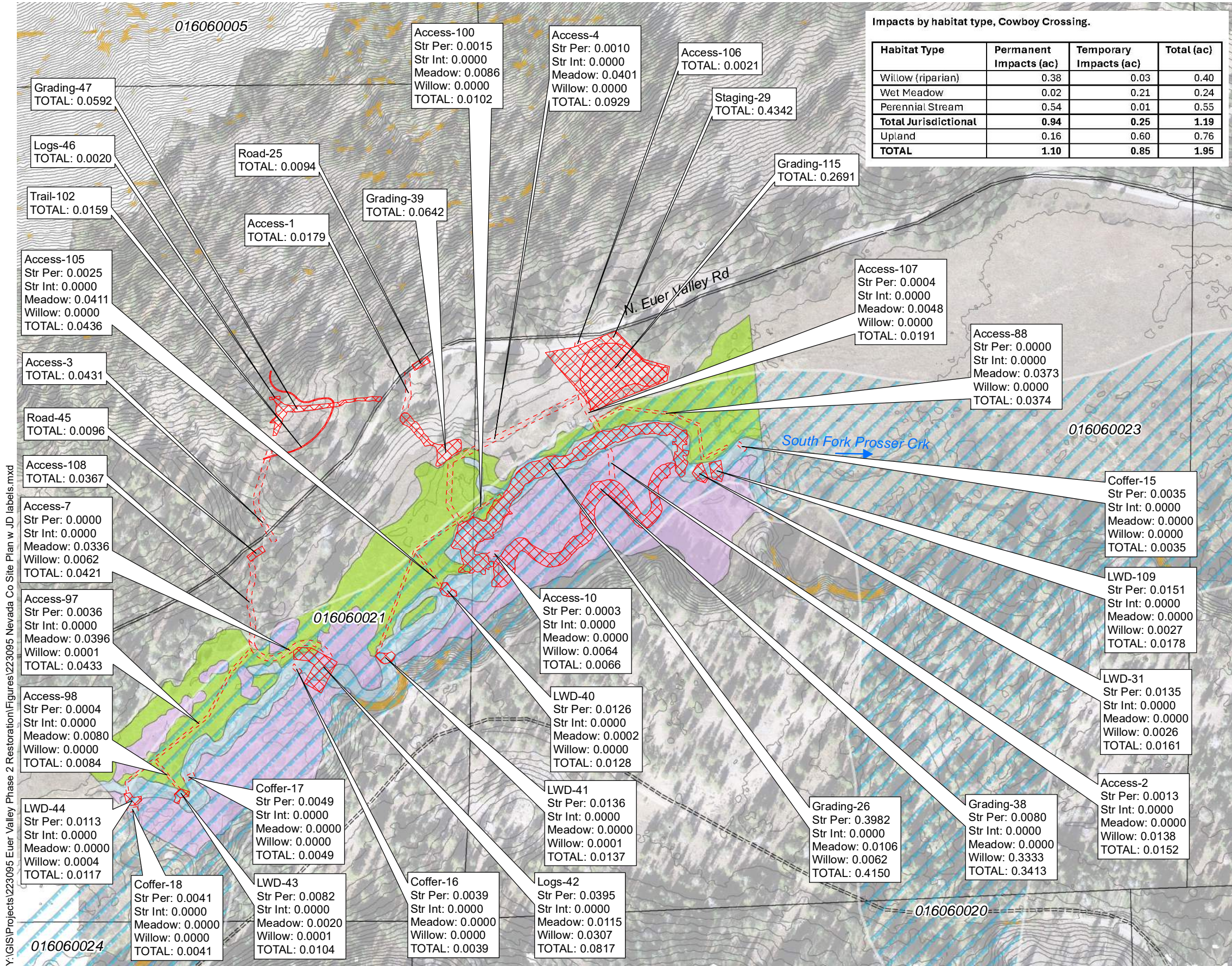
Upland: 0.0493



Site Plan - Euer Valley Phase 2 Restoration Project
Area 1: Euer Crossing - Project Area 17.77 Acres
Nevada County, California

Date Sources: Nevada County, FEMA, USGS, Balance Hydrologics, HT Harvey & Assoc.





Impacts by habitat type, Cowboy Crossing.

Habitat Type	Permanent Impacts (ac)	Temporary Impacts (ac)	Total (ac)
Willow (riparian)	0.38	0.03	0.40
Wet Meadow	0.02	0.21	0.24
Perennial Stream	0.54	0.01	0.55
Total Jurisdictional	0.94	0.25	1.19
Upland	0.16	0.60	0.76
TOTAL	1.10	0.85	1.95

Legend

Project Footprint:

- Permanent (grading limits, project elements)
- Temporary (access routes, staging areas)
- FEMA Zone A SFHA

Wetlands and Riparian Areas

- Intermittent Stream
- Perennial Stream
- Wet Meadow
- Willow (Shrub)
- Parcels (APN in italics)
- Paved Roads
- Unpaved Roads:
 - Improved Road
 - Doubletrack
 - Closed Route

Slopes:

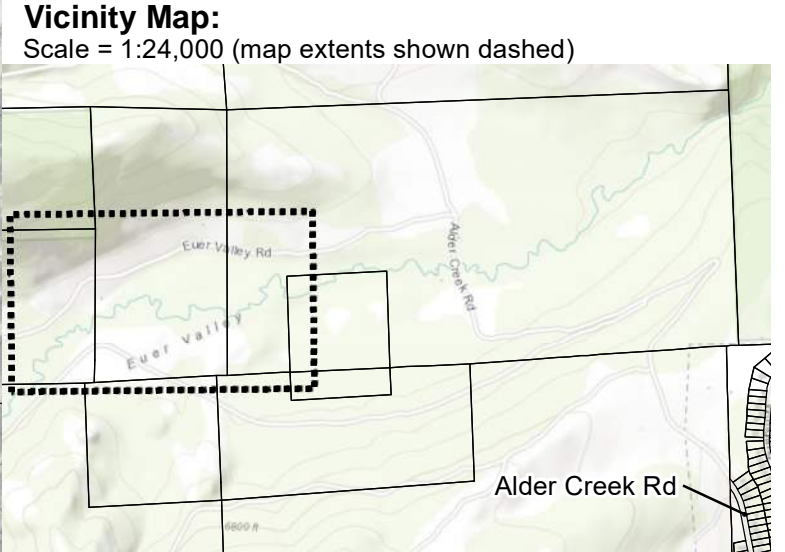
- <30% (no color)
- >30%
- 2-foot Contours

Feature type and ID

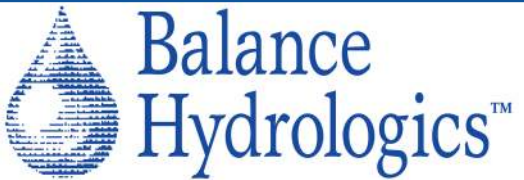
- Perennial Stream Impacts (ac)
- Intermittent Stream Impacts (ac)
- Wet Meadow Impacts (ac)
- Willow (shrub) Impacts (ac)
- Total impacts (ac, includes non-jurisdictional areas)

LWD-109
 Str Per: 0.0151
 Str Int: 0.0000
 Meadow: 0.0000
 Willow: 0.0027
 TOTAL: 0.0178

Project Proposal: environmental restoration (Use Permit)
 Property Owner: Tahoe Donner Association
 Applicant's Representative: Truckee River Watershed Council
 Date of Site Plan Preparation: June 30, 2025

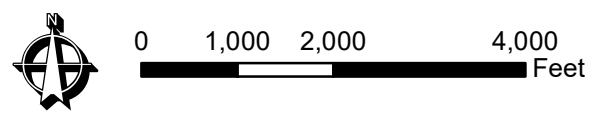


Y:\GIS\Projects\223095 Euer Valley Phase 2 Restoration\Figures\223095 Nevada Co Site Plan w. JD labels.mxd

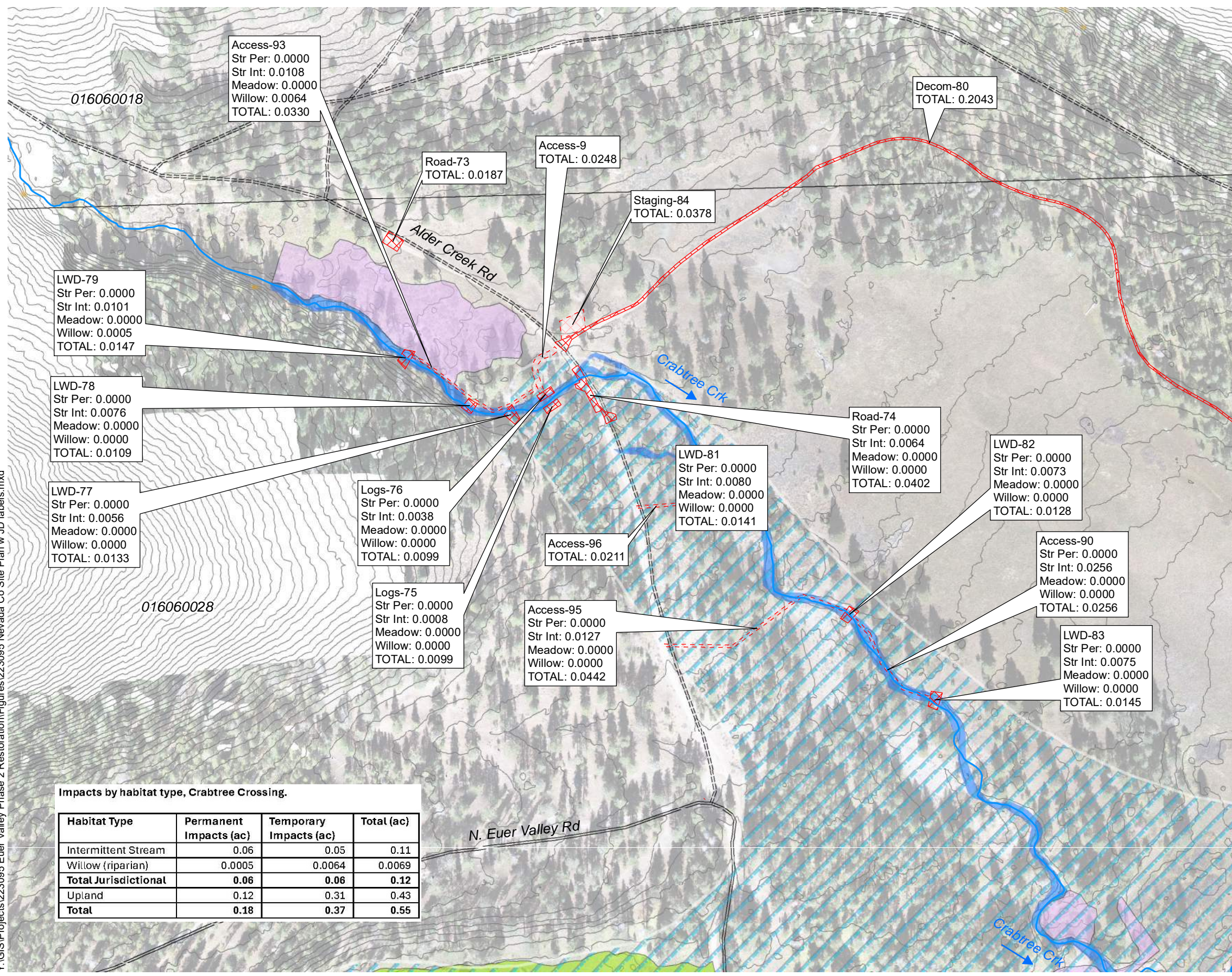


Site Plan - Euer Valley Phase 2 Restoration Project
Area 2: Cowboy Crossing - Project Area 20.76 Acres
Nevada County, California

Date Sources: Nevada County, FEMA, USGS, Balance Hydrologics, HT Harvey & Assoc.



Y:\GIS\Projects\223095 Euer Valley Phase 2 Restoration\Figures\223095 Nevada Co Site Plan w JD labels.mxd



Legend

Project Footprint:

- Permanent (grading limits, project elements)
- Temporary (access routes, staging areas)
- FEMA Zone A SFHA

Wetlands and Riparian Areas

- Intermittent Stream
- Perennial Stream Wet
- Meadow
- Willow - State Jurisdictional
- Parcels (APN in italics)

Roads:

- Paved Roads
- Unpaved Roads:
 - Improved Road
 - Doubletrack
 - Closed Route

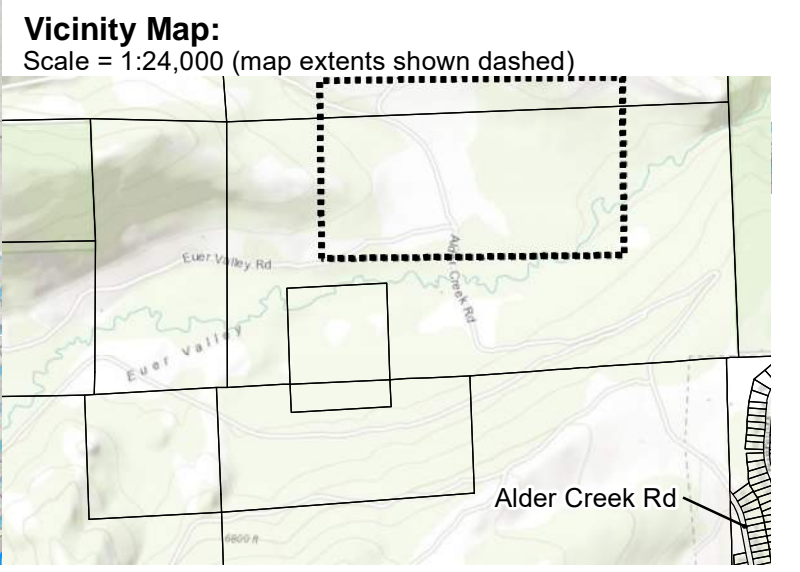
Slopes:

- <30% (no color)
- >30%
- 2-foot Contours

Feature type and ID

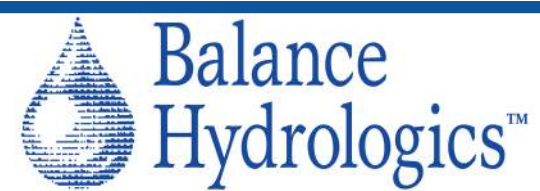
- Perennial Stream Impacts (ac)
- Intermittent Stream Impacts (ac)
- Wet Meadow Impacts (ac)
- Willow (shrub) Impacts (ac)
- Total impacts (ac, includes non-jurisdictional areas)

Project Proposal: environmental restoration (Use Permit)
Property Owner: Tahoe Donner Association
Applicant's Representative: Truckee River Watershed Council
Date of Site Plan Preparation: June 30, 2025



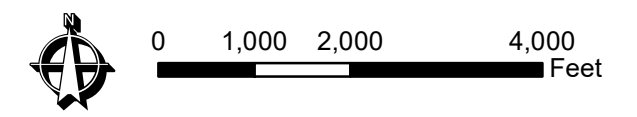
Impacts by habitat type, Crabtree Crossing.

Habitat Type	Permanent Impacts (ac)	Temporary Impacts (ac)	Total (ac)
Intermittent Stream	0.06	0.05	0.11
Willow (riparian)	0.0005	0.0064	0.0069
Total Jurisdictional	0.06	0.06	0.12
Upland	0.12	0.31	0.43
Total	0.18	0.37	0.55

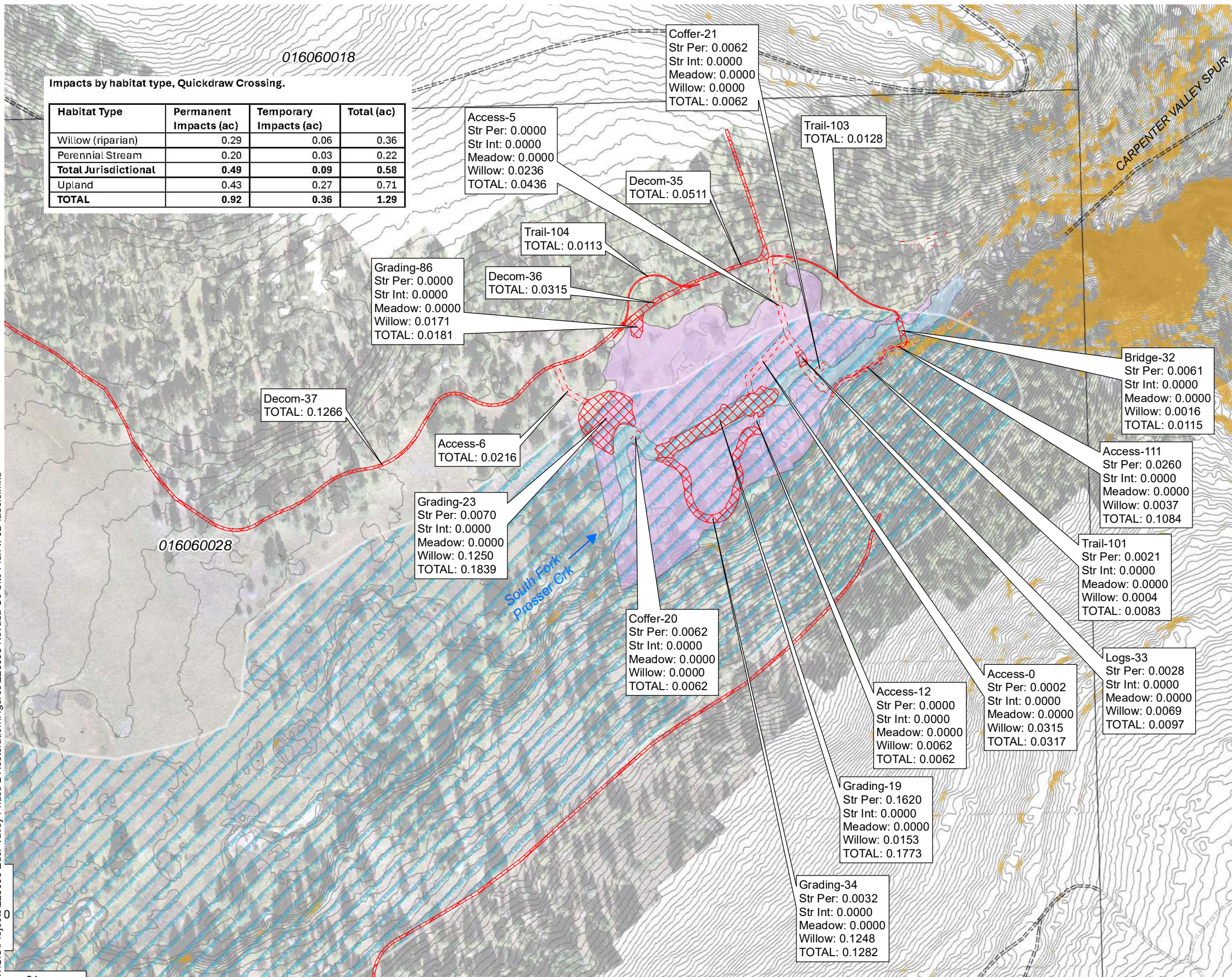


Site Plan - Euer Valley Phase 2 Restoration Project
Area 3: Crabtree Crossing - Project Area 12.01 Acres
Nevada County, California

Date Sources: Nevada County, FEMA, USGS, Balance Hydrologics, HT Harvey & Assoc.



Y:\GIS\Projects\223095 Euer Valley Phase 2 Restoration\Figures\223095 Nevada Co Site Plan w JD labels.mxd

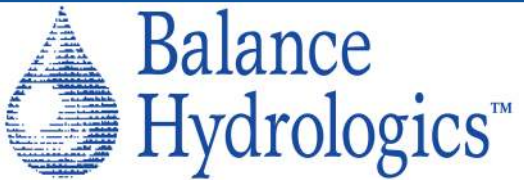
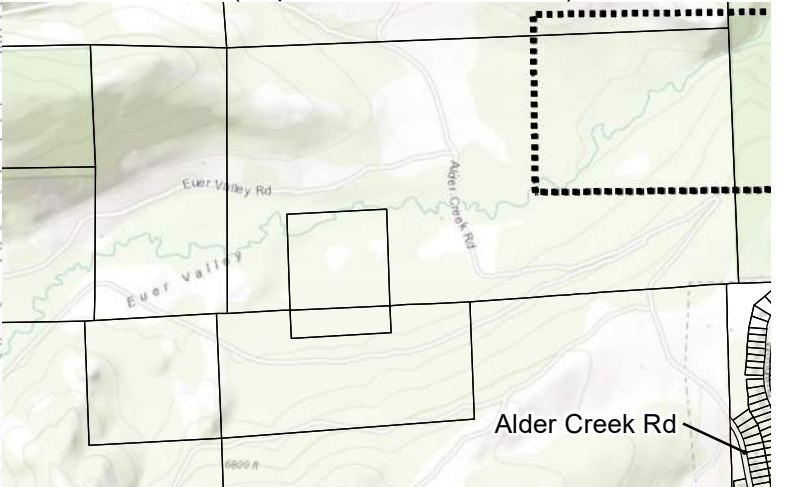


Legend

- Project Footprint:**
- Permanent (grading limits, project elements)
 - Temporary (access routes, staging areas)
 - FEMA Zone A SFHA
- Wetlands and Riparian Areas**
- Intermittent Stream
 - Perennial Stream
 - Wet Meadow
 - Willow (Shrub)
- Roads:**
- Paved Roads
 - Unpaved Roads:
 - Improved Road
 - Doubletrack
 - Closed Route
- Slopes:**
- <30% (no color)
 - >30%
- Other Features:**
- 2-foot Contours
 - Parcels (APN in italics)
- Feature type and ID**
- Perennial Stream Impacts (ac)
 - Intermittent Stream Impacts (ac)
 - Wet Meadow Impacts (ac)
 - Willow (shrub) Impacts (ac)
 - Total impacts (ac, includes non-jurisdictional areas)

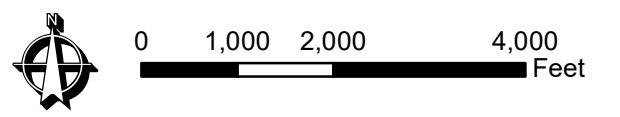
Project Proposal: environmental restoration (Use Permit)
 Property Owner: Tahoe Donner Association
 Applicant's Representative: Truckee River Watershed Council
 Date of Site Plan Preparation: June 30, 2025

Vicinity Map:
 Scale = 1:24,000 (map extents shown dashed)



Site Plan - Euer Valley Phase 2 Restoration Project
Area 4: Quickdraw Crossing - Project Area 6.34 Acres
 Nevada County, California

Date Sources: Nevada County, FEMA, USGS, Balance Hydrologics, HT Harvey & Assoc.



Notice of Exemption

Appendix E

To: Office of Planning and Research
P.O. Box 3044, Room 113
Sacramento, CA 95812-3044

County Clerk

County of: _____

From: (Public Agency): _____

(Address)

Project Title: _____

Project Applicant: _____

Project Location - Specific:

Project Location - City: _____ Project Location - County: _____

Description of Nature, Purpose and Beneficiaries of Project:

Name of Public Agency Approving Project: _____

Name of Person or Agency Carrying Out Project: _____

Exempt Status: **(check one):**

- Ministerial (Sec. 21080(b)(1); 15268);
- Declared Emergency (Sec. 21080(b)(3); 15269(a));
- Emergency Project (Sec. 21080(b)(4); 15269(b)(c));
- Categorical Exemption. State type and section number: _____
- Statutory Exemptions. State code number: _____

Reasons why project is exempt:

Lead Agency

Contact Person: _____ Area Code/Telephone/Extension: _____

If filed by applicant:

1. Attach certified document of exemption finding.
2. Has a Notice of Exemption been filed by the public agency approving the project? Yes No

Signature: _____ Date: _____ Title: _____

Signed by Lead Agency Signed by Applicant

Authority cited: Sections 21083 and 21110, Public Resources Code.
Reference: Sections 21108, 21152, and 21152.1, Public Resources Code.

Date Received for filing at OPR: _____

Notice of Exemption

To:

Office of Land Use and Climate
Innovation
[CEQA Submit](#)

From:

Department of Fish and Wildlife
1701 Nimbus Road
Rancho Cordova, CA 95670



Project Title: Euer Valley Restoration, Phase 2 (Streambed Alteration Agreement EPIMS Notification No. NEV-63360-R2)

Project Location: The project is located at South Fork Prosser Creek in Euer Valley, a tributary to the Truckee River, in the County of Nevada, State of California; Latitude 39.37675, Longitude -120.26413 (WGS 84 datum, decimal degrees); Assessor's Parcel Number 016-060-028-000.

Project Description: The California Department of Fish and Wildlife (CDFW) has executed Streambed Alteration Agreement EPIMS Notification Number NEV-63360-R2, pursuant to Section 1602 of the Fish and Game Code to the project Applicant, Truckee River Watershed Council, as represented by Beth Christman.

The project is limited to restoration of 0.863 acres at four locations within Euer Valley on South Fork Prosser Creek: Cowboy Crossing, Euer Valley Crossing, Crabtree Canyon Tributary, and Quickdraw Crossing. The project includes placement of debris jams, log grade controls, log cribwalls, and bank logs.

Public Agency Approving Project: California Department of Fish and Wildlife

Person / Public Agency Carrying out Project:

Truckee River Watershed Council
Beth Christman
P.O. Box 8568
Truckee, CA 96162
(530) 550-8760
bchristman@truckeeriverwc.org

Exempt Status: Categorical Exemption. Type Small Habitat Restoration Projects Class (33); California Code of Regulations, title 14, sections (15333)

Reasons why project is exempt: Class 33, section 15333; The project is exemption under section 15333 because it involves a small restoration project that does not exceed five (5) acres in size, and will result in no significant adverse impact on endangered, rare, or threatened species or their habitat.

Notice of Exemption

CDFW Contact Person: Alyssa Obester, Senior Environmental Scientist (Specialist),
alyssa.obester@wildlife.ca.gov

DocuSigned by:

Jennifer Garcia

746D5F13C3B348A...

Signature:

Jennifer Garcia, Environmental Program Manager

Date: 1/13/2026



California Natural Resources Agency
DEPARTMENT OF FISH AND WILDLIFE
North Central Region
1701 Nimbus Road, Suite A
Rancho Cordova, CA 95670-4599
916-358-2900
<http://www.wildlife.ca.gov>

GAVIN NEWSOM, Governor
Valerie Termini, Acting Director



1/13/2026

Beth Christman
Truckee River Watershed Council
P.O. Box 8568
Truckee, CA 96162
bchristman@truckeeriverwc.org

Dear Beth Christman:

Final Streambed Alteration Agreement
EPIMS Notification No. NEV-63360-R2
South Fork Prosser Creek; Euer Valley Restoration, Phase 2

Attached is the final Streambed Agreement (Agreement) for the Euer Valley Restoration Project, Phase 2 (Project). Before the California Department of Fish and Wildlife (CDFW) may issue an Agreement, it must comply with the California Environmental Quality Act (CEQA). In this case, CDFW determined your Project is exempt from CEQA and filed a Notice of Exemption (NOE) on the same date it signed the Agreement.

Under CEQA, the filing of an NOE triggers a 35-day statute of limitations period during which an interested party may challenge the filing agency's approval of the Project. You may begin the Project before the statute of limitations expires if you have obtained all necessary local, state, and federal permits or other authorizations. However, if you elect to do so, it will be at your own risk.

If you have any questions regarding this letter, please contact Alyssa Obester, Senior Environmental Scientist (Specialist) at alyssa.obester@wildlife.ca.gov.

Sincerely,

DocuSigned by:
A handwritten signature in cursive that reads 'Jennifer Garcia'.
746D5F13C3B348A...

Jennifer Garcia
Environmental Program Manager

ec: Alyssa Obester, Senior Environmental Scientist (Specialist)
alyssa.obester@wildlife.ca.gov

CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE
NORTH CENTRAL REGION
1701 NIMBUS ROAD, SUITE A
RANCHO CORDOVA, CA 95670



STREAMBED ALTERATION AGREEMENT
EPIMS NOTIFICATION No. NEV-63360-R2
SOUTH FORK PROSSER CREEK

BETH CHRISTMAN
EUER VALLEY RESTORATION, PHASE 2

This Streambed Alteration Agreement (Agreement) is entered into between the California Department of Fish and Wildlife (CDFW) and Truckee River Watershed Council (Permittee) as represented by Beth Christman.

RECITALS

WHEREAS, pursuant to Fish and Game Code section 1602, Permittee notified CDFW on October 30, 2025 that Permittee intends to complete the project described herein.

WHEREAS, pursuant to Fish and Game Code section 1603, CDFW has determined that the project could substantially adversely affect existing fish or wildlife resources and has included measures in this Agreement necessary to protect those resources.

WHEREAS, Permittee has reviewed this Agreement and accepts its terms and conditions, including the measures to protect fish and wildlife resources.

NOW THEREFORE, Permittee agrees to complete the project in accordance with this Agreement.

PROJECT LOCATION

The project is located at South Fork Prosser Creek in Euer Valley, a tributary to the Truckee River, in the County of Nevada, State of California; Latitude 39.37675, Longitude -120.26413 (WGS 84 datum, decimal degrees); Assessor's Parcel Number 016-060-028-000.

Exhibit A shows the project location.

PROJECT DESCRIPTION

The project is limited to restoration of 0.863 acres at four locations within Euer Valley on South Fork Prosser Creek: Cowboy Crossing, Euer Valley Crossing, Crabtree Canyon Tributary, and Quickdraw Crossing. The project includes placement of debris jams, log grade controls, log cribwalls, and bank logs. Logs for this project have been generated from Tahoe Donner Association forest health operations within Euer Valley. Channel

realignment, excavation, fill, and grading will also occur. Channel access points will be formalized. Several culverts will be removed.

A variety of earthmoving equipment such as excavators, dump trucks, loaders, and skid steers will do most of the earthmoving work within the site. Water trucks, service trucks, and other construction vehicles will be present.

Specific details related to activities at each location are provided below.

Cowboy Crossing

Eight large debris jams will be placed within the active channel. Debris jams will be secured by stakes and log posts driven into the channel bed, embedded into the bed or bank, braced against bank vegetation, or pinned by existing logs or boulders. Five log grade controls will be installed at Cowboy Crossing. Four controls will be installed in the filled existing channel and one will be installed in the restored channel. A log cribwall will be installed at the site of a former road crossing. The cribwall will be located approximately 500 feet upstream of the realigned channel.

A reach of the channel of South Fork Prosser Creek at Cowboy Crossing will be realigned and the existing channel will be filled. Grading will also occur to realign the channel. Large woody debris jams and buried wood structures will be installed downstream of where the realigned channel enters the creek. A series of culverts will be removed prior to channel realignment and fill.

Euer Crossing

Five large debris jams will be installed in the stream channel upstream of the bridge crossing. Two small debris jams will be installed in a side channel downstream of the bridge crossing.

A floodplain pilot channel will be excavated downstream of the bridge to reconnect high flow channels. Bank logs will be installed at the entrance of the pilot channel. Two channel access points will be formalized downstream of the bridge.

Crabtree Crossing

Six large debris jams will be constructed in the stream channel near Crabtree Crossing. A log cribwall will be constructed approximately 50 feet upstream of the road crossing. An existing culvert will be removed from the stream channel. A small channel will be filled to match existing grade in order to direct flow over the low point of the crossing.

Quickdraw Crossing

The existing, artificially straightened channel at Quickdraw Crossing will be filled and realigned. The downstream end of the realigned channel will tie into an

abandoned meander. Three large debris jams will be installed in conjunction with the channel fill. Vegetation, including salvaged sod and willow will be placed on the filled channel. Grading will occur in the upstream portion of the realigned channel in order to create a floodplain depression. A formalized low water crossing will be installed to provide an equestrian crossing.

Exhibit B shows the project plans.

PROJECT IMPACTS

Existing fish or wildlife resources the project could substantially adversely affect include: mountain whitefish (*Prosopium williamsoni*), yellow warbler (*Dendroica petechia*), pallid bat (*Antrozous pallidus*), Sierra Nevada snowshoe hare (*Lepus americanus tahoensis*), western bumble bee (*Bombus occidentalis*), and other aquatic and terrestrial plant and wildlife species.

The adverse effects the project could have on the fish or wildlife resources identified above include: disruption to wildlife; disturbance of nesting due to increased human activity, noise, and vibrations; direct take of fish and other aquatic species; direct mortality or injury to individual plants and animals caused by project activities; impediment to migration of aquatic and terrestrial species during the project; direct loss of resources for aquatic organisms; introduction of sedimentation or other pollutants into the watercourse; short-term release of contaminants (e.g., incidental from project activities); loss of natural bed or bank; change in contour of bed, channel or bank; degradation of channel; loss of bank stability during the project; increase of bank erosion during the project; disturbance from project activity; diversion of flow water from, or around, activity site; and dewatering.

Temporary project impacts total 0.094 acres and 550 linear feet. The project will permanently impact 0.863 acres and 1,475 linear feet of streambed and bank. Approximately 2,340 cubic yards of soil, 367 cubic yards of large woody material for instream structures, and 50 cubic yards of boulders for instream structures will be installed.

MEASURES TO PROTECT FISH AND WILDLIFE RESOURCES

1. Administrative Measures

Permittee shall meet each administrative requirement described below.

- 1.1 Documentation at Project Site. Permittee shall make this Agreement, any extensions and amendments to this Agreement, and all related notification materials and California Environmental Quality Act (CEQA) documents, readily available at the project site at all times and shall be presented to CDFW personnel, or personnel from another state, federal, or local agency upon request.

- 1.2 Providing Agreement to Persons at Project Site. Permittee shall provide copies of this Agreement and any extensions and amendments to this Agreement to all persons who will be working on the project at the project site on behalf of Permittee, including but not limited to contractors, subcontractors, inspectors, and monitors.
- 1.3 Notification of Conflicting Provisions. Permittee shall notify CDFW if Permittee determines or learns that a provision in this Agreement might conflict with a provision imposed on the project by another local, state, or federal agency. In that event, CDFW shall work with the Permittee to resolve any conflict.
- 1.4 Project Site Entry. Permittee agrees that CDFW personnel may enter the project site at any time to verify compliance with this Agreement.
- 1.5 No Trespass. To the extent that any provisions of this Agreement provide for activities that require Permittee to traverse another owner's property, such provisions are agreed to with the understanding that the Permittee possesses the legal right to so traverse. In the absence of such right, any such provision is void.
- 1.6 Notification of Project Modification. Permittee agrees to notify CDFW of any modifications made to the project plans submitted to CDFW.
- 1.7 Change of Conditions and Need to Cease Operations. If conditions arise, or change, in such a manner as to be considered deleterious to the stream or wildlife, operations shall cease until corrective measures approved by CDFW are taken.
- 1.8 Does Not Authorize "Take." This Agreement does not authorize "take" of any California Endangered Species Act (CESA) listed species. Take is defined in Fish and Game Code section 86, as hunt, pursue, catch, capture or kill or attempt to hunt, pursue, catch, capture, or kill. If there is potential for take of any listed species to occur, Permittee shall consult with CDFW and demonstrate compliance with CESA.
- 1.9 Limitations on Authorization of Water Use. This Agreement does not authorize any diversion, use, or storage of water unless already permitted by law. Permittee is responsible for obtaining all necessary water rights and maintaining compliance with the State Water Code and Title 23 California Code of Regulations as appropriate. Permittee shall divert, store, and use water in accordance with a valid water right, including any limitations on when water may be diverted, stored, and used; the purpose for which it may be stored and used; and the location(s) where water may be stored and used. Information regarding water right registrations can be found at https://www.waterboards.ca.gov/waterrights/water_issues/programs/registrations. Information about water right permits and applications which is accessible at the following link: https://www.waterboards.ca.gov/waterrights/water_issues/programs/applications.

2. Avoidance and Minimization Measures

To avoid or minimize adverse impacts to fish and wildlife resources identified above, Permittee shall implement each measure listed below.

- 2.1 Work Period. Project activities covered under this Agreement shall be confined to the period between July 15 and October 15 during the term of this Agreement. *Revegetation, restoration, and erosion control work located outside of flowing water is not confined to this time period.*
- 2.2 Work Period Modification. If Permittee needs more time to complete the project activity, the work may be permitted outside of the work period and extended on a day-to-day basis (or for some other set period of time) by CDFW (see Contact Information). Permittee shall submit a written request for a work period modification to CDFW. The work period modification request shall: 1) describe the extent of work already completed; 2) provide a schedule for activities to be conducted within the requested modification period; 3) detail the time required to complete each activity; and 4) provide photographs of current site conditions. Work period modifications are issued at the discretion of CDFW. CDFW will review the written request to work outside of the established work period. CDFW will have ten (10) business days to review the proposed work period variance. CDFW reserves the right to require additional measures to protect fish and wildlife resources as a condition for granting the modification.
- 2.3 Work Period in Low Rainfall / Dry Weather Only. The work period within South Fork Prosser Creek and the associated meadow shall be restricted to periods of low rainfall (less than ¼-inch per 24-hour period) or periods of dry weather (with less than a 50% chance of rain). Permittee shall monitor the National Weather Service (NWS) 72-hour forecast for the project area. No work shall occur during a dry-out period of 24 hours after the above referenced wet weather. Weather forecasts shall be provided upon request by CDFW. All erosion control measures shall be initiated prior to all storm events. *Revegetation, restoration, and erosion control work outside of flowing water is not confined to this work period.*
- 2.4 Vegetation Removal. Disturbance or removal of vegetation shall be kept to the minimum necessary to complete project related activities. Except for tree removal already described in the project description, no native trees with a trunk diameter at breast height (DBH) in excess of four (4) inches shall be removed or damaged without prior consultation and approval of a CDFW representative. Where native trees or woody riparian vegetation split into several trunks close to ground level, the DBH shall be measured for each trunk and calculated as one tree. Vegetation that will not be removed by the project shall be marked for protection and may only be trimmed with hand tools to the extent necessary to gain access to the work sites.
- 2.5 Vegetation Removal Methods. Hand tools (e.g., trimmer, chain saw, etc.) shall be used to trim vegetation to the extent necessary to gain access to the work site(s);

larger equipment shall not be used for vegetation removal unless already described in the project description.

Biological Resources

- 2.6 Leave Wildlife Unharmed. Wildlife shall be allowed to leave the project area unharmed.
- 2.7 Special-Status Species Encountered During Work. If Permittee encounters any special-status species during project activities, work shall be suspended, CDFW notified, and conservation measures shall be developed in agreement with CDFW prior to re-initiating the activity. If during project activities, Permittee encounters any species listed pursuant to the CESA, work shall be suspended, and CDFW notified. Work may not re-initiate until the Permittee has consulted with CDFW and can demonstrate compliance with CESA.
- 2.8 Designated Biologist. Permittee shall submit to CDFW in writing the name, qualifications, business address, and contact information of the Designated at least 10 calendar days prior to initiating project activities. Permittee shall obtain CDFW's written approval of the Designated Biologist prior to the initiation of project activities. The Designated Biologist shall be knowledgeable and experienced in the biology and natural history and collecting and handling of local fish, wildlife, and plant resources present at the project site. Permittee shall not enter into any agreement or contract of any kind, including but not limited to non-disclosure agreements and confidentiality agreements, with the Designated Biologist(s) that prohibit or impede open communication with CDFW, including but not limited to providing CDFW staff with the results of any surveys, reports, or studies or notifying CDFW of any non-compliance or take.
- 2.8.1 Designated Biologist Responsibilities. Permittee shall ensure that a Designated Biologist be present as required in order to monitor compliance with the measures in this Agreement; notify CDFW of non-compliance with any measures; monitor all activities subject to this Agreement. The Designated Biologist shall be responsible for the submission of all required reports including survey results CDFW.
- 2.8.2 Biological Monitor Responsibilities. Biological Monitors may assist in compliance monitoring efforts under the supervision of the Designated Biologist. The Designated Biologist is responsible for assuring that any Biological Monitors working under their supervision are knowledgeable and experienced in the biology and natural history of special status species, the Measures within this Agreement, the definition of "take" in CESA, and in implementation of standard measures used on construction projects.
- 2.8.3 Stop Work Authorization. The Designated Biologist shall be authorized to stop project activities, if necessary, to protect fish, wildlife, and plant resources. If directed by the Designated Biologist, Permittee shall take

appropriate actions to ensure project activities are safely suspended. Designated Biologist shall notify CDFW of any non-compliance issues related to the stop work authorization. Neither the Designated Biologist nor CDFW shall be liable for any costs incurred as a result of compliance with this measure. This includes stop work orders issued by CDFW.

- 2.9 On-site Education. Permittee shall conduct an education program for all persons employed or otherwise working in the project area before performing project activities. The program shall consist of a presentation from the Designated Representative that includes the roles and responsibilities of the Designated Biologist. The program shall also consist of a presentation from the Designated Biologist that includes a discussion of the biology and general behavior of local fish, wildlife, and plant resources, information about the distribution and habitat needs of local fish, wildlife, and plant resources, sensitivity of fish, wildlife, and plant resources to human activities, special-status species including legal protection, penalties for violations and Project-specific protective measures described in this Agreement. Permittee shall prepare and distribute wallet-sized cards or a fact sheet handout containing this information for workers to carry in the project area. Permittee shall provide interpretation for non-English speaking workers, and the same instruction shall be provided to any new workers before they are authorized to perform project activities. Upon completion of the program, employees shall sign a form stating they attended the program and understand all protection measures. This training shall be repeated at least once annually for long-term and/or permanent employees that will be conducting work in the Project Area.
- 2.10 Special-Status Plant Surveys. In accordance with the recommendations of the *Protocols for Surveying and Evaluating Impacts to Special Status Native Plant Populations and Natural Communities (CDFW, 3/2018)*, a special-status plant survey shall be conducted prior to construction during the blooming season for special-status plant species that may occur on the project site. Exact survey timing shall be determined by the Designated Biologist. Survey results shall be summarized in a Botanical Survey Report consistent with the *Protocols for Surveying and Evaluating Impacts to Special Status Native Plant Populations and Natural Communities*. If special-status plants are discovered during these surveys, the Permittee shall coordinate with CDFW to develop a plan for avoiding project impacts to special-status plants.
- 2.11 Nesting Bird Survey. If project-related activities are scheduled between February 1 to August 31 (the typical nesting season), a focused survey for nests shall be conducted by a Designated Biologist no greater than fifteen (15) business/calendar days prior to the beginning of project-related activities. The Designated Biologist shall survey a minimum radius of 500-feet for migratory birds and 1/2-mile for raptors around the project area that can be accessed by Permittee. The results of the survey shall be provided to CDFW upon completion. If no active nests are found, project activities may proceed as scheduled.

- 2.11.1 Active Nests. If an active nest is found, active nests should be avoided, and a no disturbance or destruction buffer shall be determined and established by a Designated Biologist. The buffer shall be kept in place until after the breeding nesting season or the Designated Biologist confirms the young have fledged, are foraging independently, and the nest is no longer active for the season. The extent of these buffers shall be determined by the Designated Biologist and will depend on the species present, the level of noise or construction disturbance, line of sight between the nest and the disturbance, ambient levels of noise and other disturbances, and other topographical or artificial barriers.
- 2.11.2 Project Delay. If a lapse in project-related work of fourteen (14) calendar days or longer occurs, the Designated Biologist shall complete another focused survey before Project work can be reinitiated.
- 2.11.3 Permittee Responsibility. It is the Permittee's responsibility to comply with Fish and Game Code Sections 3503, 3503.5, and 3513, regardless of the time of year. This Agreement does not authorize take of birds, their nests, or their eggs.
- 2.12 Bat Habitat Assessment and Avoidance. Within six (6) months prior to the start of vegetation removal and/or construction, the Designated Biologist shall survey the project site for potentially suitable bat roosting habitat. The habitat assessment shall include a visual inspection of suitable habitat features (e.g., trees, bridges, and other structures) for suitable bat roosting habitat within the project area and a minimum of a 500-foot radius adjacent to these areas that may be impacted by Project activities. If no suitable bat roosting habitat are identified, no further action by the Permittee is required. If bat roosting habitat is present, and activities are scheduled during the maternity season (April 15 to August 31) or the hibernation season (October 15 to March 1), the Permittee shall: 1) conduct pre-construction surveys and 2) develop a Bat Avoidance and Exclusion Plan, if applicable.
- 2.13 Fish Species. To avoid impact to any non-listed fish species, a written Fish Relocation Plan must be submitted to CDFW for approval at least sixty (60) days prior to the start of any dewatering or water diversion activity and a copy of the approved plan must be available on-site. The plan shall be prepared and implemented by a Qualified Biologist. The Permittee shall ensure that any other necessary permits are acquired prior to fish relocation activity. The Fish Relocation Plan shall address the monitoring of the fish to be relocated during the water diversion or dewatering process. A post relocation report shall be provided that includes, at a minimum, the date and time of capture and relocation, the method of capture, map of locations in relation to the project site, and the number and species of fish captured and relocated. The report shall be provided to CDFW within fourteen (14) days of completing each fish relocation activity.
- 2.14 Aquatic Species Surveys. A Qualified Biologist who is knowledgeable in the identification of listed fish and amphibian species shall survey the project area prior

to initiating operations within or immediately adjacent to the watercourse. If a listed species or evidence of their presence are found, Permittee shall suspend work and consult with CDFW.

- 2.15 Stranded Aquatic Wildlife. The Qualified Biologist shall check daily for stranded aquatic life as the water level in the dewatering area drops. All reasonable efforts shall be made to capture and move all stranded aquatic life observed in the dewatered areas. Capture methods may include fish landing nets, dip nets, bucket, and by hand. Captured aquatic life shall be released immediately in the closest body of water adjacent to the work site. This condition does not allow for the take or disturbance of any listed species.

Invasive Species

- 2.16 Invasive Species. Permittee shall conduct project activities in a manner that prevents the introduction, transfer, and spread of aquatic, riparian, and terrestrial invasive species from one work site and/or water body to another. Prior to entering the project area, Permittee shall inspect equipment for invasive species and, if any signs of invasive species are found, the equipment shall be cleaned to remove those species in accordance with CDFW's 2022 Aquatic Invasive Species Decontamination Protocol, which is accessible at the following link: <https://nrm.dfg.ca.gov/FileHandler.ashx?DocumentID=43333>. All visible soil/mud debris, plant materials, and animal remnants on equipment shall be removed prior to entering and exiting the work site, within each work site, and/or each use in different watercourses. Permittee shall notify CDFW immediately if an invasive species not previously known to occur within the work site is discovered during work activities by contacting CDFW's Invasive Species Program by email at Invasives@wildlife.ca.gov or by phone at (866) 440-9530. Permittee shall immediately notify the North Central Region's Aquatic Invasive Species Coordinator by email at R2LSA@wildlife.ca.gov for any new aquatic invasive species detections (i.e., quagga and zebra mussel, golden mussel, Asian clam, New Zealand mud snail, didymo, milfoil, and Hydrilla) that are observed within the project area.
- 2.17 Decontamination Sites. Permittee shall perform decontamination of vehicles (including tires and mud flaps), watercraft, trailers, large machinery, barges, flexi-floats, containers, and other project gear and equipment in a designated location where runoff can be contained and not allowed to pass into waters of the state (Fish & G. Code § 89.1), the stream bed, bank, channel (including but not limited to dry, ponded, flowing, or wetland areas), drainages, lakes, or other sensitive habitat.
- 2.18 Decontamination of Project Equipment. Permittee shall decontaminate all tools, waders and boots, and other equipment that will enter the water prior to entering and exiting the project site to avoid the introduction and transfer of organisms. Permittee shall decontaminate project gear and equipment that will enter the water by utilizing one of three methods in accordance with CDFW's 2022 Aquatic

Invasive Species Decontamination Protocol: drying, using a hot water soak, or freezing, as appropriate to the type of gear or equipment. For all methods, Permittee shall begin the decontamination process by thoroughly scrubbing personal equipment, paying close attention to small crevices such as boot laces, seams, net corners, etc., with a stiff-bristled brush to remove all organisms. To decontaminate by drying, Permittee shall allow larger equipment to dry thoroughly (i.e., until there is a complete absence of water), preferably in the sun, for a minimum of 48 hours. To decontaminate using a hot water soak, Permittee shall immerse equipment in 140 degrees Fahrenheit or hotter water and soak for a minimum of 5 minutes. To decontaminate by freezing, Permittee shall place equipment in a freezer 32 degrees Fahrenheit or colder for a minimum of eight (8) hours. Repeat decontamination is required only if the equipment/clothing is removed from the site, used within a different waterbody, and returned to the project site.

Revegetation and Restoration

- 2.19 Seeding. Permittee shall restore all exposed/disturbed areas and access points within the project area, by seeding with a native seed mix of known genetic origin whose original stock seed was collected from areas in the Sierra Nevada, unless otherwise agreed upon with CDFW. Revegetation shall be completed in the fall before the start of the rainy season and as soon as possible after project activities. Seeded areas shall be covered with broadcast straw, mulch, and/or erosion control blankets.
- 2.20 Native Plant Materials. Revegetation shall include only local plant materials native to the project area, unless otherwise approved by CDFW in writing.
- 2.21 Prohibited Plant Species. Permittee shall not plant, seed or otherwise introduce invasive non-native plant species. Prohibited invasive non-native plant species include those identified in the California Invasive Plant Council's database, which is accessible at: <http://www.cal-ipc.org>.
- 2.22 Stream Materials. Rock, gravel, and/or other materials shall not be imported to, taken from or moved between watercourses except as otherwise addressed in this Agreement.

Erosion Control/Stabilization

- 2.23 Erosion Control. Permittee shall actively implement best management practices (BMPs) to minimize turbidity and siltation and prevent erosion and the discharge of sediment where it may pass into waters of the state (Fish & G. Code § 89.1), the stream bed, bank, channel (including but not limited to dry, ponded, flowing, or wetland areas), drainages, lakes, or other sensitive habitat during project activities. Precautions shall include, but are not limited to: pre-project planning to identify site specific turbidity and siltation minimization measures; best management erosion control practices during project activity; and settling, filtering, or otherwise treating

silty and turbid water prior to discharge into a stream or storm drain. This may require the placement of silt fencing, coir logs, coir rolls, straw bale dikes, or other siltation barriers so that silt and/or other deleterious materials are not allowed to pass to downstream reaches.

2.23.1 Monitoring. BMPs shall be monitored daily and repaired if necessary to ensure maximum erosion and sediment control.

2.23.2 Materials. All fiber rolls, straw wattles, and/or hay bales utilized within and adjacent to the project site shall be free of non-native plant materials. Fiber rolls or erosion control mesh shall be made of loose-weave mesh that is not fused at the intersections of the weave, such as jute, or coconut (coir) fiber, or other products without welded weaves. Products with plastic monofilament or cross joints in the netting that are bound/stitched (such as found in straw wattles/fiber rolls and some erosion control blankets), which may cause entrapment of wildlife, shall not be allowed. Permittee shall remove and dispose of all temporary BMPs and any related material upon completion of project activities.

2.23.3 Implementation. Passage of sediment beyond the sediment barrier(s) is prohibited. If any sediment barrier fails to retain sediment, corrective measures shall be taken. The sediment barrier(s) shall be maintained in good operating condition throughout the construction period and the following rainy season. Maintenance includes, but is not limited to, removal of accumulated silt and/or replacement of damaged silt fencing, coir logs, coir rolls, and/or straw bale dikes. Upon CDFW's determination that turbidity/siltation levels resulting from project-related activities constitute a threat to aquatic life, activities associated with the turbidity/siltation shall be halted until effective CDFW-approved control devices are installed or abatement procedures are initiated.

2.24 Prohibition Against Use of Plastic Netting in Erosion Control Measures. Permittee shall not use temporary or permanent erosion control devices containing plastic netting, including photo- or bio-degradable plastic netting. These items are commonly found in straw wattles (fiber rolls) and erosion control blankets.

2.25 Post Storm Event Inspection. After any storm event, Permittee shall inspect all sites scheduled to begin or continue construction within the next 72 hours. Corrective action for erosion and sedimentation shall be taken as needed. National Weather Service 72-hour weather forecasts shall be reviewed prior to the start of any phase of the project that may result in sediment runoff to the stream, and construction plans adjusted to meet this requirement. The National Weather Service forecast can be found at: <http://www.nws.noaa.gov>.

Avoid/Minimize Effects of Equipment

- 2.26 Heavy Equipment. Except for Project activities described in the Project Description, no heavy equipment shall operate, or any excavation take place, in waters of the state (Fish & G. Code § 89.1), the stream bed, bank, channel (including but not limited to dry, ponded, flowing, or wetland areas), drainages, lakes, or other sensitive habitat.
- 2.27 Heavy Equipment Maintenance and Fueling. Any equipment or vehicles driven and/or operated shall be checked and maintained daily to prevent leaks of materials that could be deleterious to aquatic and terrestrial life or riparian habitat. If maintenance or fueling of vehicles or equipment must occur on-site, Permittee shall use a designated area and/or a secondary containment, located away from watercourses to prevent the runoff of storm water and the runoff of spills. Permittee shall place drip pans or absorbent materials under vehicles and equipment when not in use. Equipment shall be stored in areas that any possible contamination from the equipment, petroleum products, or other pollutants would not pass into waters of the state (Fish & G. Code § 89.1), the stream bed, bank, channel (including but not limited to dry, ponded, flowing, or wetland areas), drainages, lakes, or other sensitive habitat.
- 2.28 Minimize Vehicle Parking. Vehicles may enter and exit the work area as necessary for project activities, but shall not be parked overnight within ten (10) feet of the drip line of any trees; nor shall vehicles be parked where mechanical fluid leaks may potentially pass into waters of the state (Fish & G. Code § 89.1), the stream bed, bank, channel (including but not limited to dry, ponded, flowing, or wetland areas), drainages, lakes, or other sensitive habitat.
- 2.29 Staging and Storage Areas. Staging and storage areas for equipment, materials, fuels, lubricants and solvents, shall be located more than 150 feet from or where it may not pass into the waters of the state, the stream bed, bank, channel (including but not limited to dry, ponded, flowing, or wetland areas), drainages, lakes, or other sensitive habitat.
- 2.30 Stationary Equipment Leaks. Stationary equipment such as motors, pumps, generators, and welders shall be positioned over drip pans and secondary containment, as necessary. Stationary equipment shall have suitable containment to handle any spill/leak. Equipment shall be stored in areas that any possible contamination from the equipment would not pass into waters of the state (Fish & G. Code § 89.1), the stream bed, bank, channel (including but not limited to dry, ponded, flowing, or wetland areas), drainages, lakes, or other sensitive habitat.

Debris Materials and Waste

- 2.31 Remove Structures. Project-related structures and associated materials not designed to withstand high water flows or placed in seasonally dry portions of a stream or lake that could be washed downstream or could be deleterious to

aquatic life, wildlife, or riparian habitat shall be moved to areas outside the floodplain before such flows occur.

- 2.32 No Dumping. Permittee and all contractors, subcontractors, and employees shall not dump any litter or project debris on the project site.
- 2.33 Remove Temporary Flagging, Fencing, and Barriers. Permittee shall remove all temporary flagging, fencing, and/or barriers from the project area and vicinity immediately upon completion of project activities.
- 2.34 Wash Water. Water containing mud, silt, or other pollutants from equipment washing or other activities, shall not be allowed to enter sensitive areas, or placed in locations where it may pass into waters of the state (Fish & G. Code § 89.1), the stream bed, bank, channel (including but not limited to dry, ponded, flowing, or wetland areas), drainages, lakes, or other sensitive habitat.
- 2.35 Hazardous Materials. Debris, soil, silt, sand, rubbish, project waste, cement or concrete or washings thereof, asphalt, paint, oil or other petroleum products or any other substances which could be hazardous to aquatic life, or other organic or earthen material from project activities shall not be stored where it may pass into waters of the state (Fish & G. Code § 89.1), the stream bed, bank, or channel (including but not limited to dry, ponded, flowing, or wetland areas), drainages, lakes, or other sensitive habitat. Permittee shall ensure that all project areas have proper spill clean-up materials (absorbent pads, sealed containers, booms, etc.) to contain the movement of any spilled substances. All debris shall be disposed of properly. BMPs shall be employed to accomplish these requirements. CDFW shall be notified immediately by the Permittee of any spills and shall be consulted regarding cleanup procedures.
- 2.36 Removal of Debris, Materials and Rubbish. Permittee shall remove all project generated debris, building materials and rubbish from the project area following completion of project activities.
- 2.37 Stream Diversions/Dewatering. If work in the flowing portion of the stream is unavoidable, the entire stream flow shall be diverted around or through the work area during the excavation and/or construction operations. Stream flow shall be diverted using gravity flow through temporary culverts/pipes/k-rails or pumped around the work site with the use of hoses. When a temporary dam or other artificial obstruction is being constructed, maintained, or placed in operation, sufficient water shall at all times be allowed to pass downstream to maintain aquatic life below the dam pursuant to Section 5937 of the Fish and Game Code. Any temporary dam or other artificial obstruction constructed shall only be built from clean materials such as, gravel bags, water dams, or clean/washed gravel which will cause little or no siltation.
- 2.38 Diversion Plan. If flowing water is present or reasonably anticipated, Permittee shall submit for approval a detailed water diversion plan to CDFW. Dewatering

structures may include the use of sandbag, Port-a-dams, water bladder dams, k-rails, or driven sheet metal coffer dams. CDFW will review the proposed water diversion method, to approve the plan or provide the requirements for that approval. Permittee may not commence the diversion of water without written approval from CDFW.

3. Reporting Measures

Permittee shall meet each reporting requirement described below.

- 3.1 Notification of Project Initiation. The Permittee shall notify CDFW two (2) business days prior to beginning work for each construction season. Notification shall be submitted as instructed in Contact Information section below. Email submittal is preferred.
- 3.2 Notification of Project Completion. Upon completion of the project activities described in this Agreement, the project activities shall be photographed. Photographs shall be submitted to CDFW within fifteen (15) business days of project completion. Photographs and project completion notification shall be submitted as instructed in Contact Information section below. Email submittal is preferred.
- 3.3 Notification to the California Natural Diversity Database. If any special-status species are observed during project implementation, the Permittee shall submit the California Natural Diversity Data Base (CNDDDB) Online Field Survey Form electronically at <https://www.wildlife.ca.gov/data/CNDDDB/submitting-data> within five (5) business days of the sightings, and provide a copy of the form, survey map and/or report to CDFW's Regional office as instructed in Contact Information section below.

CONTACT INFORMATION

Any communication that Permittee or CDFW submits to the other shall be in writing and any communication or documentation shall be delivered to the address below by U.S. mail, fax, or email, or to such other address as Permittee or CDFW specifies by written notice to the other.

To Permittee:

Beth Christman
P.O. Box 8568
Truckee, CA 96162
Phone: (530) 550-8760
Email: bchristman@truckeeriverwc.org

To CDFW:

California Department of Fish and Wildlife

North Central Region
1701 Nimbus Road, Suite A
Rancho Cordova, CA 95670
Attn: Lake and Streambed Alteration Program
EPIMS Notification No. NEV-63360-R2
Phone: (916) 358-1163
Email: R2LSA@wildlife.ca.gov

LIABILITY

Permittee shall be solely liable for any violations of this Agreement, whether committed by Permittee or any person acting on behalf of Permittee, including its officers, employees, representatives, agents or contractors and subcontractors, to complete the project or any activity related to it that this Agreement authorizes.

SUSPENSION AND REVOCATION

CDFW may suspend or revoke in its entirety this Agreement if it determines that Permittee or any person acting on behalf of Permittee, including its officers, employees, representatives, agents, or contractors and subcontractors, is not in compliance with this Agreement.

Before CDFW suspends or revokes this Agreement, it shall provide Permittee written notice by certified or registered mail that it intends to suspend or revoke. The notice shall state the reason(s) for the proposed suspension or revocation, provide Permittee an opportunity to correct any deficiency before CDFW suspends or revokes this Agreement, and include instructions to Permittee, if necessary, including but not limited to a directive to immediately cease the specific activity or activities that caused CDFW to issue the notice.

ENFORCEMENT

Nothing in this Agreement precludes CDFW from pursuing an enforcement action against Permittee instead of, or in addition to, suspending or revoking this Agreement.

Nothing in this Agreement limits or otherwise affects CDFW's enforcement authority or that of its enforcement personnel.

OTHER LEGAL OBLIGATIONS

This Agreement does not relieve Permittee or any person acting on behalf of Permittee, including its officers, employees, representatives, agents, or contractors and subcontractors, from complying with, from obtaining any other permits or authorizations that might be required under, other federal, state, or local laws or regulations before beginning the project or an activity related to it. For example, if the project causes take of a species listed as threatened or endangered under the Endangered Species Act (ESA), such take will be unlawful under the ESA absent a permit or other form of

authorization from the U.S. Fish and Wildlife Service or National Marine Fisheries Service.

This Agreement does not relieve Permittee or any person acting on behalf of Permittee, including its officers, employees, representatives, agents, or contractors and subcontractors, from complying with other applicable statutes in the Fish and Game Code including, but not limited to, Fish and Game Code sections 2050 *et seq.* (threatened and endangered species), section 3503 (bird nests and eggs), section 3503.5 (birds of prey), section 5650 (water pollution), section 5652 (refuse disposal into water), section 5901 (fish passage), section 5937 (sufficient water for fish), and section 5948 (obstruction of stream).

Nothing in this Agreement authorizes Permittee or any person acting on behalf of Permittee, including its officers, employees, representatives, agents, or contractors and subcontractors, to trespass.

AMENDMENT

CDFW may amend this Agreement at any time during its term if CDFW determines the amendment is necessary to protect an existing fish or wildlife resource.

Permittee may amend this Agreement at any time during its term, provided the amendment is mutually agreed to in writing by CDFW and Permittee. To request an amendment, Permittee shall submit to CDFW a completed CDFW "Request to Amend Lake or Streambed Alteration" form and include with the completed form payment of the corresponding amendment fee identified in CDFW's current fee schedule (see Cal. Code Regs., tit. 14, § 699.5).

TRANSFER AND ASSIGNMENT

This Agreement may not be transferred or assigned to another entity, and any purported transfer or assignment of this Agreement to another entity shall not be valid or effective, unless the transfer or assignment is requested by Permittee in writing, as specified below, and thereafter CDFW approves the transfer or assignment in writing.

The transfer or assignment of this Agreement to another entity shall constitute a minor amendment, and therefore to request a transfer or assignment, Permittee shall submit to CDFW a completed CDFW "Request to Amend Lake or Streambed Alteration" form and include with the completed form payment of the minor amendment fee identified in CDFW's current fee schedule (see Cal. Code Regs., tit. 14, § 699.5).

EXTENSIONS

In accordance with Fish and Game Code section 1605, subdivision (b), Permittee may request one extension of this Agreement, provided the request is made prior to the expiration of this Agreement's term. To request an extension, Permittee shall submit to CDFW a completed CDFW "Request to Extend Lake or Streambed Alteration" form and

include with the completed form payment of the extension fee identified in CDFW's current fee schedule (see Cal. Code Regs., tit. 14, § 699.5). CDFW shall process the extension request in accordance with Fish and Game Code section 1605, subdivisions (b) through (e).

If Permittee fails to submit a request to extend this Agreement prior to its expiration, Permittee must submit a new notification and notification fee before beginning or continuing the project this Agreement covers (Fish & G. Code § 1605, subd. (f)).

EFFECTIVE DATE

This Agreement becomes effective on the date of CDFW's signature, which shall be: 1) after Permittee's signature; 2) after CDFW complies with all applicable requirements under the California Environmental Quality Act (CEQA); and 3) after payment of the applicable Fish and Game Code section 711.4 filing fee listed at <https://wildlife.ca.gov/Conservation/Environmental-Review/CEQA/Fees>

TERM

This Agreement shall **expire five (5) years** from the date signed by CDFW. All provisions in this Agreement shall remain in force throughout its term. Permittee shall remain responsible for implementing any provisions specified herein to protect fish and wildlife resources after this Agreement expires or is terminated, as Fish and Game Code section 1605, subdivision (a)(2) requires.

EXHIBITS

The documents listed below are included as exhibits to this Agreement and incorporated herein by reference.

Exhibit A. Project Location
Exhibit B. Project Plans

AUTHORITY

If the person signing this Agreement (signatory) is doing so as a representative of Permittee, the signatory hereby acknowledges that he or she is doing so on Permittee's behalf and represents and warrants that he or she has the authority to legally bind Permittee to the provisions herein.

AUTHORIZATION

This Agreement authorizes only the project described herein. If Permittee begins or completes a project different from the project this Agreement authorizes, Permittee may be subject to civil or criminal prosecution for failing to notify CDFW in accordance with Fish and Game Code section 1602.

CONCURRENCE

Through the electronic signature by Permittee or Permittee's representative as evidenced by the attached concurrence from CDFW's Environmental Permit Information Management System (EPIMS), Permittee accepts and agrees to comply with all provisions contained herein.

The EPIMS concurrence page containing electronic signatures must be attached to this agreement to be valid.

Exhibit A: Project Location

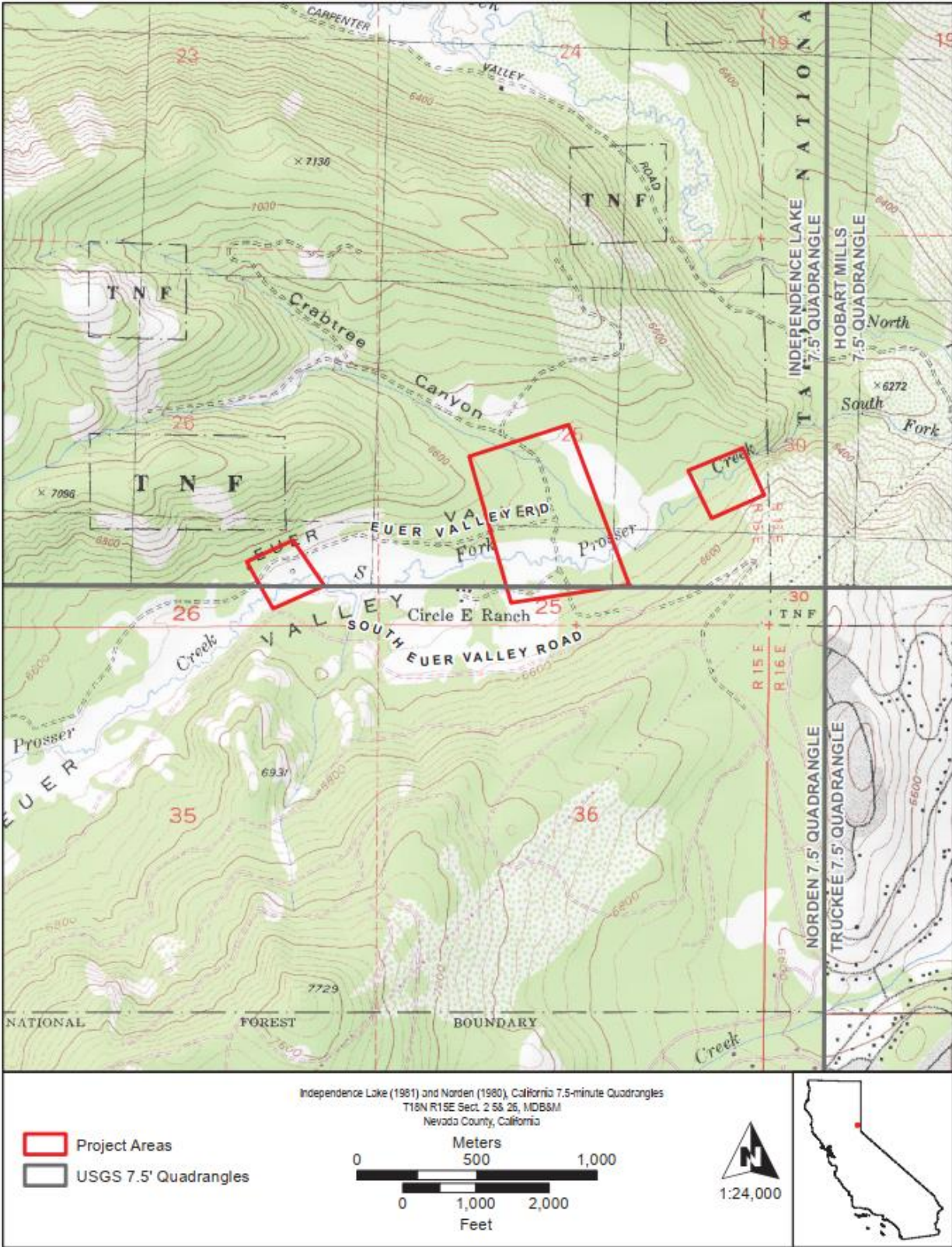
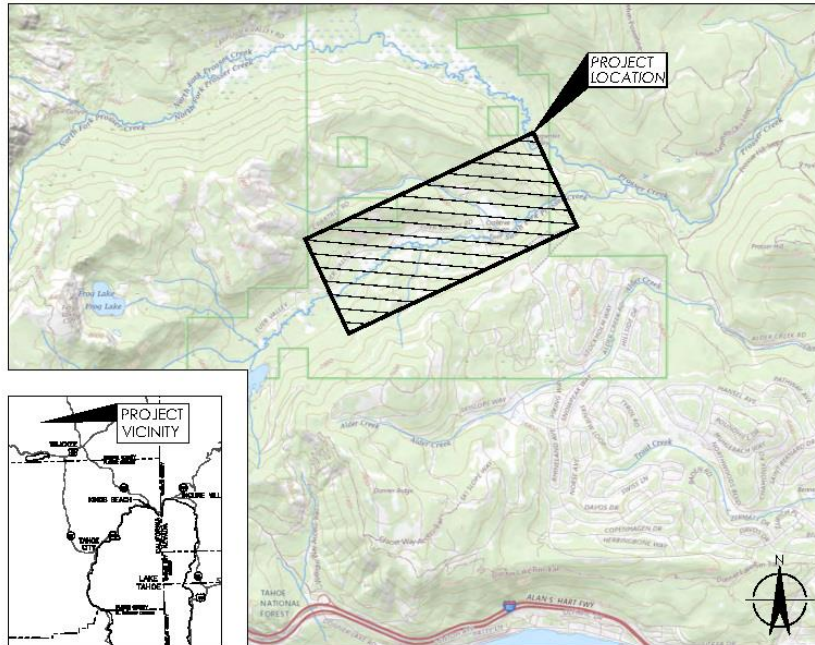


Exhibit B: Project Plans

EUER VALLEY PHASE 2 RESTORATION PROJECT

NEVADA COUNTY, CALIFORNIA

LOCATION MAP



SHEET INDEX

- SHEET 1.0: COVER SHEET
- SHEET 1.1: SYMBOLS AND GENERAL NOTES
- SHEET 2.0: DIVERSION AND DEWATERING PLAN
- SHEET 3.0: OVERVIEW, ACCESS, & SHEET INDEX
- SHEET 3.1.1: EUER CROSSING RESTORATION OVERVIEW
- SHEET 3.1.2: EUER CROSSING CREEK DETAIL VIEWS
- SHEET 3.1.3: EUER CROSSING ROAD & DITCH DETAIL VIEWS
- SHEET 3.2.1: COWBOY CROSSING RESTORATION OVERVIEW
- SHEET 3.2.2: SOUTH FORK PROSSER CREEK DETAIL VIEWS
- SHEET 3.2.3: COWBOY CROSSING GRADING AND REALIGNMENT DETAIL VIEWS
- SHEET 3.2.4: COWBOY CRIBWALL DETAIL VIEWS
- SHEET 3.2.5: SIDEWINDER TRAIL DRAINAGE DETAIL VIEWS
- SHEET 3.3.1: CRABTREE CREEK RESTORATION OVERVIEW
- SHEET 3.3.2: CRABTREE CREEK ROAD CROSSING DETAIL VIEWS
- SHEET 3.4.1: QUICKDRAW CROSSING RESTORATION OVERVIEW
- SHEET 3.4.2: QUICKDRAW CROSSING GRADING DETAIL VIEWS 1
- SHEET 3.4.3: QUICKDRAW CROSSING GRADING DETAIL VIEWS 2
- SHEET 3.4.4: QUICKDRAW CROSSING TRAIL DETAILS
- SHEET 3.4.5: QUICKDRAW LOG STRINGER DETAILS
- SHEET 4.0: ROAD TREATMENT TYPICAL DETAILS
- SHEET 4.1: DEBRIS JAM TYPICAL DETAILS
- SHEET 4.2: LOG STRUCTURE TYPICAL DETAILS
- SHEET 4.3: MATERIALS TYPICAL DETAILS
- SHEET 5.0: REVEGETATION NOTES

PROJECT TEAM

CLIENT
TRUCKEE RIVER WATERSHED COUNCIL
 BETH CHRISTMAN
 PO BOX 8568
 TRUCKEE, CALIFORNIA 96162
 TEL. (530) 550-8760 x1

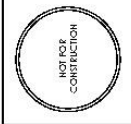
REVEGETATION SPECIALIST
WESTERN BOTANICAL SERVICES
 JULIE ETRA, CPESC
 5859 MT ROSE HIGHWAY
 RENO, NEVADA 89511
 TEL. (775) 849-3223

GEOMORPHOLOGIST / SITE CIVIL ENGINEER
BALANCE HYDROLOGICS
 PETER KULCHAWIK, P.E.
 DAVID SHAW, P.G.
 12020 DONNER PASS ROAD, SUITE B1
 TRUCKEE, CALIFORNIA 96161
 TEL. (530) 550-9776

LANDOWNER
TAHOE DONNER ASSOCIATION
 11509 NORTHWOODS BLVD
 TRUCKEE, CALIFORNIA 96161



DESIGNED BY	DATE	BY	DATE
DRAWNBY	15/08/23	PK	
CHECKED BY	23/12/24	PK	
IN-CHARGE	04/12/25	PK	
DATE	09-11-2023		



COVER SHEET

EUER VALLEY PHASE 2 RESTORATION

NEVADA COUNTY, CALIFORNIA

PROJECT NUMBER	220095
SCALE/TAT	22' X 34"
SHEET	1.0

©2025 BALANCE HYDROLOGICS, INC.

90% DESIGN - NOT FOR CONSTRUCTION

LEGEND:

GENERAL NOTES:

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE PROJECT SITE TO VERIFY SITE CONDITIONS AND FOR COMPLETELY UNDERSTANDING THE REQUIRED SCOPE OF WORK SHOWN ON THESE DRAWINGS AND CONTAINED IN THE PROJECT SPECIFICATIONS.
- ALL PARTS OF THIS PROJECT - INCLUDING SOIL PREPARATION, EARTHWORK, AND PLANTING - ARE SUBJECT TO FIELD DESIGN BY THE ENGINEER'S REPRESENTATIVE. AT ANY TIME, THE CONTRACTOR'S OPERATIONS AND CONSTRUCTION MAY BE SUBJECT TO OBSERVATION BY THE ENGINEER'S REPRESENTATIVE. WHEN REQUESTING THE PRESENCE OF THE ENGINEER'S REPRESENTATIVE AT THE PROJECT SITE FOR DESIGN CLARIFICATION, STAGE ACCEPTANCE, OR OTHER APPROVALS, THE CONTRACTOR SHALL PROVIDE 48 HOURS ADVANCE NOTICE DIRECTLY TO THE ENGINEER'S REPRESENTATIVE.
- THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL LABOR AND MATERIALS TO COMPLETE THE WORK DEPICTED HEREIN.
- THE CONTRACTOR SHALL CONFIRM THE LOCATIONS OF UNDERGROUND UTILITIES BEFORE THE START OF ANY CONSTRUCTION OPERATIONS, INCLUDING AND NOT LIMITED TO EXCAVATION OR TRENCHING. THE CONTRACTOR SHALL CALL UNDERGROUND SERVICE ALERT (USA) AT 811/1-800-227-2400. THE CONTRACTOR SHALL PROVIDE A MINIMUM OF 48 HOURS ADVANCE NOTICE FOR LOCATING UTILITIES.
- THE GRADING UNITS SHALL BE APPROVED BY THE ENGINEER'S REPRESENTATIVE PRIOR TO ANY GROUND DISTURBANCE.
- THE CONTRACTOR SHALL CONTACT THE ENGINEER'S REPRESENTATIVE IMMEDIATELY UPON FINDING ANY FIELD CONDITIONS THAT WOULD CONFLICT WITH THE INFORMATION INDICATED ON THESE DRAWINGS OR THE PROJECT SPECIFICATIONS. ALL FIELD ADJUSTMENTS MUST BE APPROVED BY THE ENGINEER'S REPRESENTATIVE BEFORE CONSTRUCTION OF SAID ADJUSTMENTS. FAILURE TO DO SO SHALL RESULT IN THE CONTRACTOR ASSUMING FULL RESPONSIBILITY FOR ANY REQUIRED REVISIONS OR FIELD MODIFICATIONS, AS DIRECTED BY THE ENGINEER'S REPRESENTATIVE, AT NO ADDITIONAL COST.
- CONFORM TO EXISTING GRADES AND CONDITIONS WHENEVER POSSIBLE. ANY ADJACENT OR OTHER AREAS DISTURBED BY THE CONTRACTOR'S OPERATION MUST BE RESTORED BY THE CONTRACTOR TO THE PRE-DISTURBANCE CONDITIONS TO THE SATISFACTION OF THE ENGINEER'S REPRESENTATIVE.
- ALL LUBRICATION, REFUELING, OR MAINTENANCE OF CONSTRUCTION VEHICLES SHALL BE CONDUCTED WITHIN APPROVED CONSTRUCTION STAGING AREAS.
- PROPERTY LINES SHOWN HEREIN ARE APPROXIMATE.
- STAGING AREAS MUST BE CONTAINED BY AREAS DESCRIBED IN THE PROJECT STORMWATER POLLUTION PREVENTION PLAN (PMP) TO CONTAIN THE AREA AND PREVENT CONTAMINANTS FROM ENTERING NEARBY CHANNELS AND WATER BODIES.
- ELEVATIONS ARE RELATIVE TO THE NAVD 83 DATUM, AND ARE BASED ON 2018 USGS LIDAR DATA AND GROUND-BASED SURVEY BY BALANCE HYDROLOGICS IN 2023 AND 2024. SUPPLEMENTAL SURVEY DATA MAY BE REQUIRED.
- PRESERVE TREES AND VEGETATION OUTSIDE OF THE LIMITS OF WORK. ANY TREES OR VEGETATION DISTURBED OUTSIDE OF THE LIMITS OF WORK SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. ANY TREES GREATER THAN 4" DBH THAT ARE OUTSIDE OF THE GRADING UNITS AND INTERFERE WITH THE WORK, MAY ONLY BE REMOVED WITH APPROVAL FROM THE ENGINEER'S REPRESENTATIVE.
- SCALE SIZES INDICATED HEREIN ARE INTENDED FOR PLOTTING ON AHS 32E D SHEETS (22" BY 34") IN COLOR.

EARTHWORK NOTES:

- EARTHWORK OPERATIONS SHALL BE EXCLUDED ACCORDING TO THESE PLANS, THE GEOTECHNICAL ENGINEERING REPORT, AND THE RELEVANT PROJECT PERMITS.
- THE CONTRACTOR SHALL FURNISH ALL LABOR AND MATERIALS TO IMPORT MATERIAL AS NEEDED. SHOULD THERE NOT BE SUFFICIENT AMOUNTS OF SUITABLE MATERIAL ON-SITE FOR REUSE, THE CONTRACTOR SHALL FURNISH ALL LABOR AND MATERIALS TO OFF-HAUL AND DISPOSE OF ALL EXCESS AND UNSUITABLE MATERIAL BY LEGAL MEANS.
- THE CONTRACTOR SHALL CONSTRUCT FINISHED SURFACES TO 0.1' OF THE ELEVATIONS INDICATED ON THE PLANS. THE ENGINEER'S REPRESENTATIVE SHALL APPROVE ALL FINISHED GRADES.
- EXCAVATING, RILLING, AND GRADING WORK SHALL NOT BE PERFORMED DURING WEATHER CONDITIONS WHICH MIGHT DAMAGE OR BE DETRIMENTAL TO THE CONDITION OF EXISTING GROUND, IN-PROGRESS WORK, OR COMPLETED WORK. WHEN THE WORK IS INTERRUPTED BY RAIN, EXCAVATING, RILLING, AND GRADING WORK SHALL NOT RESUME UNTIL THE SITE AND SOIL CONDITION (MOISTURE CONTENT) ARE SUITABLE FOR COMPACTION.
- AREAS PROPOSED FOR RILL PLACEMENT SHALL BE CLEARED AND GRUBBED, CLEARED AND GRUBBING SHALL INCLUDE THE REMOVAL AND DISPOSAL OF ALL UNSUITABLE MATERIAL SPECIFIED IN THE EARTHWORK NOTES, INCLUDING TREES (LESS THAN 4 INCHES IN DIAMETER MEASURED 4 FEET FROM THE GROUND), SHRUBS, OTHER VEGETATION, AND DEBRIS AND RUBBISH OF ANY NATURE. MATERIAL GENERATED FROM CLEARING AND GRUBBING MAY NOT BE REUSED AS RILL MATERIAL. MATERIAL GENERATED FROM CLEARING AND GRUBBING MAY NOT BE REUSED TO THE MAXIMUM DITCH DEPTH POSSIBLE AS 15 CM (5.9 IN) OR SALVAGED WILLOWS. SEE NOTES ON SHEET 5.0. ALL ROCKS GREATER THAN 8 INCHES IN DIAMETER SHALL BE REMOVED FROM THE TOP 12 INCHES OF SOIL.
- PRIOR TO PLACEMENT OF RILL, THE SUB-SURFACE SOIL SHALL BE SCARIFIED TO A DEPTH OF ROUGHLY 12 INCHES AND THEN UNIFORMLY MOISTURE CONDITIONED TO WITHIN 2 PERCENT OF OPTIMUM MOISTURE CONTENT.
- RILL SHALL CONSIST OF UNCONTAMINATED, PREDOMINANTLY GRANULAR, NON-EXPANSIVE NATIVE SOIL OR APPROVED IMPORT SOIL. RILL SHOULD CONSIST OF GRANULAR MATERIAL, NON-EXPANSIVE AND FREE OF DELETERIOUS OR ORGANIC MATERIAL. IMPORTED MATERIAL THAT IS PROPOSED FOR USE ON-SITE SHOULD BE SUBMITTED TO THE ENGINEER'S REPRESENTATIVE FOR APPROVAL AND LABORATORY ANALYSIS AT LEAST 72 HOURS PRIOR TO IMPORTATION.
- SOIL MATERIAL THAT IS TOO WET FOR COMPACTION SHALL BE LEFT TO DRAIN, THEN TO BE REARED AND DRIED BY DESIGN AND HARROWING OR OTHER APPROVED METHODS UNTIL THE ENGINEER'S REPRESENTATIVE APPROVES THE DRIED MATERIAL.
- MATERIAL EXCAVATED FROM THE PROJECT SITE SHALL BE DEMED UNSUITABLE FOR REUSE IF IT IS OF SUCH NATURE AS TO BE INCAPABLE OF BEING COMPACTED TO SPECIFIED DENSITY USING ORDINARY METHODS. TOO WET TO BE PROPERLY COMPACTED AND CIRCUMSTANCES PREVENT SUITABLE DRYING PRIOR TO INCORPORATION INTO THE WORK, FOUND TO CONTAIN DEBRIS WASTE, VEGETATION OR OTHER DELETERIOUS MATTER, OR OTHERWISE DEEMED UNSUITABLE BY THE ENGINEER'S REPRESENTATIVE.
- RILL SHALL BE UNIFORMLY MOISTURE CONDITIONED TO WITHIN 2 PERCENT OF THE OPTIMUM MOISTURE CONTENT AND PLACED IN MAXIMUM 8 INCH THICK, LOOSE LAYERS (LAYERS) PRIOR TO COMPACTION. ALL RILL SHALL BE COMPACTED TO AT LEAST 85 PERCENT OF THE MAXIMUM DRY DENSITY (PER ASTM D1557), MOISTURE CONTENT, DRY DENSITY, AND RELATIVE COMPACTION OF RILL SHOULD BE EVALUATED BY THE ENGINEER'S REPRESENTATIVE AT REGULAR INTERVALS DURING RILL PLACEMENT. THE CONTRACTOR IS RESPONSIBLE FOR ACHIEVEMENT OF PROPER COMPACTION DURING RILL AND BACERILL PLACEMENT, INCLUDING PROVIDING WATER TO ACHIEVE OPTIMUM MOISTURE CONTENT DURING RILL OPERATIONS. THE UPPER 4 TO 8 INCHES OF RILL SLOPES MAY BE SCARIFIED TO PROMOTE REVEGETATION.
- RILL SHALL BE PLACED IN HORIZONTAL LIFTS TO THE LINES AND GRADES SHOWN ON THE PROJECT PLANS. SLOPES SHALL BE CONSTRUCTED BY OVERBUILDING THE SLOPE FACE AND THEN CUTTING IT BACK TO DESIGN SLOPE GRADES. RILL SLOPES SHALL NOT BE CONSTRUCTED OR BUILT END HORIZONTALLY BY PLACING SOIL ON AN EXISTING SLOPE FACE AND/OR COMPACTED BY TRACE WALKING.
- MAINTAIN SLOPES AND EMBANKMENTS UNTIL SUBSTANTIAL COMPLETION AND ACCEPTANCE OF THE WORK. PROMPTLY REPAIR SLIDES, SLOPES, WASHOUTS, SETTLEMENTS, AND SUBSIDENCES THAT OCCUR FOR ANY REASON AND REFINISH THE SLOPE OR EMBANKMENT TO THE INDICATED LINES AND GRADES, COMPLY WITH APPLICABLE REQUIREMENTS OF CCR TITLE 16 TRENCH CONSTRUCTION SAFETY ORDERS.
- THE CONTRACTOR SHALL TAKE ALL MEANS NECESSARY TO PREVENT THE INTRODUCTION AND SPREAD OF NON-NATIVE PLANTS.
- ENSURE THAT THE TOP 2" OF SOIL IN PLACED RILL IS FREE OF CONCRETE, RUBBLE, DEBRIS, BRANCHES, ROCKS, STUMPS, WIRE, OR OTHER DELETERIOUS MATTER 1" IN DIAMETER AND LARGER. DISPOSE OF DEBRIS OFF-SITE ACCORDING TO STATE AND LOCAL REGULATIONS AT NO ADDITIONAL COST.
- THE CONTRACTOR SHALL PROVIDE ADEQUATE DUST CONTROL MEASURES DURING EARTHWORK OPERATIONS THAT ARE IN ACCORDANCE WITH LOCAL AND STATE REQUIREMENTS, ALONG WITH PERMIT CONDITIONS.
- THE ENGINEER'S REPRESENTATIVE SHALL APPROVE FINISH GRADE ELEVATIONS.

ABBREVIATIONS:

FEET	DIAMETER	L	LEFT	STA	STATION
INCH	E	LF	LINEAR FEET	STR	STRUCTURE
HUMBER	ECB	MAX	MAXIMUM	TDA	TANK DRAINAGE ASSOCIATION
AGGREGATE BASE	EG	MN	MINIMUM	TSOM	TOP SOIL/ORGANIC MATTER
ASPHALT CONCRETE	ELEV	N	NORTHING	TWMC	TRENCH WEEVER WATERSHED COUNCIL
APPROXIMATE	ESA	NIC	NOT IN CONTRACT	TYP	TYPICAL
AMERICAN SOCIETY FOR TESTING AND MATERIALS	EX	NIS	NOT TO SCALE	USGS	UNITED STATES GEOLOGICAL SURVEY
BGS	BY	OC	ON CENTER	V	VERTICAL
CBM	FG	PROP	PROPOSED	WSE	WATER SURFACE ELEVATION
CORRUGATED METAL PIPE	FT	R	RIGHT		
DIAMETER AT BREST HEIGHT (FROM GROUND)	H	ROW	RIGHT OF WAY		
	IN	S	SOUTH		
	INV	SF	SOUTH POLE		

SYMBOLS AND GENERAL NOTES

EVER VALLEY PHASE 2 RESTORATION

NEVADA COUNTY, CALIFORNIA

PROJECT NUMBER 23095

SCALE 1/2" = 1'

SHEET 1.1

Balance Hydrologics, Inc.
 6020 Dunes Park Road, Suite 81
 Truckee, CA 96161
 Tel: 530.939.9778
 www.balancehydrologics.com

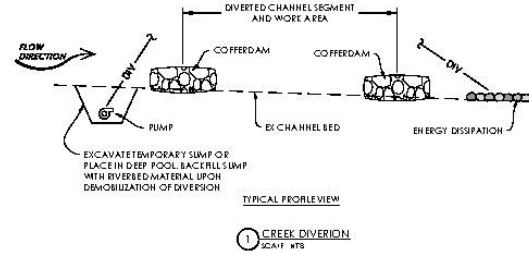
DESIGNED BY	DATE	SUBMITTALS / REVISIONS
DRAWN BY	DATE	30% DESIGN
CHECKED BY	DATE	50% DESIGN
IN CHARGE	DATE	70% DESIGN
DATE	DATE	

NOT FOR CONSTRUCTION

90% DESIGN - NOT FOR CONSTRUCTION

TEMPORARY CREEK DIVERSION AND DEWATERING NOTES:

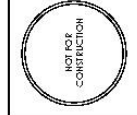
1. GENERAL
 - 1.1. THESE DIVERSION AND DEWATERING NOTES HAVE BEEN PREPARED TO HELP THE CONTRACTOR UNDERSTAND THE SCOPE OF THE DIVERSION AND DEWATERING WORK. THE CONTRACTOR SHALL SUBMIT A DIVERSION AND DEWATERING PLAN FOR APPROVAL BY THE ENGINEER'S REPRESENTATIVE NO LATER THAN 10 DAYS BEFORE MOBILIZATION. THE PLAN MAY INCLUDE ALTERNATE DEWATERING AND DIVERSION METHODS IF, IN THE OPINION OF THE CONTRACTOR, THE WORK WOULD BE BETTER COMPLETED BY OTHER MEANS. ANY ALTERNATE PLAN MUST BE APPROVED BY THE ENGINEER'S REPRESENTATIVE. ULTIMATELY, IT IS THE CONTRACTOR'S RESPONSIBILITY TO EXECUTE A DIVERSION AND DEWATERING PLAN THAT REASONABLY PREPARES THE SITE TO COMPLETE THE WORK DIRECTED IN THESE DRAWINGS, AND IS CONSISTENT WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS.
 - 1.2. LOCATIONS OF TEMPORARY CREEK DIVERSION PIPE ALIGNMENTS SHOWN HEREIN ARE APPROXIMATE AND SHOULD NOT BE CONSIDERED PRESCRIPTIVE. THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER'S REPRESENTATIVE PRIOR TO MOBILIZATION TO AGREE ON A FINAL CONFIGURATION FOR THE DIVERSION SYSTEMS BASED ON FIELD CONDITIONS.
 - 1.3. THE DIVERSION SYSTEM SHOULD BE DESIGNED TO DIVERT AT LEAST 2 CFS (900 GPM), THIS IS THE ANTICIPATED BASEFLOW RATE DURING LATE SUMMER WHEN THE PROJECT WILL BE IMPLEMENTED. THE CONTRACTOR'S DIVERSION PLAN SHALL INCLUDE MEASURES FOR MANAGING A SUDDEN RISE IN STREAMFLOW FROM A PRECIPITATION EVENT, UP TO AT LEAST 5 CFS.
 - 1.4. COFFERDAMS SHALL BE CONSTRUCTED AT THE UPSTREAM AND DOWNSTREAM ENDS OF THE DIVERTED CHANNEL SEGMENT. COFFERDAMS SHALL BE CONSTRUCTED TO MINIMIZE SEEPAGE.
 - 1.5. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, AND SERVICES AS REQUIRED TO INSTALL, OPERATE, AND REMOVE THE TEMPORARY CREEK DIVERSION SYSTEMS, INCLUDING BACK-UP EQUIPMENT AS NECESSARY FOR REPLACEMENT AND FOR UNANTICIPATED EMERGENCIES.
2. MATERIALS
 - 2.1. COFFERDAMS: THE CONTRACTOR SHALL SUBMIT A DRAWING AND/OR PRODUCT SHEET TO THE ENGINEER'S REPRESENTATIVE FOR THE PROPOSED COFFERDAM. IF USED, GRAVEL BAG FILL MATERIAL SHALL BE CLEAN AND FREE FROM CLAY BALLS, ORGANIC MATTER, WEEDS, AND OTHER DELETERIOUS MATERIALS. THE OPENING OF GRAVEL-FILLED BAGS SHALL BE SECURED SUCH THAT GRAVEL DOES NOT ESCAPE.
 - 2.2. PUMPS: THE PUMPS AND PUMPING APPARATUS USED FOR THE DIVERSION SHALL BE OF THE SUBMERSIBLE TYPE WITH SUFFICIENT CAPACITY TO CONTROL SLUMP WATER LEVELS AS DESCRIBED HEREIN. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE POWER TO OPERATE THE DIVERSION SYSTEMS, INCLUDING THE PUMPING EQUIPMENT, AS NEEDED TO ASSURE THAT DEWATERING IS EFFECTIVE DURING ALL WORK WITHIN THE BANKS OF THE CREEK. THE CONTRACTOR SHALL PROVIDE BACK-UP POWER AS NEEDED TO ASSURE THAT POWER INTERRUPTIONS DO NOT LEAD TO DAMAGE TO FINISHED OR IN-PROCESS WORK OR DELAYS IN COMPLETING THE WORK. ALL EQUIPMENT, INCLUDING ANY GENERATORS USED FOR PRIMARY OR BACK-UP POWER SUPPLY, SHALL BE OPERATED IN COMPLIANCE WITH ALL PERTINENT NOISE AND AIR POLLUTION REDUCTION REQUIREMENTS.
 - 2.3. DIVERSION PIPE: DIVERSION PIPE AND COUPLINGS SHALL BE POLYVINYL CHLORIDE (PVC) OR SDR-35 OR APPROVED EQUIVALENT. THE MATERIAL SHALL BE SELECTED FOR FLEXIBILITY AND DURABILITY TO ALLOW FOR THE OCCASIONAL RELOCATION OF THE DIVERSION PIPING DURING CONSTRUCTION ACTIVITIES. THE SIZE OF DIVERSION PIPE SHALL BE DETERMINED BY THE CONTRACTOR BASED ON THE ANTICIPATED FLOW RATES DESCRIBED HEREIN AND THE PERFORMANCE CHARACTERISTICS OF THE PROPOSED PUMPS.
 - 2.4. ENERGY DISSIPATION: THE CONTRACTOR SHALL SUBMIT A PLAN FOR AN ENERGY DISSIPATION FEATURE TO BE INSTALLED AT THE OUTLET END OF EACH CREEK DIVERSION. THE ENERGY DISSIPATION FEATURE SHALL BE CAPABLE OF RETURNING FLOW FROM THE DIVERSION PIPE TO THE NATURAL CHANNEL WITHOUT CAUSING EROSION.
3. EXCLUSION
 - 3.1. THE CONTRACTOR SHALL COORDINATE WITH PROJECT BIOLOGISTS ON RISH RELOCATION PRIOR TO INSTALLING EACH CREEK DIVERSION SYSTEM.
 - 3.2. THE COFFERDAMS SHALL BE CONSTRUCTED IN THE LOCATIONS SHOWN ON THE PLANS. PROVIDE WATER TIGHT SEALS IF THE DIVERSION PIPE PENETRATES THE COFFERDAM.
 - 3.3. GRADE A SLUMP IN THE CHANNEL UPSTREAM OF THE COFFERDAM TO COLLECT STREAMFLOW FOR PUMPING.
 - 3.4. INSTALL THE DIVERSION PIPE TO AVOID DAMAGE TO EXISTING VEGETATION AND STREAM BANKS.
 - 3.5. INSPECT THE DIVERSION PIPE AND COFFERDAMS DAILY DURING THE CONSTRUCTION PERIOD TO ENSURE THEY ARE EFFECTIVELY CONVEYING STREAMFLOW. PERFORM CORRECTIVE MAINTENANCE AS NEEDED.
 - 3.6. PUMP INCIDENTAL GROUNDWATER ENCOUNTERED DURING EXCAVATION AS NEEDED TO FACILITATE COMPLETION OF THE WORK.
 - 3.7. WATER PUMPED FROM WITHIN EXCAVATION AREAS OR THE PORTION OF THE CHANNEL ENCLOSED BY THE COFFERDAMS SHALL BE DISCHARGED ONTO MEADOW SURFACES OR OTHER FEATURES AS NECESSARY TO MEET TURBIDITY REQUIREMENTS. MONITOR PUMPED WATER TO ENSURE IT DOES NOT CAUSE EROSION.
 - 3.8. WHEN ALL WORK HAS BEEN COMPLETED, REMOVE THE DIVERSION SYSTEM AND RESTORE ANY EXISTING FEATURES THAT WERE ADVERSELY AFFECTED TO PRE-PROJECT CONDITIONS. BACKFILL THE SLUMP WITH RIVERBED MATERIAL.



TYPICAL PROFILE VIEW
 1" CREEK DIVERSION
 SCALE: 4/8"



DESIGNED BY	DATE	SUBMITALS / REVISIONS
DRAWN BY: (S)B/C	11/13/23	30% DESIGN
PL & E.C.E.	03/13/24	10% DESIGN
CHECKED BY: (S)A.E.D.S.	08/17/23	90% DESIGN
IN CHARGE		
DATE	08-11-2025	

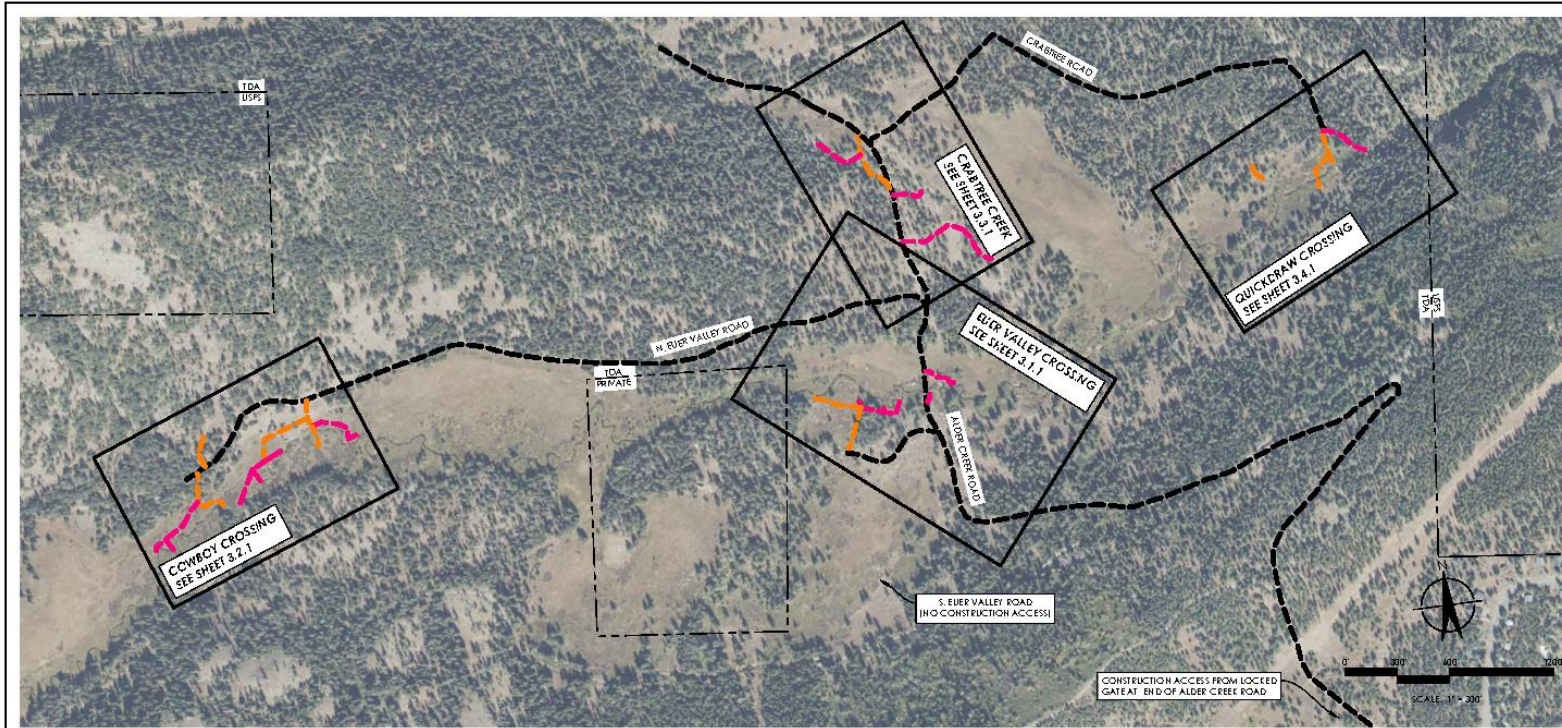


DIVERSION AND DEWATERING PLAN
 EVER VALLEY PHASE 2 RESTORATION
 NEVADA COUNTY, CALIFORNIA

PROJECT NUMBER: 23095
 SCALE (AT 22" X 34")
 SHEET
2.0

90% DESIGN - NOT FOR CONSTRUCTION

©2025 BALANCE HYDROLOGICS, INC.



SITE PREPARATION GENERAL NOTES:

1. THE SITE IS ACCESSED THROUGH AT GATE AT THE END OF ALDER CREEK ROAD. FROM THE GATE, ACCESS THE FOUR PROJECT AREAS VIA EXISTING GRAVEL ROADS OWNED BY TDA. THE CONTRACTOR SHALL COORDINATE WITH TDA, PRIOR TO MOBILIZATION TO GAIN ACCESS THROUGH THE LOCKED GATES AND OTHER OPERATIONAL PROVISIONS.
2. PRESERVE TREES AND VEGETATION OUTSIDE OF THE LIMITS OF WORK. LIMITS OF WORK SHALL BE THE AREA WITHIN THE GRADING LIMITS, CONSTRUCTION ACCESS ROUTES, AND STAGING AREAS. ANY TREES GREATER THAN 4" DBH THAT ARE OUTSIDE OF THE LIMITS OF WORK AND INTERFERE WITH THE WORK MAY ONLY BE REMOVED WITH APPROVAL FROM THE ENGINEER'S REPRESENTATIVE.
3. THE CONTRACTOR SHALL PREPARE A TRAFFIC CONTROL PLAN TO MITIGATE FOR ANY ANTICIPATED IMPACTS TO BICYCLE AND PEDESTRIAN TRAFFIC, AND TO PROVIDE ALL SIGNAGE FOR BICYCLE AND PEDESTRIAN SAFETY. THE CONTRACTOR SHALL SUBMIT THE TRAFFIC CONTROL PLAN TO THE ENGINEER'S REPRESENTATIVE NO LATER THAN 48 HOURS PRIOR TO MOBILIZATION.

STAGING AND ACCESS NOTES:

1. AT LEAST 30 DAYS PRIOR TO MOBILIZATION, THE CONTRACTOR SHALL SUBMIT A STAGING AND ACCESS PLAN THAT, AT MINIMUM, INCLUDES THE FOLLOWING INFORMATION:
 - 1.1. PROPOSED DEVIATIONS FROM THE ACCESS ROUTE ALIGNMENTS AND STAGING AREA CONFIGURATIONS THAT ARE SHOWN HEREIN.
 - 1.2. FUELS/CHEMICAL STORAGE AREAS.
 - 1.3. MATERIALS/EQUIPMENT STAGING AREAS, AND
 - 1.4. EMPLOYEE PARKING AREAS.
2. THE CONTRACTOR SHALL FLAG THE LOCATIONS OF THE CONSTRUCTION ACCESS ROUTES AND STAGING AREAS FOR APPROVAL BY THE ENGINEER'S REPRESENTATIVE BEFORE THE ROUTES ARE UTILIZED.
3. CONSTRUCTION ACCESS ROUTES ARE CLASSIFIED AS FOLLOWS:

- 3.2. ROUTES WITH NO EQUIPMENT LIMITATIONS (EXISTING ROADS).
- 3.3. TEMPORARY CONSTRUCTION ROUTES WITH NO EQUIPMENT LIMITATIONS.
- 3.4. TEMPORARY CONSTRUCTION ROUTES WITH EQUIPMENT PROHIBITIONS (FOOT TRAVEL OR TRACED EQUIPMENT ONLY, NO WORK TRUCKS, BUGGIES, ATVs, OR OTHER SMALL RUBBER TIERED EQUIPMENT ARE ALLOWED).
- 3.5. ROUTES WITH TEMPORARY MEADOW PROTECTION MATS SHALL INCLUDE MESH ADAPT MATS OF AN EQUIVALENT PRODUCT APPROVED BY THE ENGINEER'S REPRESENTATIVE (LOCATION OF MATS NOT SHOWN ON THIS SHEET).
4. FOR ALL TYPES OF TEMPORARY CONSTRUCTION ROUTES, THE CONTRACTOR SHALL DRIVE IN STRAIGHT LINES TO MINIMIZE GROUND DISTURBANCE TO THE EXTENT PRACTICABLE. INSTALL TEMPORARY MEADOW PROTECTION MATS WHERE SHOWN ON THE PLANS AND AT ADDITIONAL LOCATIONS AS DIRECTED BY THE ENGINEER'S REPRESENTATIVE (UP TO 300 FT TOTAL, IF NEEDED, DEPENDING ON RELO CONDITIONS).
5. CONSTRUCTION ACCESS ROUTES SHALL BE ESTABLISHED BY DRIVING ALONG THE ALIGNMENTS SHOWN HEREIN TO MINIMIZE GROUND DISTURBANCE. NO SCRAPING, BLADING, OR OTHER GRADING OPERATIONS ARE ALLOWED WITHOUT THE APPROVAL OF THE ENGINEER'S REPRESENTATIVE. REMOVAL OF ABOVE-GROUND VEGETATION LESS THAN 4 INCHES DBH, SHRUBS, AND OTHER VEGETATION IS ALLOWED.
6. TEMPORARY REMOVAL OF BOULDERS AND TREES (BOTH ALIVE AND FALLEN DEAD TREES) WILL BE REQUIRED TO ESTABLISH CONSTRUCTION ACCESS ROUTES. MOVE BOULDERS AND SAW FALLEN TREES AS NEEDED. SET ASIDE BOULDERS AND TREE PIECES FOR DECOMMISSIONING. REMOVE LIVE TREES GREATER THAN 4" DBH ONLY IF APPROVED BY THE ENGINEER'S REPRESENTATIVE.
7. PERFORM CORRECTIVE MAINTENANCE TO ACCESS ROUTES THROUGHOUT THE CONSTRUCTION PERIOD TO ADDRESS EROSION AND POTENTIAL SOURCES OF FINE SEDIMENT. ANY RUTS EXCEEDING 3 INCHES IN DEPTH OR 25 FEET IN LENGTH SHALL BE CORRECTED IMMEDIATELY.
8. ACCESS ROUTES SHALL BE DECOMMISSIONED BY APPLYING SEED (EXCEPT FOR ROUTES THAT FOLLOW EXISTING TDA ROADS) AS REQUIRED TO REVEGETATE AREAS THAT HAVE BEEN DISTURBED BY CONSTRUCTION OPERATIONS. THE TYPE OF SEED MIX TO REVEGETATE ACCESS ROUTES SHALL VARY DEPENDING ON THE

9. PREVAILING HYDROGEOLOGIC ZONE. CONSULT THE PROJECT REVEGETATION SPECIALIST FOR GUIDANCE. DECOMPACTION MEASURES DESCRIBED ON SHEET 5.0 SHALL BE COMPLETED FOR ACCESS ROUTES WHERE SEEDINGS ARE REQUIRED.
10. DAMAGE TO TDA ROADS CAUSED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED TO THE PRE-CONSTRUCTION CONDITION AND TO THE SATISFACTION OF THE LANDOWNER'S REPRESENTATIVE.
- 10.1. AT LEAST 30 DAYS PRIOR TO MOBILIZATION, THE CONTRACTOR SHALL SUBMIT A STAGING AND ACCESS PLAN THAT, AT MINIMUM, INCLUDES THE FOLLOWING INFORMATION:
 - 10.1.1. PROPOSED DEVIATIONS FROM THE ACCESS ROUTE ALIGNMENTS AND STAGING AREA CONFIGURATIONS THAT ARE SHOWN HEREIN.
 - 10.1.2. FUELS/CHEMICAL STORAGE AREAS.
 - 10.1.3. MATERIALS/EQUIPMENT STAGING AREAS, AND
 - 10.1.4. EMPLOYEE PARKING AREAS.
- 10.2. FUELS/CHEMICAL STORAGE AREAS.
- 10.3. MATERIALS/EQUIPMENT STAGING AREAS, AND
- 10.4. EMPLOYEE PARKING AREAS.
11. CONTRACTOR SHALL SUBMIT A PLAN TO BE USED FOR TEMPORARY STREAM CROSSINGS (IF NEEDED) TO THE ENGINEER'S REPRESENTATIVE FOR APPROVAL.

CONSTRUCTION WATER:

1. A WATER DRAFTING SITE WILL BE PROVIDED WITHIN EVER VALLEY. THE CONTRACTOR SHALL COORDINATE WITH TDMC AND TDA TO IDENTIFY THE DRAFTING SOURCE.
2. THE CONTRACTOR SHALL SUPPLY PUMPS CAPABLE OF PUMPING 400 GPM (MIN) TO FULFILL REQUIREMENTS FOR INSTALLATIONS REQUIRING HYDRAULIC JETTING AND 300 FEET OF HOSE.
3. LEVERAGE TEMPORARY CREEK DIVERSIONS TO SUPPLY CONSTRUCTION WATER, TO THE EXTENT ALLOWED BY THE PROJECT PERMITS.

Balance Hydrologics, Inc.
 6020 Donner Pass Road, Suite B1
 Truckee, CA 96161
 tel: (530) 589-9778
 www.balancehydro.com

DESIGNED BY	DATE	SUBMITTALS / REVISIONS
DRAWN BY	DATE	30% DESIGN
CHECKED BY	DATE	60% DESIGN
IN CHARGE	DATE	90% DESIGN
DATE		
DATE		
DATE		

NOT FOR CONSTRUCTION

OVERVIEW, ACCESS, & SHEET INDEX

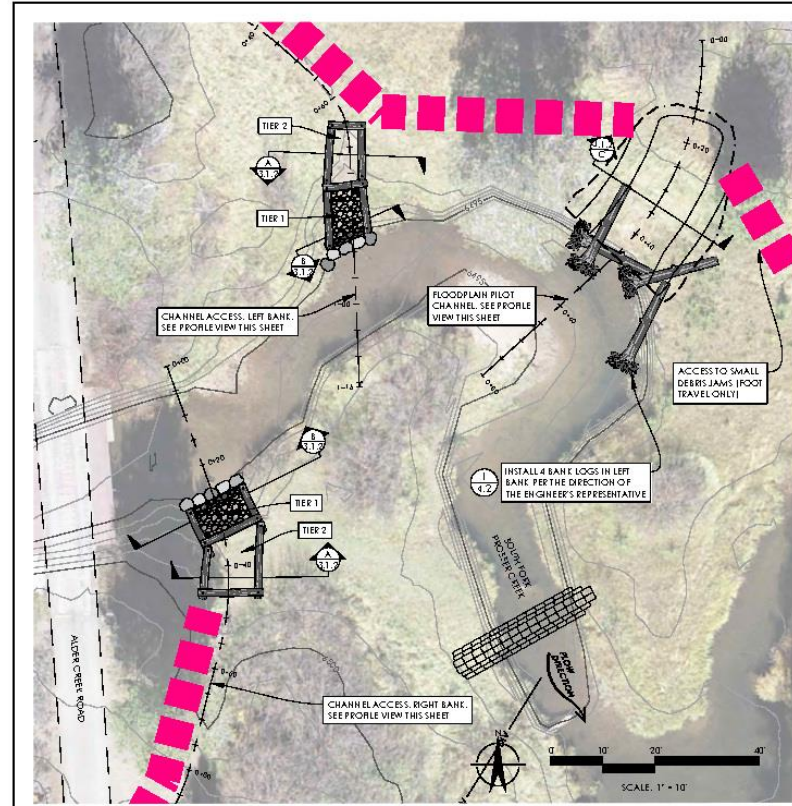
EVER VALLEY PHASE 2 RESTORATION

NEVADA COUNTY, CALIFORNIA

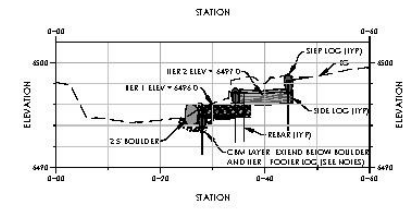
PROJECT NUMBER	23095
SCALE (AT 22" X 34")	1" = 200'
SHEET	3.0

90% DESIGN - NOT FOR CONSTRUCTION

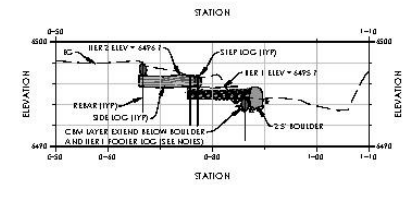
©2019 BALANCE HYDROLOGICS, INC.



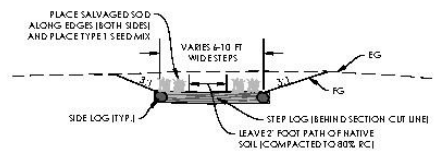
- CHANNEL ACCESS NOTES:**
1. REFER TO SHEET 4.3 FOR GENERAL LOG, ROULDER, REBAR, AND CSM REQUIREMENTS.
 2. LOGS
 - 2.1. ALL LOGS FOR CHANNEL ACCESS INSTALLATIONS SHALL HAVE A MINIMUM OF 12" DIAMETER.
 - 2.2. LOG LENGTHS WILL VARY FROM 6' TO 15' ACCORDING TO THE PLAN VIEWS. THE CONTRACTOR SHALL DELIVER LOGS TO THE INSTALLATION SITE THAT ARE SLIGHTLY LONGER THAN SHOWN ON THE PLAN VIEWS.
 - 2.3. TRIM LOGS TO CONFORM TO FIELD CONDITIONS PER THE DIRECTION OF THE ENGINEER'S REPRESENTATIVE.
 - 2.4. ALL LOGS SHALL MAKE FIRM CONTACT WITH ADJACENT LOGS AND ROULDER TO MINIMIZE GAPS. LOGS THAT ARE TOO SHORT SHALL BE REMOVED AND A NEW LOG PROVIDED. LAPPING LOGS TO ACHIEVE THE DIMENSIONS SHOWN ON THE PLAN IS NOT ALLOWED.
 3. EXCAVATE TRENCHES FOR THE LOGS AND ROULDER THAT ARE JUST LARGE ENOUGH TO ACCEPT THE MATERIALS.
 4. PLACE A 6" BEDDING LAYER OF CSM BELOW THE ROULDER AND FOOTER LOG FOR TIER 1. THE BEDDING LAYER MAY BE OMITTED IF COMPARABLE NATIVE REVERSED MATERIALS ENCOUNTERED AND F DIRECTED BY THE ENGINEER'S REPRESENTATIVE.
 5. REBAR SHALL BE CUT TO 5' LENGTHS. PRE DRILL HOLES 1/8" TO 1/4" SMALLER THAN THE SPOURED REBAR DIAMETER TO PROVIDE FIRM FRICTION CONTACT WITH THE LOGS. ROUNDED REBAR TO BE FLUSH WITH THE TOP OF LOG SUCH THAT NO SHARP EDGES ARE EXPOSED. CONTACT THE ENGINEER'S REPRESENTATIVE IMMEDIATELY IF REBAR ENCOUNTERS RESISTAL DURING INSTALLATION.
 6. HYDRAULICALLY JET CSM INTO BERS WHERE CSM IS SHOWN ON THE PLANS. THE FINISHED GRADE OF THE CSM SHALL BE FLUSH WITH THE TOP OF LOG AND ROULDER ELEVATIONS AND SHALL FILL GAPS TO THE EXTENT PRACTICABLE.



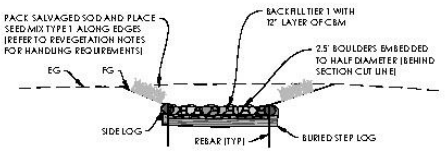
CHANNEL ACCESS, RIGHT BANK
 PROFILE VIEW T = 10', (VERT 2X)



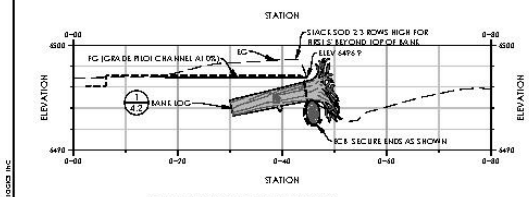
CHANNEL ACCESS, LEFT BANK
 PROFILE VIEW T = 10', (VERT 2X)



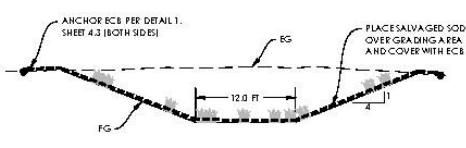
CHANNEL ACCESS - TIER 2
 TYPICAL SECTION VIEW N.T.S. 1/16"



CHANNEL ACCESS - TIER 1
 TYPICAL SECTION VIEW N.T.S. 1/16"



FLOODPLAIN PILOT CHANNEL
 PROFILE VIEW T = 10', (VERT 2X)



LEFT BANK GRADING
 SECTION VIEW N.T.S. 1/16"

90% DESIGN - NOT FOR CONSTRUCTION

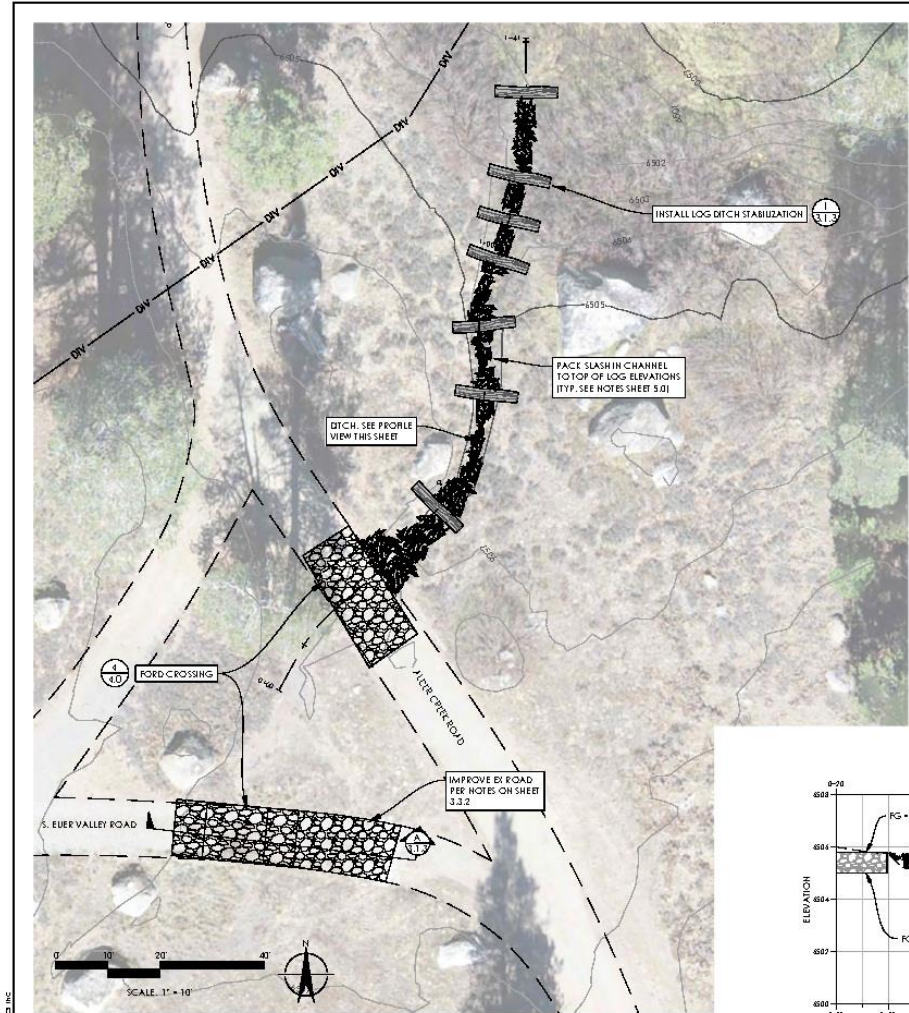


DESIGNED BY	DATE	SUBMITTALS / REVISIONS
DRAWN BY	12/20/23	30% DESIGN
PL. E.C.E.	04/10/24	50% DESIGN
CHECKED BY	08/17/23	90% DESIGN
IN. P.A. E.D.S.		
DATE	08-11-2025	

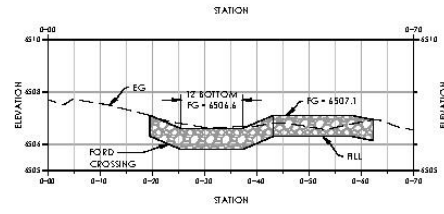


EUER CROSSING CREEK
 DETAIL VIEWS
 EUER VALLEY PHASE 2 RESTORATION
 NEVADA COUNTY, CALIFORNIA

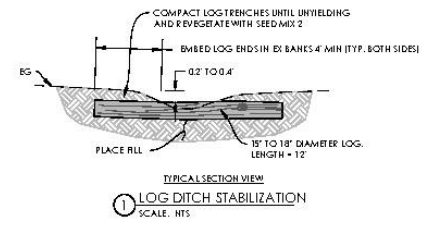
PROJECT NUMBER	23095
SCALE (AT 22" X 34")	AS SHOWN
SHEET	3.1.2



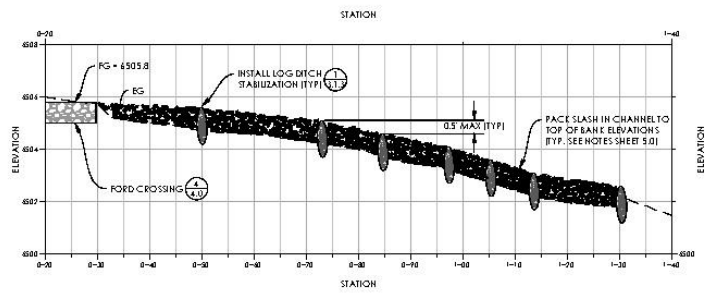
90% DESIGN - NOT FOR CONSTRUCTION



S. EUER VALLEY ROAD
 PROFILE VIEW
 1" = 10' (VERT 5X1)



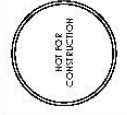
TYPICAL SECTION VIEW
 LOG DITCH STABILIZATION
 SCALE: NTS



DITCH
 PROFILE VIEW
 1" = 10' (VERT 5X1)



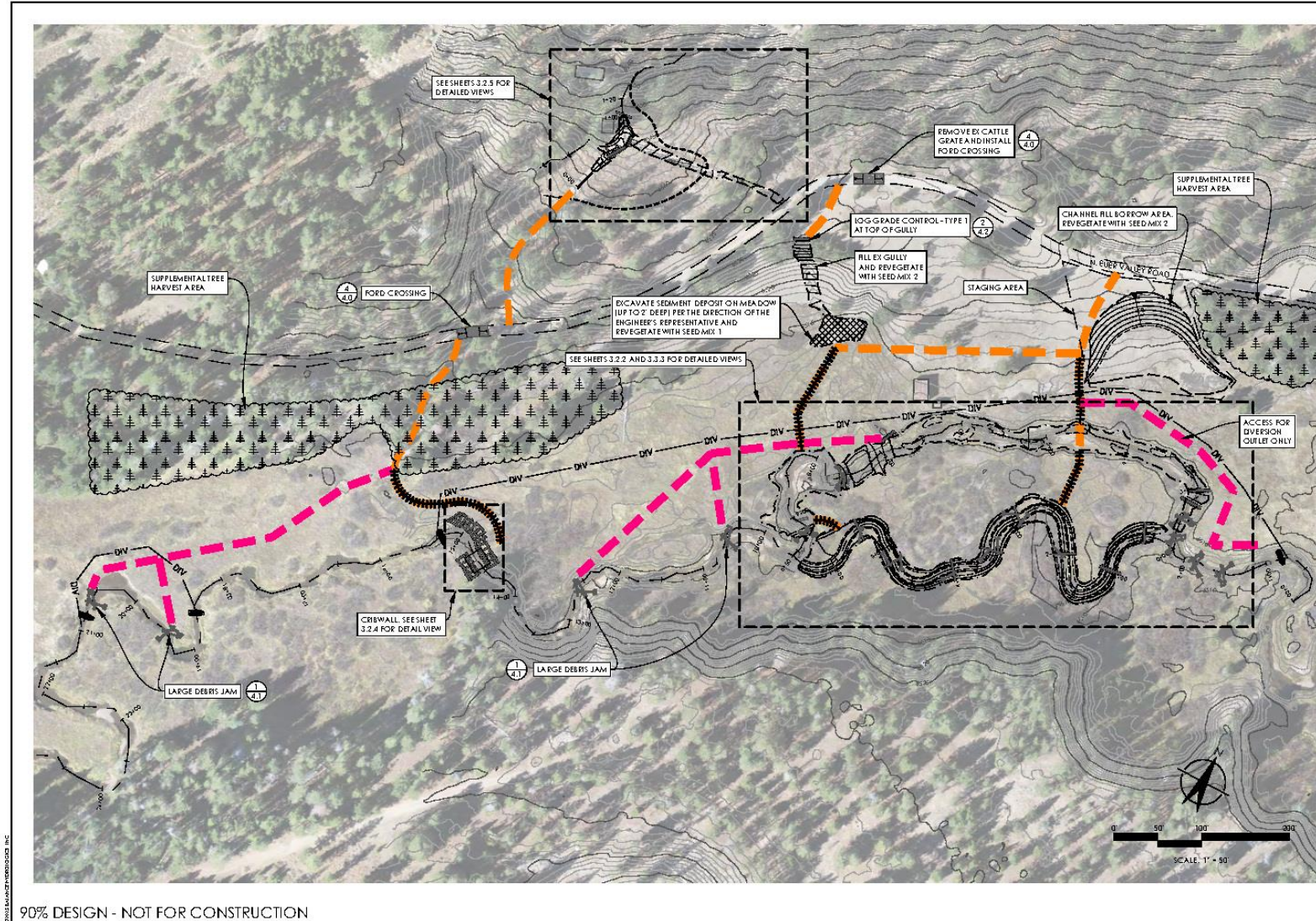
DESIGNED BY	DATE	BY	SUBMITTALS / REVISIONS
DRAWN BY	12/18/21	ML	30% DESIGN
CHECKED BY	03/17/22	ML	50% DESIGN
IN CHARGE	08/17/23	ML	90% DESIGN
DATE			
DATE	08-11-2025		



EUER CROSSING ROAD
 & DITCH DETAIL VIEWS
 EUER VALLEY PHASE 2 RESTORATION
 NEVADA COUNTY, CALIFORNIA

PROJECT NUMBER
 23095
 SCALE (AT 22' X 34")
 AS SHOWN
 SHEET

3.1.3

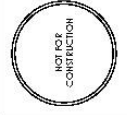


90% DESIGN - NOT FOR CONSTRUCTION



Balance Hydrologics, Inc.
 1020 Donner Pass Road, Suite 81
 Truckee, CA 96161
 Tel: (530) 569-9778
 www.balancehydro.com

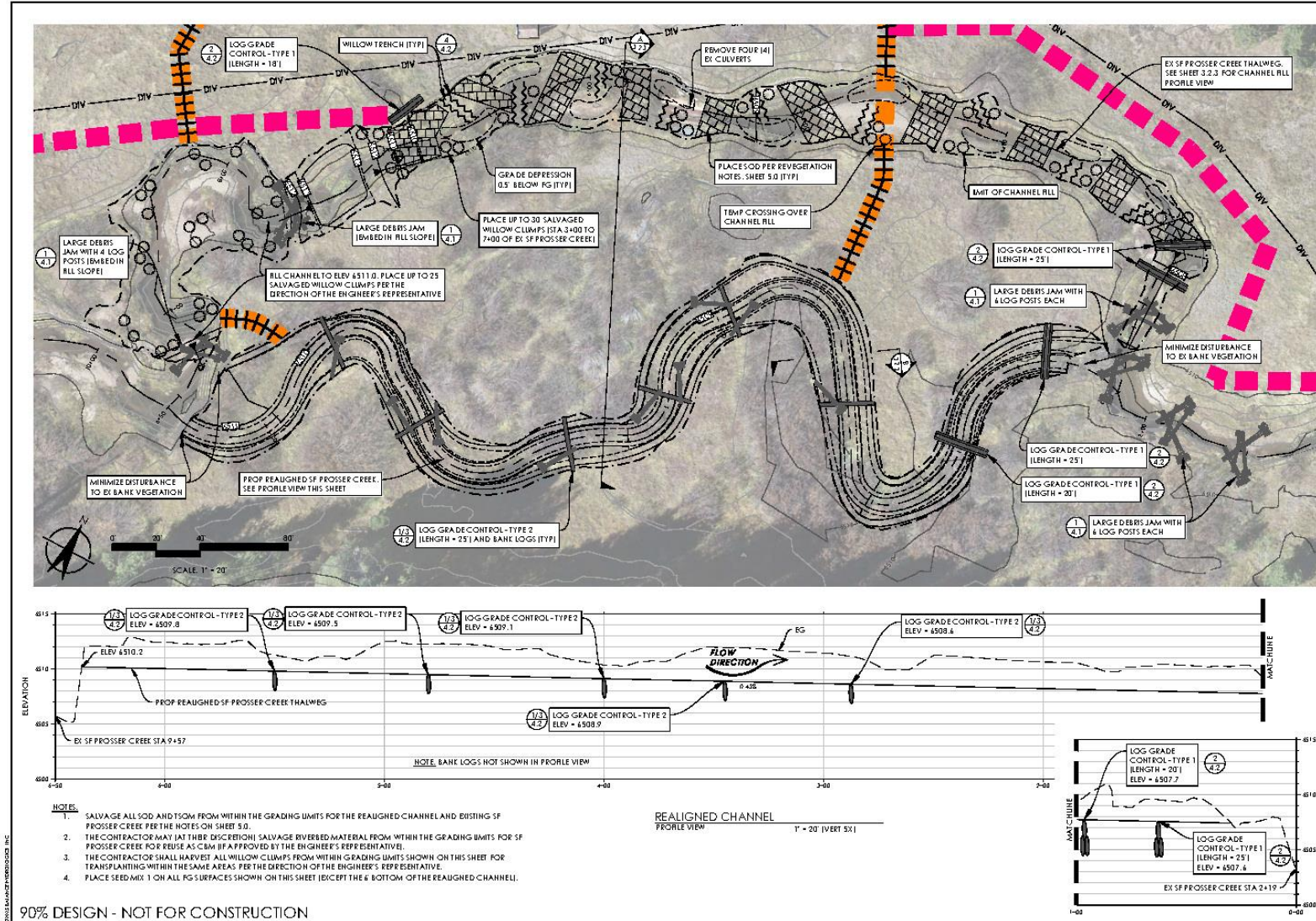
DESIGNED BY	DATE	SUBMITTALS / REVISIONS
DRAWN BY	12/18/2014	50% DESIGN
FILED BY	03/13/2015	50% DESIGN
CHECKED BY	08/17/2015	90% DESIGN
IN CHARGE		
DATE	08-11-2025	



**COWBOY CROSSING
 RESTORATION OVERVIEW
 EUER VALLEY PHASE 2 RESTORATION**

NEVADA COUNTY, CALIFORNIA

PROJECT NUMBER
 233095
 SCALE (AT 22" X 34")
 1" = 50'
 SHEET
3.2.1



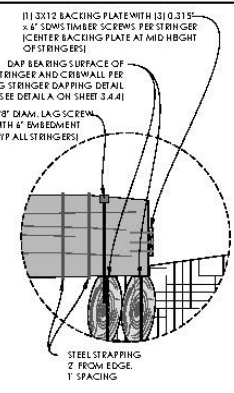
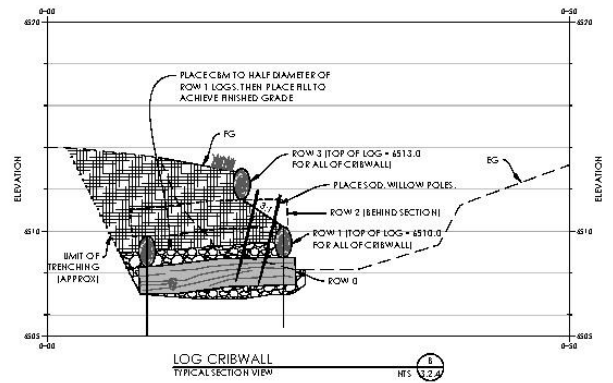
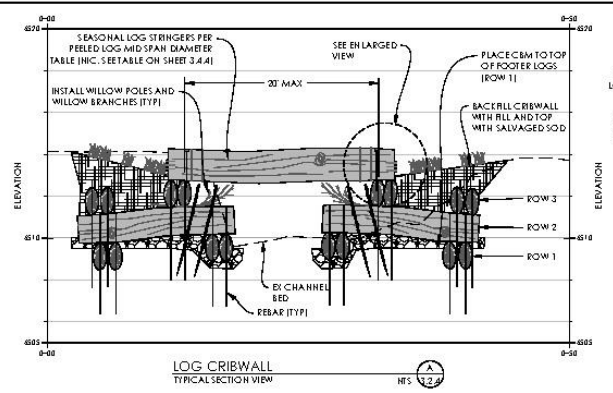
Balance Hydrologics, Inc.
 10200 Donner Pass Road, Suite 81
 Truckee, CA 96161
 tel: (530) 599-9778
 www.balancehydrologics.com

DESIGNED BY	DATE	SUBMITTALS / REVISIONS
DRAWN BY	12/03/21	30% DESIGN
PL E.C.E.	04/13/22	50% DESIGN
CHECKED BY	04/17/22	90% DESIGN
IN CHARGE		
DATE	08-11-2025	

NOT FOR CONSTRUCTION

**SOUTH FORK PROSSER CREEK
 DETAIL VIEWS
 EVER VALLEY PHASE 2 RESTORATION**
 NEVADA COUNTY, CALIFORNIA

PROJECT NUMBER: 230395
 SCALE (AT 22" X 34") AS SHOWN
3.2.2
 SHEET



LOG CRIBWALL NOTES:

1. MATERIALS
 - 1.1. LOGS SHALL BE AS DESCRIBED IN THE MATERIALS GENERAL NOTES (SHEET 4.3). ALL LOGS SHALL BE A MINIMUM 12" DIAMETER AND 24" MAXIMUM DIAMETER MEASURED AT BOTH CUT ENDS. LOGS SHALL BE CUT TO ACHIEVE THE DIMENSIONS AND ELEVATIONS SHOWN ON THE PLANS AND TRIMMED TO CONFORM TO RFD. PER THE DIRECTION OF THE ENGINEER'S REPRESENTATIVE. IN GENERAL LOGS VARY FROM 8' TO 22' LONG. CBM AND REBAR SHALL BE AS DESCRIBED IN THE MATERIALS GENERAL NOTES (SHEET 4.3).
 - 1.2. WILLOW POLES SHALL BE AS DESCRIBED IN THE REVEGETATION NOTES (SHEET 5.0)
2. EXECUTION
 - 2.1. THE CONTRACTOR SHALL INVOLVE THE ENGINEER'S REPRESENTATIVE DURING PLACEMENT OF THE FIRST COURSE OF LOGS SUCH THAT SPECIFIC CONSTRUCTION METHODS AND TOLERANCES ARE AGREED UPON.
 - 2.2. EXCAVATE TO THE SUBGRADE ACCORDING TO THE GRADES AND DIMENSIONS INDICATED ON THE DRAWINGS. MINIMIZE EXCAVATION DISTURBANCE FOR THE FOOTER LOGS (FROM 0 OR ROW 1) BY DIGGING A TRENCH JUST LARGE ENOUGH TO ACCEPT THE LOGS.
 - 2.3. CAREFULLY PLACE EACH LOG SHALL MAKE RRM CONTACT WITH ADJACENT LOGS, OR AS SHOWN IN THE DRAWINGS. STRIP BAR AT ALL CONTACT POINTS BETWEEN LOGS SO THERE IS RRM WOOD-ON-WOOD CONTACT.
 - 2.4. BACKFILL THE CRIBWALL WITH CBM OR SOD TO THE DIMENSIONS AND ELEVATIONS SHOWN. BACKFILLING SHALL BE DONE IN 12" COURSES INCLUDING HYDROJETTING FOR CBM LAYERS TO RILL ALL VOIDS TO THE EXTENT PRACTICABLE. PLACE THE MATERIAL CAREFULLY TO AVOID DAMAGING LOG MEMBERS OF THE CRIBWALL. IF IN THE OPINION OF THE ENGINEER'S REPRESENTATIVE LOG MEMBERS OF THE CRIBWALL ARE DAMAGED DURING BACKFILLING, THOSE LOG MEMBERS SHALL BE REPLACED PRIOR TO PROCEEDING AND AT NO ADDITIONAL COST TO THE CLIENT.
 - 2.5. INSTALL COURSES OF WILLOW MATERIAL CONCURRENT WITH THE RESPECTIVE ROW'S OF LOGS AND BACKFILL. THE CUT ENDS OF THE WILLOW BRANCHES SHALL BE INSTALLED AS DEEP AS PRACTICABLE. THE ELEVATION OF THE BESTING HEADWIGS IS A IDEAL MINIMUM TARGET ELEVATION FOR THE CUT ENDS OF THE WILLOW BRANCHES.
 - 2.6. PERFORM FINISH GRADING AS SHOWN ON THE DRAWINGS AND AS DESCRIBED IN THE EARTHWORK NOTES.

Balance Hydrologics, Inc.
 1020 Dorrer Park Road, Suite B1
 Truckee, CA 96161
 tel: (530) 599-9778
 www.balancehydro.com

DESIGNED BY	DATE	BY	SUBMITTALS / REVISIONS
DRAWN BY	12/18/23	ML	30% DESIGN
CHECKED BY	04/13/24	ML	50% DESIGN
IN CHARGE	04/12/24	ML	90% DESIGN
DATE			
DATE	08-11-2025		

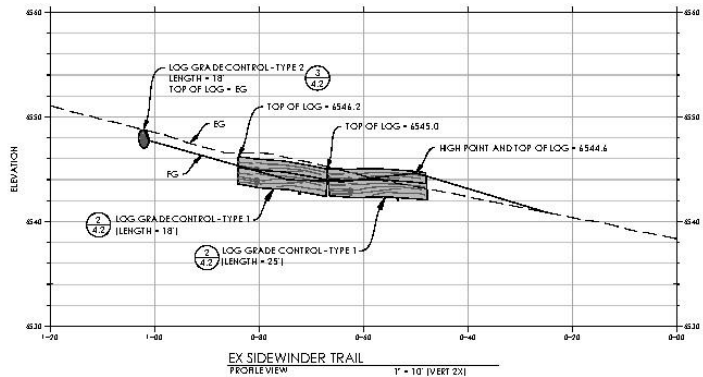
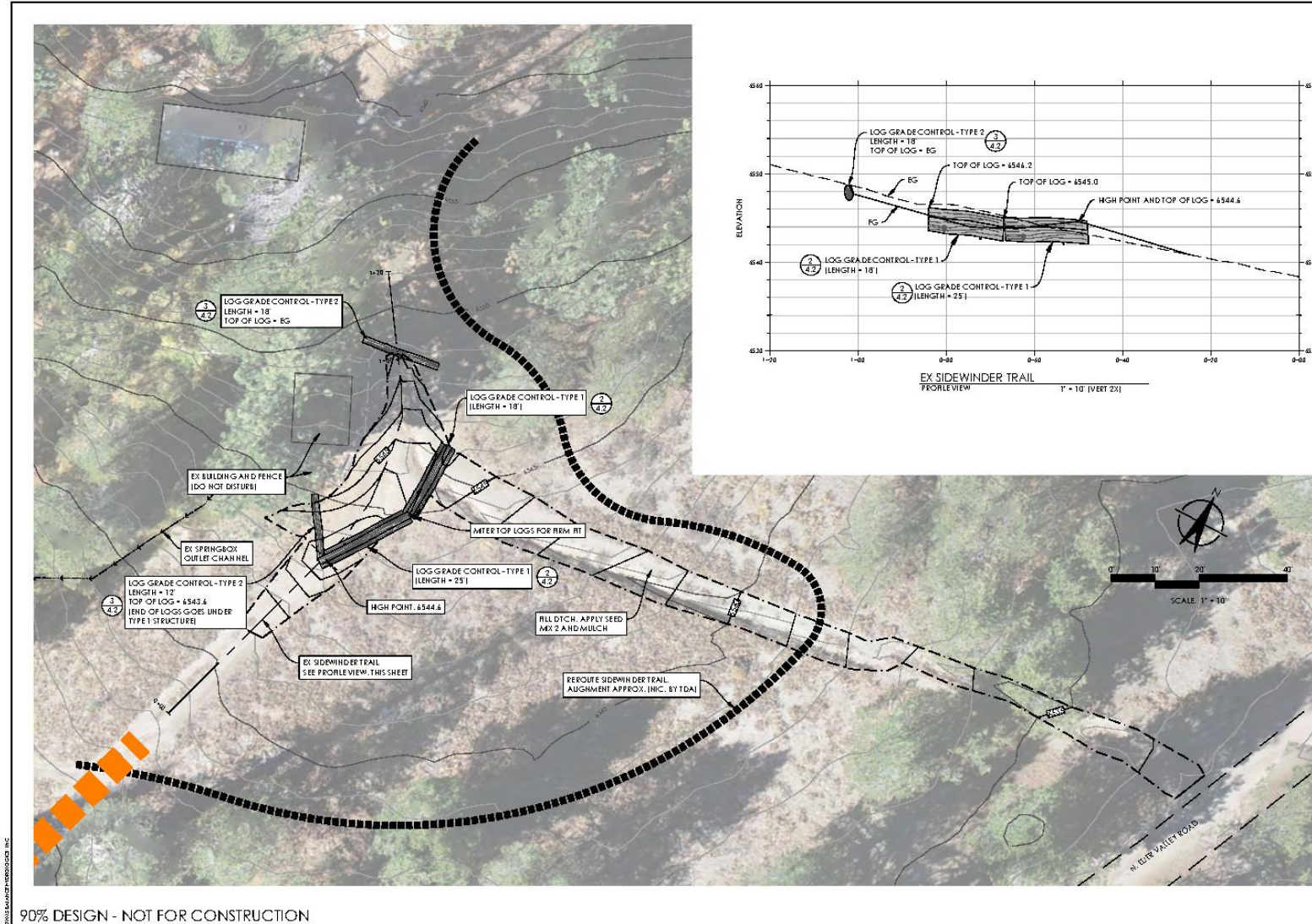
NOT FOR CONSTRUCTION

COWBOY CRIBWALL
 DETAIL VIEWS

EJER VALLEY PHASE 2 RESTORATION

NEVADA COUNTY, CALIFORNIA

PROJECT NUMBER	23095
SCALE (AT 22" X 34")	1" = 10'
SHEET	3.2.4



90% DESIGN - NOT FOR CONSTRUCTION

Balance Hydrologics, Inc.
 8020 Dunes Park Road, Suite B1
 Truckee, CA 96161
 www.balancehydrologics.com

DESIGNED BY	DATE	BY	SUBMITTALS / REVISIONS
DRAWN BY	12/03/2011	ML	30% DESIGN
CHECKED BY	03/01/2012	ML	50% DESIGN
IN CHARGE	08/17/2011	ML	90% DESIGN
DATE			
DATE	08-11-2025		

NOT FOR CONSTRUCTION

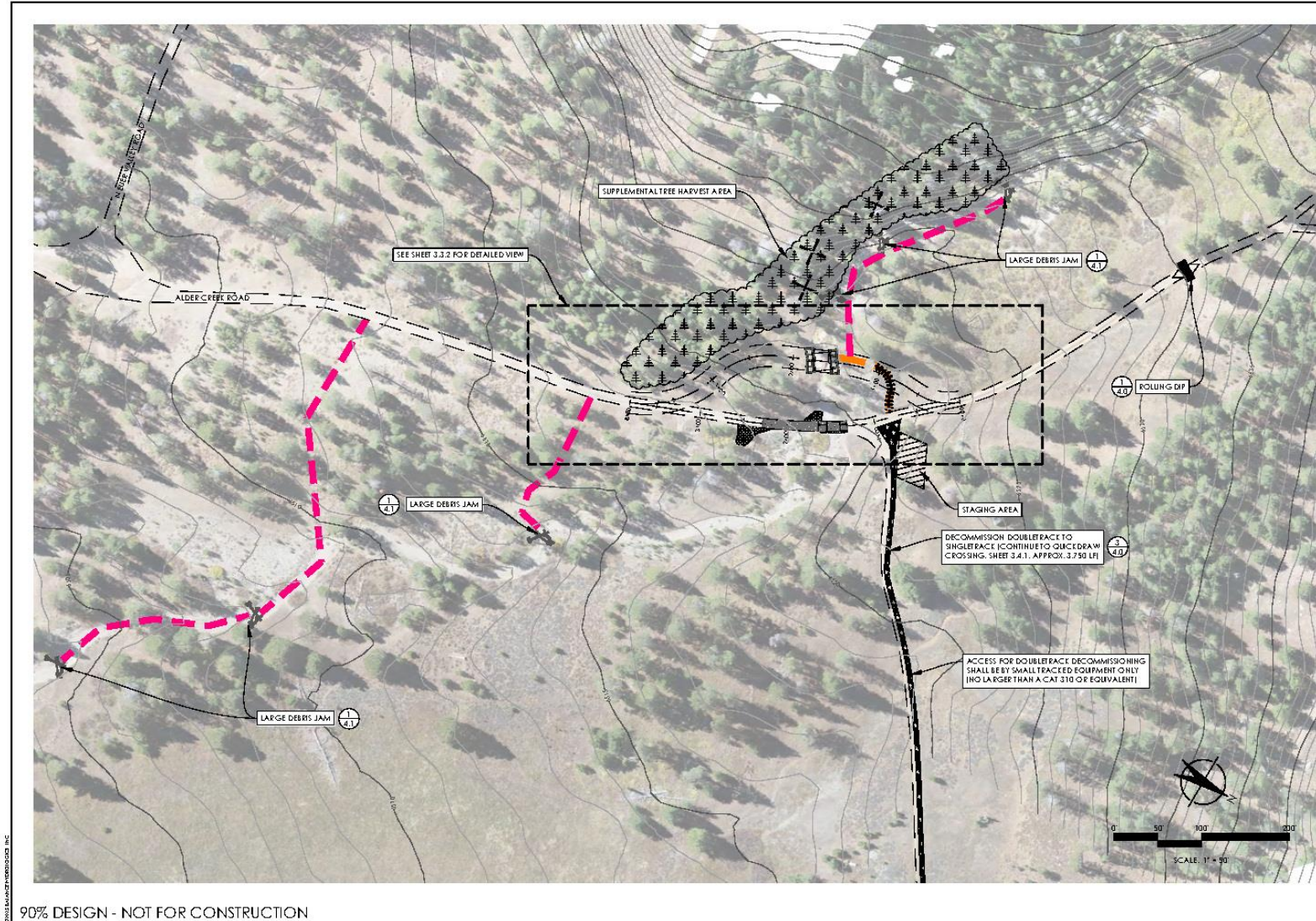
**SIDWINDER TRAIL DRAINAGE
 DETAIL VIEWS
 EUER VALLEY PHASE 2 RESTORATION**

NEVADA COUNTY, CALIFORNIA

PROJECT NUMBER
 23095

SCALE (AT 22" X 34")
 1" = 10'
 SHEET

3.2.5



90% DESIGN - NOT FOR CONSTRUCTION

Balance Hydrologics, Inc.
 1020 Donner Pass Road, Suite B1
 Truckee, CA 96161
 tel: (530) 589-9778
 www.balancehydro.com

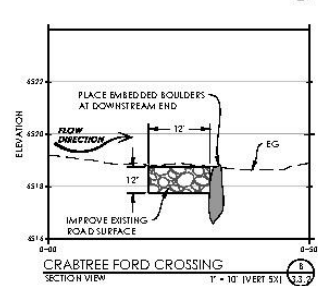
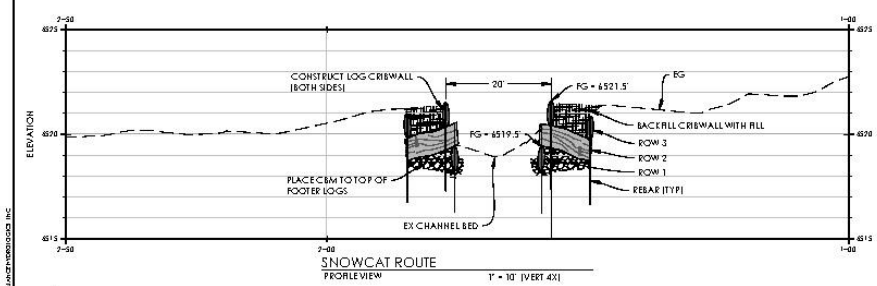
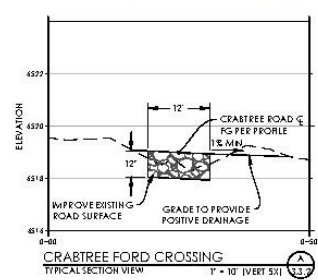
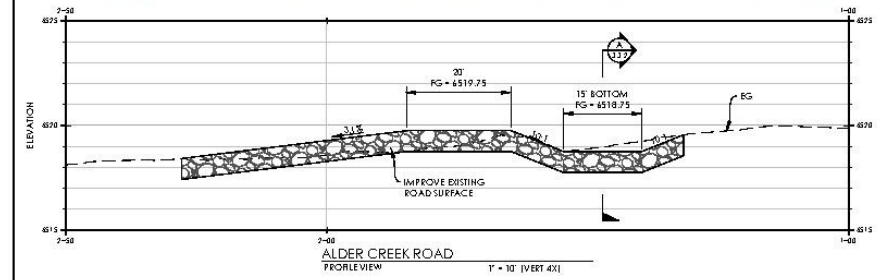
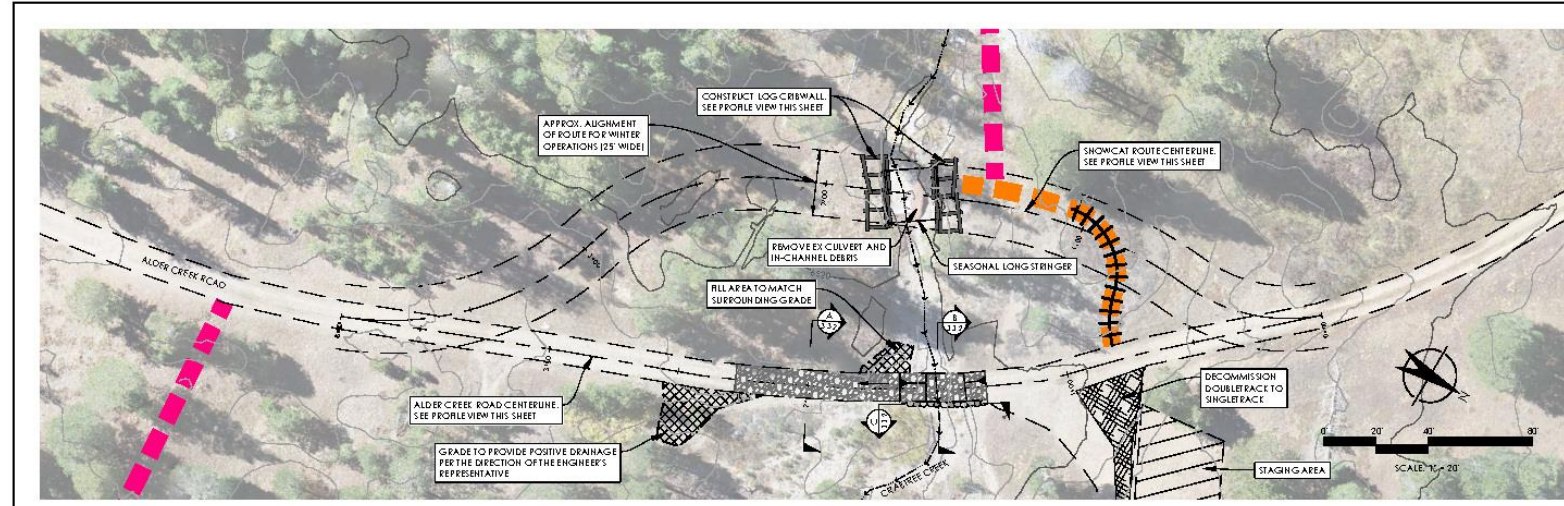
DESIGNED BY	DATE	BY	SUBMITTALS / REVISIONS
DRAWN BY	12/18/23	JK	30% DESIGN
PL & CE	03/13/24	JK	50% DESIGN
CHECKED BY	08/17/25	JK	90% DESIGN
IN CHARGE			
DATE	08-11-2025		

NOT FOR
CONSTRUCTION

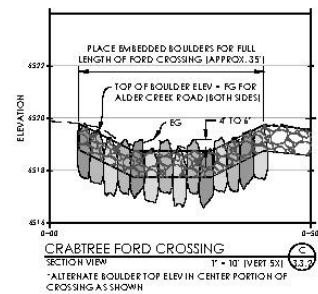
**CRABTREE CREEK
 RESTORATION OVERVIEW
 EVER VALLEY PHASE 2 RESTORATION**

NEVADA COUNTY, CALIFORNIA

PROJECT NUMBER 23095
SCALE (AT 22" X 34") 1" = 50' SHEET
3.3.1



- ROAD IMPROVEMENT NOTES:**
1. EXCAVATE TO 12" BELOW FG AND STOCKPILE THE EXISTING ROAD MATERIAL.
 2. MIX THE EXISTING ROAD MATERIAL WITH AN APPROXIMATELY EQUAL VOLUME OF 3" TO 4" ANGULAR ROCK.
 3. PLACE THE MIXTURE TO ACHIEVE THE GRADES SHOWN ON THE PLANS.
 4. FILL GAPS TO ELIMINATE SEAMS ALONG THE EDGES OF THE IMPROVED ROAD SURFACE AND TO PROVIDE POSITIVE DRAINAGE.
 5. DISPLACED MATERIAL SHALL BE OFF-HAULED OR REUSED AS FILL ELSEWHERE BUT MAY NOT BE USED TO ACHIEVE THE TOP 12" BELOW FINISHED GRADE WHERE REVEGETATION IS SPECIFIED.
 6. SOIL DISTURBED ALONG THE EDGES OF ROAD IMPROVEMENT AREAS SHALL BE REVEGETATED WITH SEED MIX 2 AND MULCHED.



Balance Hydrologics, Inc.
 1020 Donner Pass Road, Suite 81
 Truckee, CA 96161
 Tel: (530) 589-9778
 www.balancehydro.com

DESIGNED BY	DATE	BY	SUBMITTALS / REVISIONS
DRAWN BY	12/18/23	ML	30% DESIGN
CHECKED BY	04/13/24	ML	50% DESIGN
IN CHARGE	04/12/24	ML	90% DESIGN
DATE			
DATE	08-11-2025		

NOT FOR CONSTRUCTION

**CRABTREE CREEK
 ROAD CROSSING DETAIL VIEWS
 EUER VALLEY PHASE 2 RESTORATION**

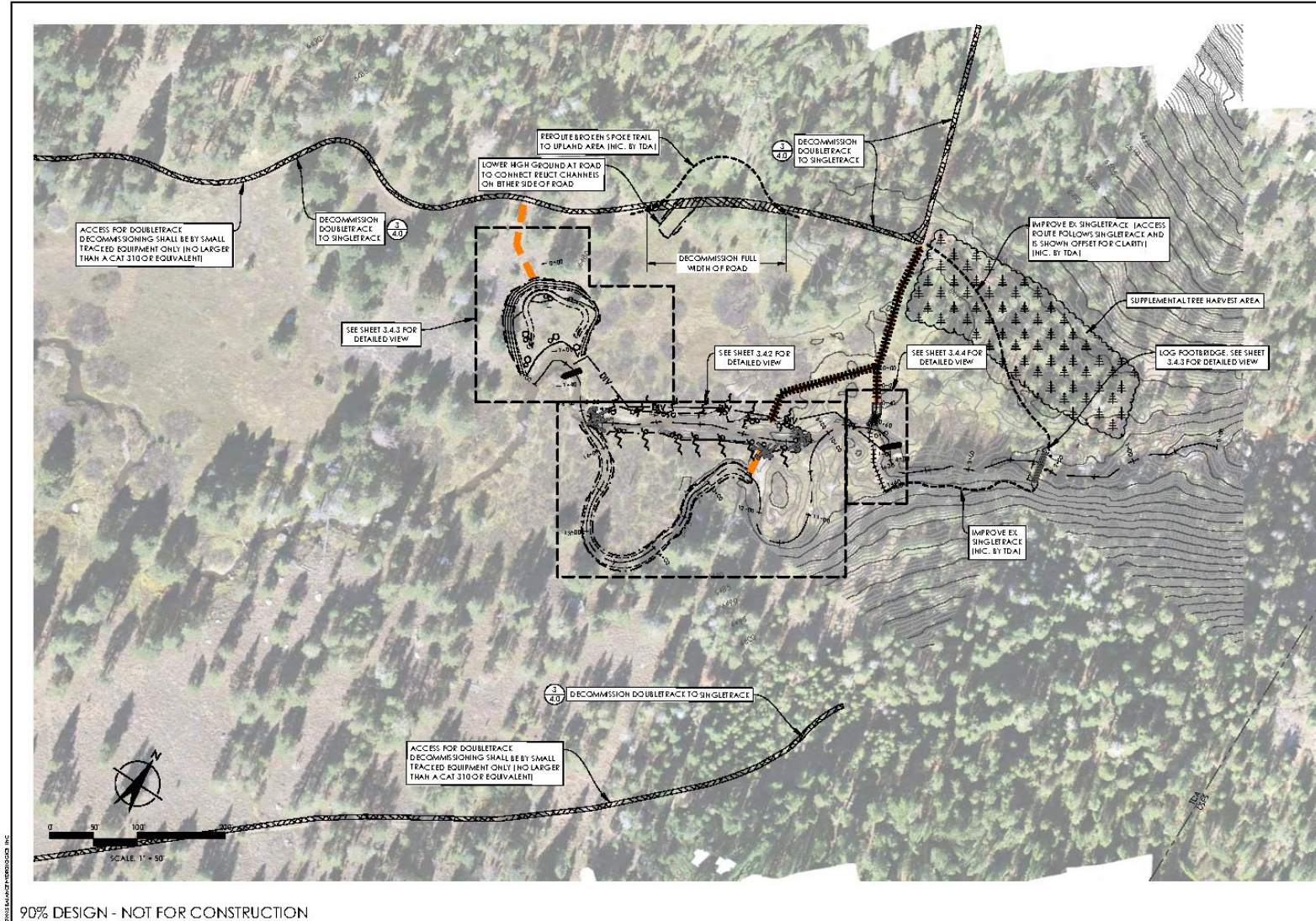
NEVADA COUNTY, CALIFORNIA

PROJECT NUMBER
 23095

SCALE (AT 22" X 34")
 AS SHOWN
 SHEET

3.3.2

90% DESIGN - NOT FOR CONSTRUCTION

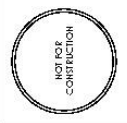


90% DESIGN - NOT FOR CONSTRUCTION



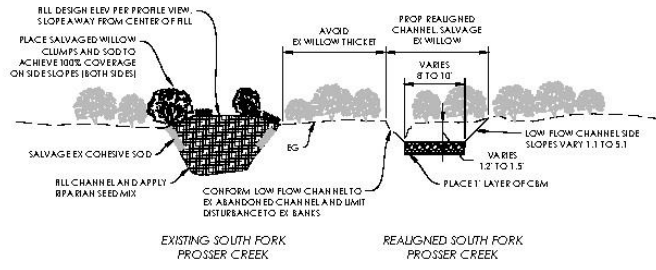
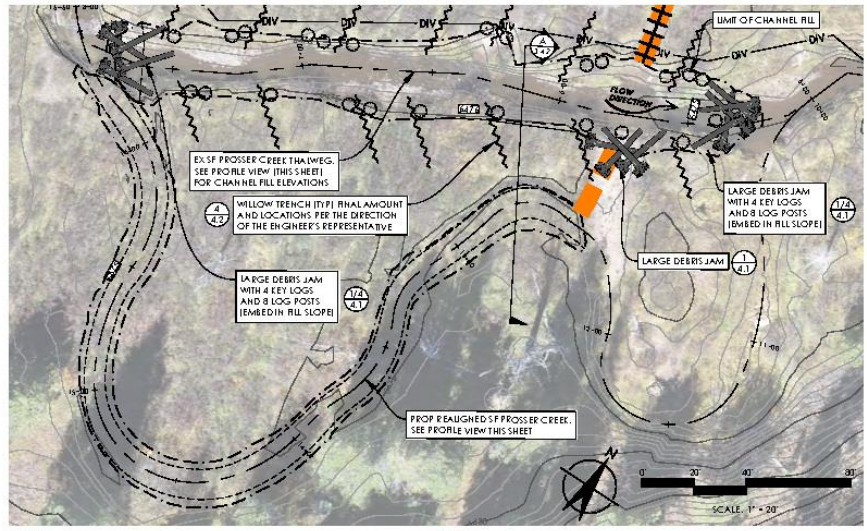
0200 Donner Pass Road, Suite B1
 Truckee, CA 96161
 tel: (530) 589-9778
 www.balancehydro.com

DESIGNED BY	DATE	BY	SUBMITTALS / REVISIONS
DRAWN BY	12/28/23	JK	30% DESIGN
CHECKED BY	03/13/24	JK	50% DESIGN
IN CHARGE	08/17/23	JK	90% DESIGN
DATE			
DATE	08-11-2025		

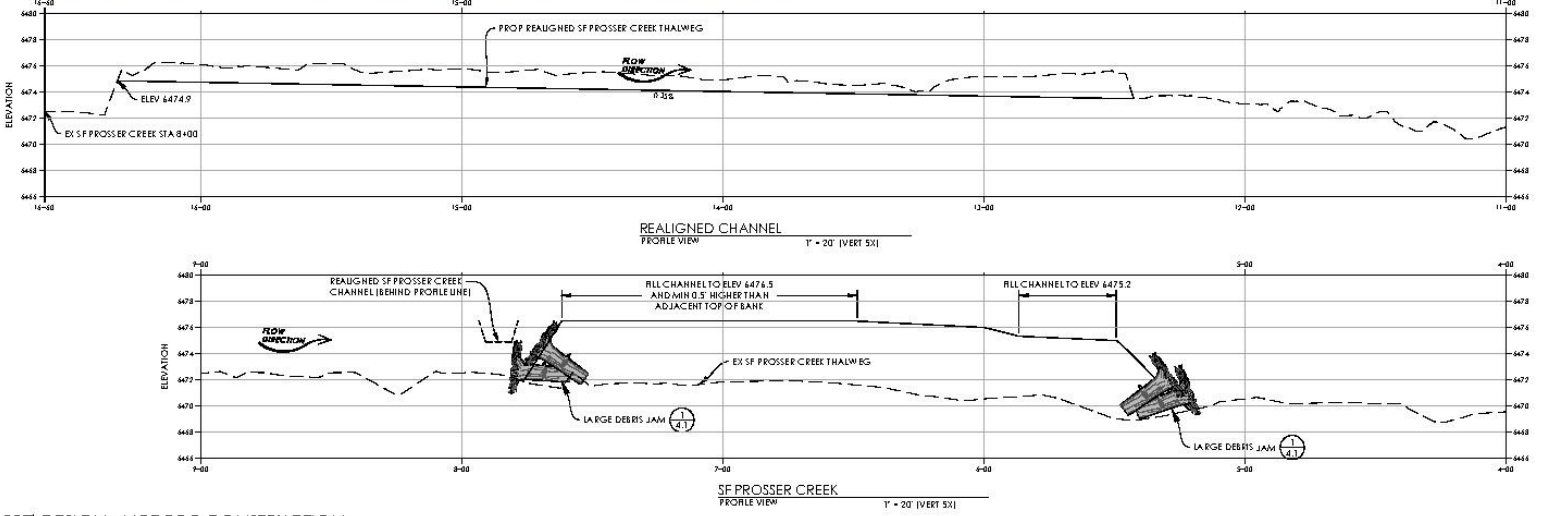


**QUICKDRAW CROSSING
 RESTORATION OVERVIEW**
 EVER VALLEY PHASE 2 RESTORATION
 NEVADA COUNTY, CALIFORNIA

PROJECT NUMBER
 23095
 SCALE (AT 22" X 34")
 1" = 50'
 SHEET
3.4.1



- NOTES:
1. THE ENGINEER'S REPRESENTATIVE SHALL EVALUATE THE NATIVE SOILS AT THE ELEVATION OF THE CHANNEL INVERT PRIOR TO OVEREXCAVATION FOR THE CBM LAYER. IF IN THE OPINION OF THE ENGINEER'S REPRESENTATIVE, THE NATIVE SOILS ARE COMPATIBLE TO THE CBM SPECIFICATION, THE CONTRACTOR MAY OMIT THE CBM LAYER.
 2. SALVAGE ALL SOD AND SODS FROM WITHIN THE GRADING LIMITS FOR THE REALIGNED CHANNEL AND EXISTING SF PROSSER CREEK. PER THE NOTES ON SHEET 3.0.
 3. THE CONTRACTOR MAY (AT THEIR DISCRETION) SALVAGE RIVERBED MATERIAL FROM WITHIN THE GRADING LIMITS FOR SF PROSSER CREEK FOR REUSE AS CBM.
 4. THE CONTRACTOR SHALL HARVEST ALL WILLOW CLUMPS FROM WITHIN GRADING LIMITS SHOWN ON THIS SHEET FOR TRANSPLANTING WITHIN THE SAME AREAS PER THE DIRECTION OF THE ENGINEER'S REPRESENTATIVE.
 5. PLACE SEED MIX 1" ON ALL PG SURFACES SHOWN ON THIS SHEET (EXCEPT THE BOTTOM OF THE REALIGNED CHANNEL).



90% DESIGN - NOT FOR CONSTRUCTION

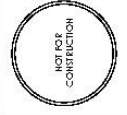
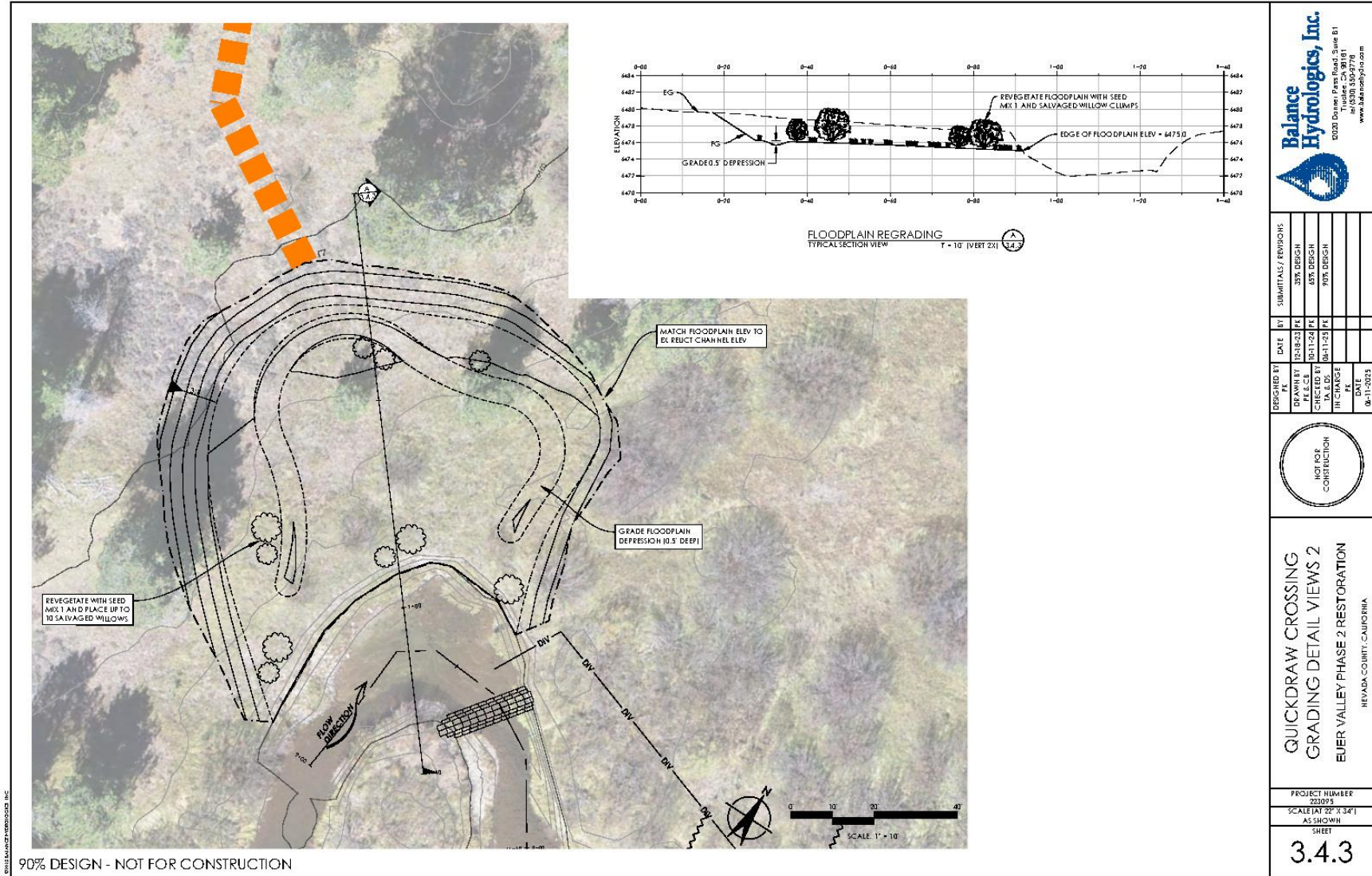


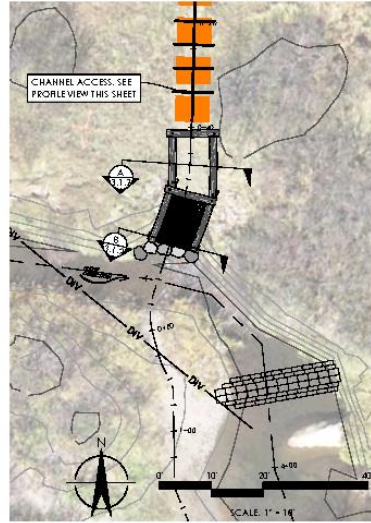
DESIGNED BY	DATE	SUBMITTALS / REVISIONS
DRAWN BY	DATE	30% DESIGN
PL E.C.E.	DATE	50% DESIGN
CHECKED BY	DATE	90% DESIGN
IN CHARGE	DATE	
DATE	DATE	
	08-11-2025	



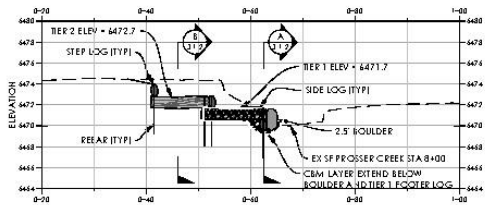
QUICKDRAW CROSSING
 GRADING DETAIL VIEWS 1
 EUER VALLEY PHASE 2 RESTORATION
 NEVADA COUNTY, CALIFORNIA

PROJECT NUMBER
 23095
 SCALE (AT 22" X 34")
 AS SHOWN
 SHEET
3.4.2





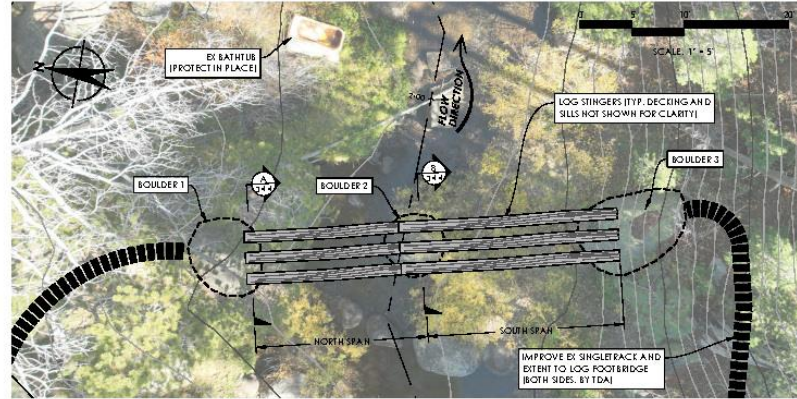
CHANNEL ACCESS
PLAN VIEW



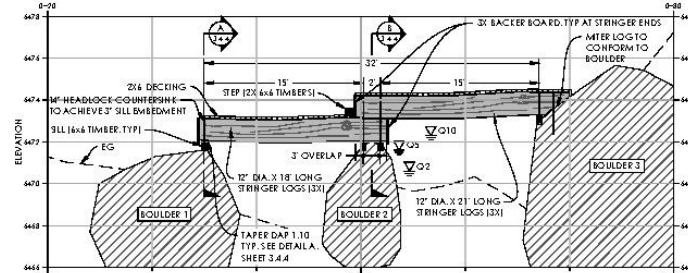
CHANNEL ACCESS
PROFILE VIEW

REFER TO NOTES ON SHEET 3.1.2 FOR MATERIALS AND INSTALLATION SPECIFICATIONS

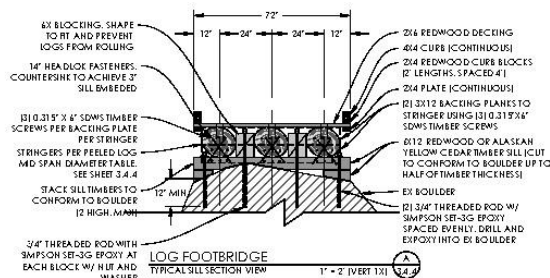
90% DESIGN - NOT FOR CONSTRUCTION



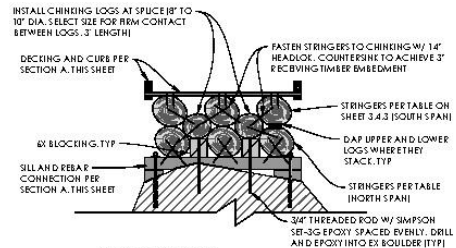
LOG FOOTBRIDGE
PLAN VIEW



LOG FOOTBRIDGE
PROFILE VIEW



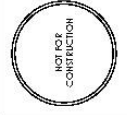
LOG FOOTBRIDGE
TYPICAL SILL SECTION VIEW



LOG FOOTBRIDGE
SPICE SECTION VIEW

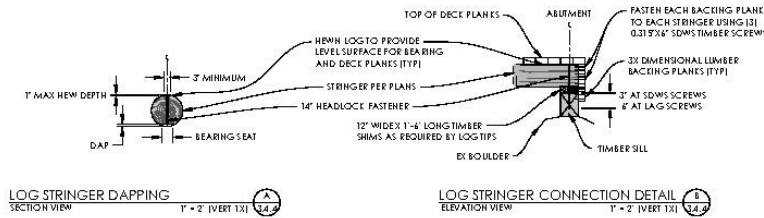


DESIGNED BY	DATE	BY	SUBMITTALS / REVISIONS
DRAWN BY	12/18/21	ML	30% DESIGN
CHECKED BY	03/13/22	ML	50% DESIGN
IN CHARGE	08/17/23	ML	90% DESIGN
DATE			
DATE	08-11-2025		



QUICKDRAW CROSSING
TRAIL DETAILS
EUER VALLEY PHASE 2 RESTORATION
NEVADA COUNTY, CALIFORNIA

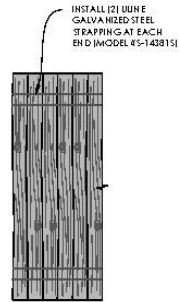
PROJECT NUMBER
23095
SCALE (AT 22" X 34")
AS SHOWN
SHEET
3.4.4



LOG STRINGER BRIDGE ABUTENT CONNECTION DETAILS

NOTES:

1. MAXIMUM DEPTH OF DAP SHALL NOT EXCEED 10 PERCENT OF LOG DIAMETER OR 2-INCHES
2. TIMBER SILL CAN BE EITHER 12" X 12" SQUID SAWN, BUILT-UP 3" X 12", 4" X 12", & 4" X 12" REDWOOD OR ALASKAN YELLOW CEDAR.



SEASONAL LOG STRINGER DECK
 PARTIAL PLAN VIEW

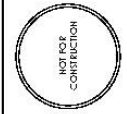
STRINGERS SPECIFICATIONS:

1. FRAMING LUMBER
 - 1.1. STANDARDS:
 - 1.1.1. EACH PIECE SHALL BEAR THE GRADE TRADEMARK OF AN AGENCY ACCREDITED BY THE AMERICAN LUMBER STANDARD COMMITTEE (ALSC) TO GRADE UNDER ALSO CERTIFIED GRADING RULES.
 - 1.1.2. DRESS LUMBER S4S, UNLESS OTHERWISE INDICATED.
 - 1.1.3. ALL NEW FRAMING LUMBER SHALL HAVE 19% MAXIMUM MOISTURE CONTENT AT TIME OF INSTALLATION AND FABRICATION.
 - 1.2. SPECIES AND GRADE (BASE DESIGN VALUE)
 - 2.1. 2X DECKING AND CURB USE: REDWOOD/ NO. 2 (Fb = 725 PSI, Fc = 700 PSI)
 - 2.2. 4X SILL AND BLOCKING USE: REDWOOD/ NO. 1 (Fb = 950 PSI, Fc = 800 PSI) OR ALASKAN YELLOW CEDAR/ NO. 1 (Fb = 1150 PSI, Fc = 775 PSI)
2. FRAMING FASTENERS
 - 3.1. SHALL HAVE ICC APPROVAL AND BE MANUFACTURED BY FASTENMASTER COMPANY (HEADLOCK), SIMPSON STRONG-TIE, INC. (SDWS), OR PRE-APPROVED EQUAL. INSTALL PER MANUFACTURER, AND AS INDICATED ON DRAWINGS.
3. LAG SCREWS
 - 4.1. LAG SCREWS TO BE HOT-DIP GALVANIZED. PROVIDE ADEQUATE LENGTH TO ACHIEVE EMBED LENGTH TO EACH END MEMBER SHOWN ON PLANS. PRE-BORE LAG SCREW HOLES USING TWO DIAMETERS, ONE FOR THE SHANK AND ONE FOR THE THREADS. THE LEAD HOLE FOR THE SHANK IS TO BE EQUAL TO THE DIAMETER OF THE SHANK. THE LEAD HOLE FOR THE THREADED PORTION IS TO BE 70% OF THE SCREW DIAMETER SHOWN ON THE PLANS AND BORED AT LEAST TO THE LENGTH OF THE THREADS. DO NOT DRIVE THE LAG SCREWS WITH A HAMMER.
4. STEEL STRAPPING
 - 5.1. STEEL STRAPPING SHALL BE 1-1/4" WIDTH AND GALVANIZED. MINIMUM BREAK STRENGTH IS 5,500 LBS. INSTALL PER MANUFACTURER USING HIGH TENSILE STEEL STRAPPING TENSIONER AND HIGH TENSILE STEEL STRAPPING SALKER. SALKER'S TO BE GALVANIZED.
5. STRINGER LOGS DIMENSIONS SHALL FOLLOW THE PEELLED LOG MID SPAN DIAMETER TABLE AS FOLLOWS.

	Peeled Log Minimum Mid Span Diameter (in)	
Tree Species	Pedestrian Foot Bridge - 15' Span	Snowcat Bridge - 20' Span
Sugar Pine	13.5	16.5
Ponderosa Pine	13.5	16.5
Jeffrey Pine	13.5	16.5
Incense Cedar	14.0	17.0
Douglas Fir	13.5	16.5
White Fir	13.5	16.5
Red Fir	13.5	16.5
Lodgepole Pine	13.5	16.5



DESIGNED BY	DATE	BY	DATE	REVISIONS
DRAWN BY	DATE	BY	DATE	
CHECKED BY	DATE	BY	DATE	
IN CHARGE	DATE	BY	DATE	



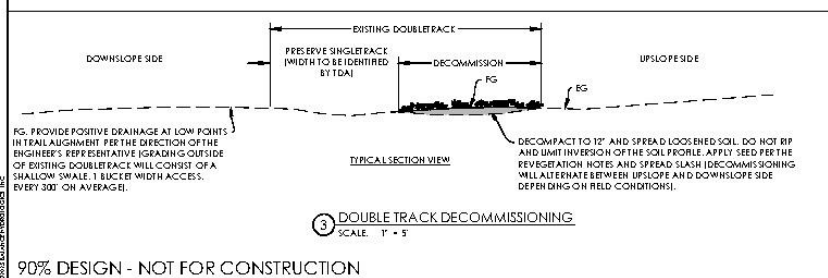
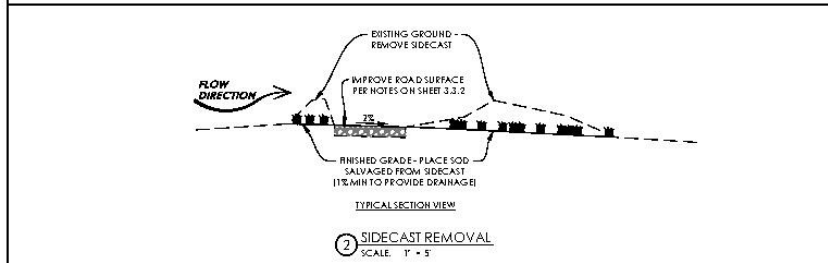
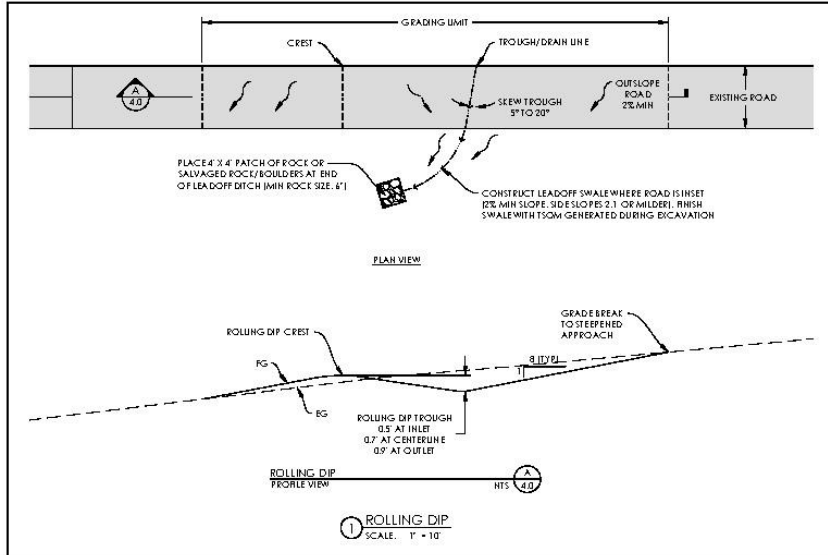
QUICKDRAW CROSSING
 LOG STRINGER DETAILS
 EUER VALLEY PHASE 2 RESTORATION
 NEVADA COUNTY, CALIFORNIA

PROJECT NUMBER
 23095
 SCALE (AT 22" X 34")
 AS SHOWN
 SHEET

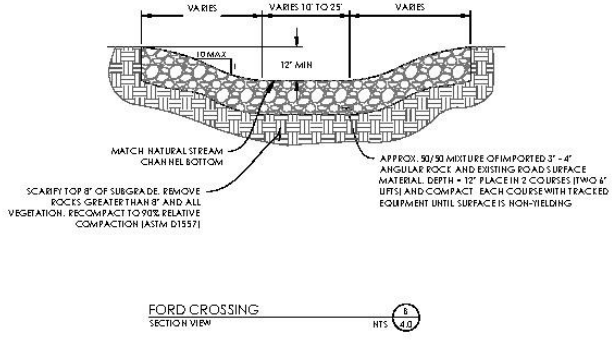
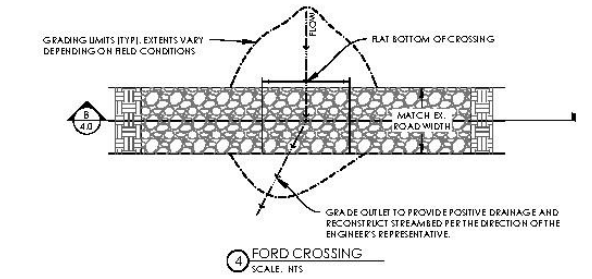
3.4.5

©2015 BALANCE HYDROLOGICS, INC.

90% DESIGN - NOT FOR CONSTRUCTION



90% DESIGN - NOT FOR CONSTRUCTION

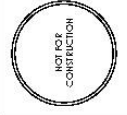


FORD CROSSING NOTES:

1. 3' - 4' ANGULAR ROCK
 - 1.1. ROCK SHALL CONSIST OF HARD, DURABLE (DURABILITY IND.BI OF 40 OR GREATER), ANGULAR, CLEAN STONE RANGING FROM 3 INCHES TO 4 INCHES IN DIAMETER (MEASURED ON THE INT. AXIS).
 - 1.2. ROCK MUST BE CLEAR FROM ORGANIC MATERIAL, CLAY BALLS, OR OTHER DELETERIOUS SUBSTANCES.
 - 1.3. SPECIFIC GRAVITY SHALL BE AT LEAST 2.5.
 - 1.4. FINE MATERIAL PASSING THE #200 SIEVE SHALL ACCOUNT FOR NO MORE THAN 3% OF THE ROCK PRODUCT (BY WEIGHT).

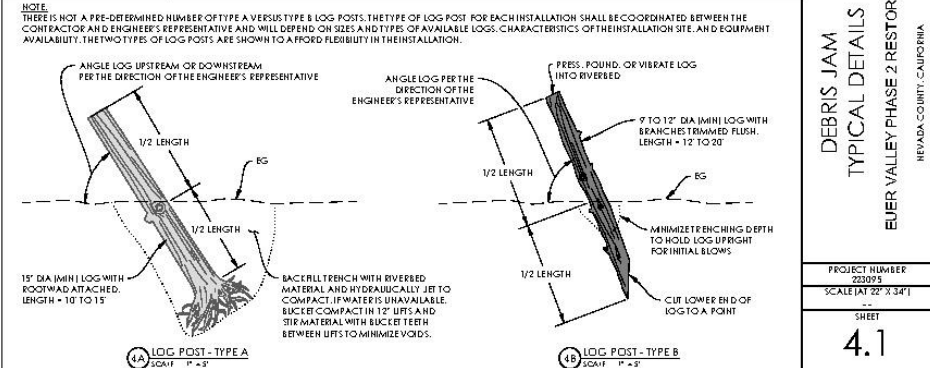
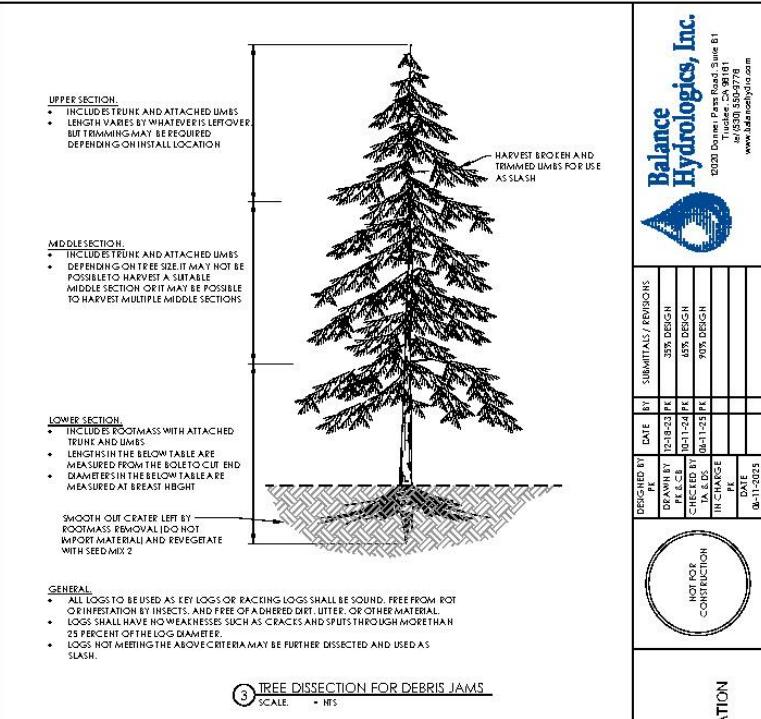
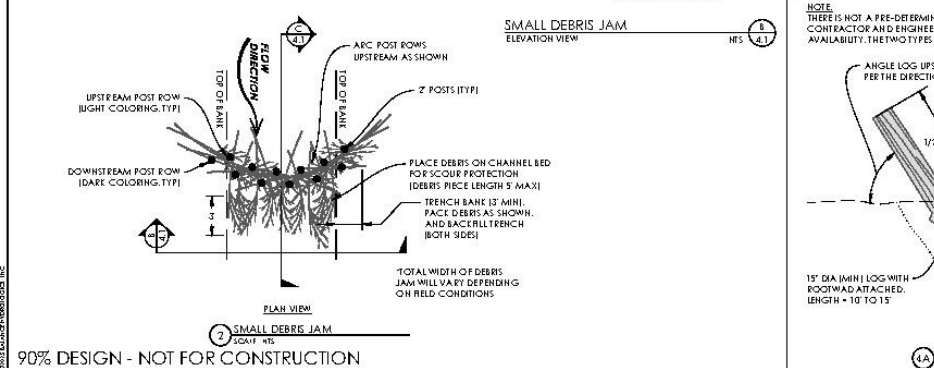
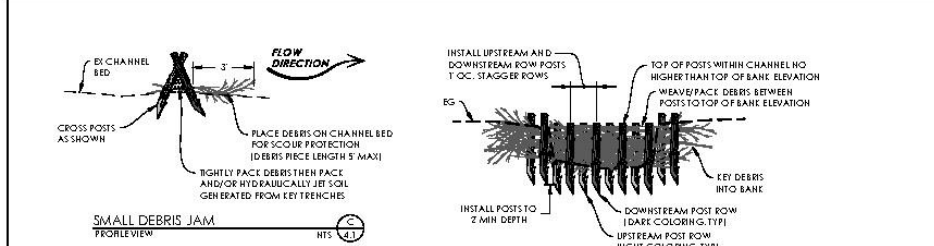
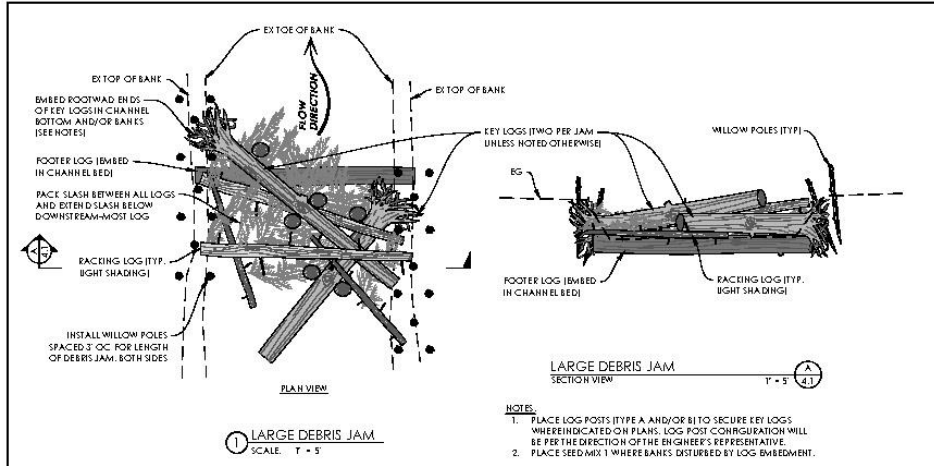


DESIGNED BY	DATE	BY	SUBMITTALS / REVISIONS
DRAWN BY	12/18/23	ML	30% DESIGN
CHECKED BY	04/11/24	ML	50% DESIGN
IN CHARGE	04/11/24	ML	90% DESIGN
DATE	08-11-2025		



ROAD TREATMENT
 TYPICAL DETAILS
 EUER VALLEY PHASE 2 RESTORATION
 NEVADA COUNTY, CALIFORNIA

PROJECT NUMBER
 23095
 SCALE (AT 22" X 34")
 SHEET
4.0



Balance Hydrologics, Inc.
 1020 Donner Pass Road, Suite B1
 Truckee, CA 96161
 Tel: (530) 599-9778
 www.balancehydrologics.com

DESIGNED BY	DATE	SUBMITTALS / REVISIONS
DRAWN BY	DATE	NO. / DESCRIPTION
CHECKED BY	DATE	NO. / DESCRIPTION
IN CHARGE	DATE	NO. / DESCRIPTION
DATE		

DESIGNED BY: [] DATE: 08-11-2025

DRAWN BY: [] DATE: []

CHECKED BY: [] DATE: []

IN CHARGE: [] DATE: []

DATE: []

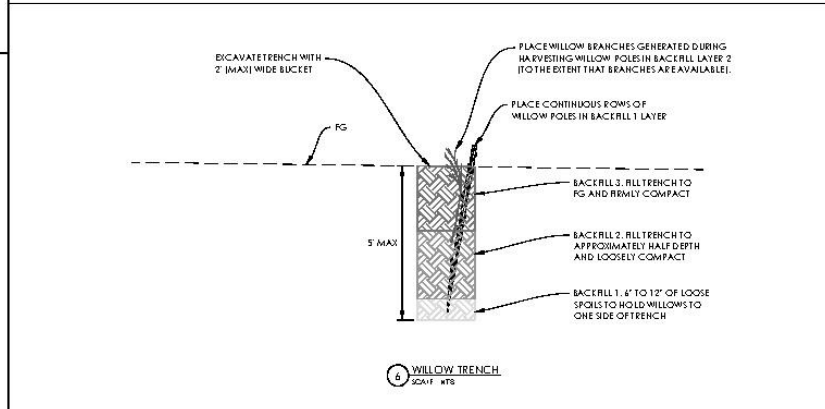
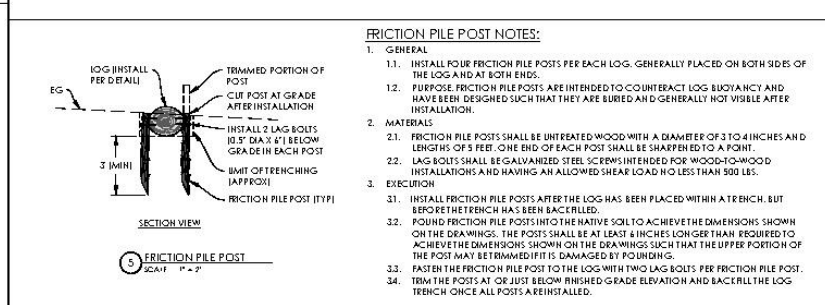
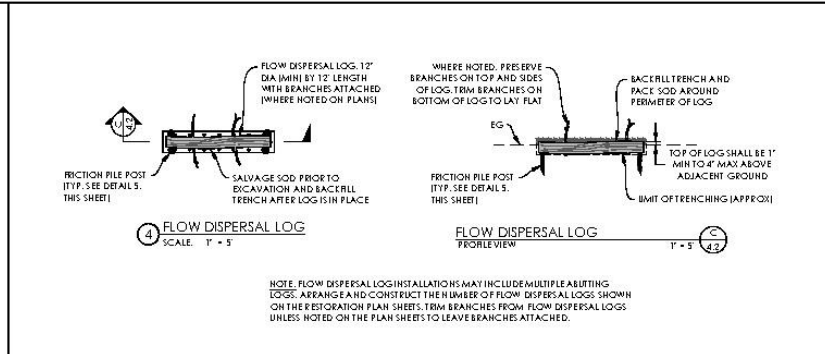
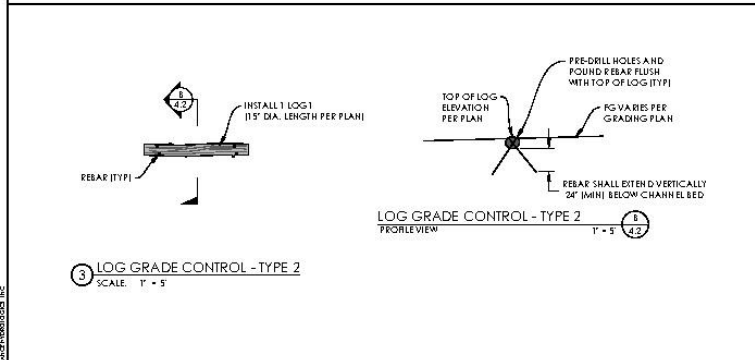
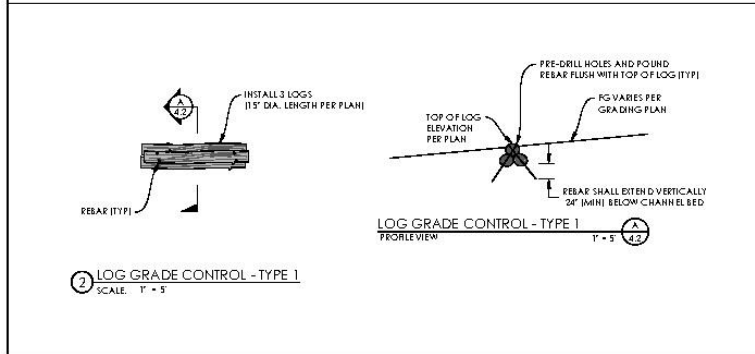
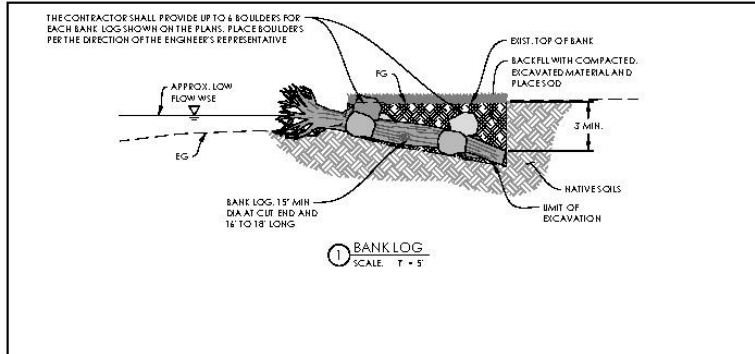
NOT FOR CONSTRUCTION

DEBRIS JAM TYPICAL DETAILS
 EVER VALLEY PHASE 2 RESTORATION
 NEVADA COUNTY, CALIFORNIA

PROJECT NUMBER: 23095
 SCALE: AT 22' X 34"
 SHEET: **4.1**

©2025 BALANCE HYDROLOGICS, INC.


90% DESIGN - NOT FOR CONSTRUCTION



NOTE: FLOW DISPERSAL LOG INSTALLATIONS MAY INCLUDE MULTIPLE ABUTTING LOGS. ARRANGE AND CONSTRUCT THE NUMBER OF FLOW DISPERSAL LOGS SHOWN ON THE RESTORATION PLAN SHEETS FROM FLOW DISPERSAL LOGS UNLESS NOTED ON THE PLAN SHEETS TO LEAVE BRANCHES ATTACHED.

FRICTION PILE POST NOTES:

1. GENERAL
 - 1.1. INSTALL FOUR FRICTION PILE POSTS PER EACH LOG. GENERALLY PLACED ON BOTH SIDES OF THE LOG AND AT BOTH ENDS.
 - 1.2. PURPOSE: FRICTION PILE POSTS ARE INTENDED TO COUNTERACT LOG BUOYANCY AND HAVE BEEN DESIGNED SUCH THAT THEY ARE BURIED AND GENERALLY NOT VISIBLE AFTER INSTALLATION.
2. MATERIALS
 - 2.1. FRICTION PILE POSTS SHALL BE UNTREATED WOOD WITH A DIAMETER OF 3 TO 4 INCHES AND LENGTHS OF 5 FEET. ONE END OF EACH POST SHALL BE SHARPENED TO A POINT.
 - 2.2. LAG BOLTS SHALL BE GALVANIZED STEEL SCREWS INTENDED FOR WOOD-TO-WOOD INSTALLATIONS AND HAVING AN ALLOWED SHEAR LOAD NO LESS THAN 500 LBS.
3. EXECUTION
 - 3.1. INSTALL FRICTION PILE POSTS AFTER THE LOG HAS BEEN PLACED WITHIN A TRENCH, BUT BEFORE THE TRENCH HAS BEEN BACERILLED.
 - 3.2. POUND FRICTION PILE POSTS INTO THE NATIVE SOIL TO ACHIEVE THE DIMENSIONS SHOWN ON THE DRAWINGS. THE POSTS SHALL BE AT LEAST 6 INCHES LONGER THAN REQUIRED TO ACHIEVE THE DIMENSIONS SHOWN ON THE DRAWINGS SUCH THAT THE UPPER PORTION OF THE POST MAY BE TRIMMED IF IT IS DAMAGED BY POUNDING.
 - 3.3. FASTEN THE FRICTION PILE POST TO THE LOG WITH TWO LAG BOLTS PER FRICTION PILE POST.
 - 3.4. TRIM THE POSTS AT OR JUST BELOW FINISHED GRADE ELEVATION AND BACERILL THE LOG TRENCH ONCE ALL POSTS ARE REINSTALLED.



Balance Hydrologics, Inc.
 8020 Donner Pass Road, Suite B1
 Truckee, CA 96161
 tel: (530) 589-9778
 www.balancehydro.com

DESIGNED BY	DATE	SUBMITTALS / REVISIONS
DRAWN BY	DATE	30% DESIGN
CHECKED BY	DATE	50% DESIGN
IN CHARGE	DATE	90% DESIGN
DATE	DATE	
	08-11-2025	

NOT FOR CONSTRUCTION

LOG STRUCTURE TYPICAL DETAILS

EVER VALLEY PHASE 2 RESTORATION

NEVADA COUNTY, CALIFORNIA

PROJECT NUMBER 23095
SCALE (AT 22" X 34")
SHEET 4.2

90% DESIGN - NOT FOR CONSTRUCTION

MATERIALS GENERAL NOTES:

CONSTRUCTION MATERIALS SHALL COMPLY WITH THE FOLLOWING CRITERIA UNLESS OTHERWISE NOTED IN THESE DRAWINGS.

1. LOGS AND LOGS WITH ROOTWADS

- 1.1. LOGS WILL BE PROVIDED FROM SITES WITHIN EVER VALLEY IDENTIFIED BY TDA STAFF. A PORTION OF THE LOGS WILL BE HARVESTED BY TDA AND STOCKPILED NEAR STAGING AREAS FOR USE BY THE CONTRACTOR.
- 1.2. THE CONTRACTOR IS RESPONSIBLE FOR HARVESTING ADDITIONAL LOGS (BEYOND WHAT IS AVAILABLE IN THE PROVIDED STOCKPILE) AND TRANSPORTING TO INSTALL LOCATIONS. THE CONTRACTOR WILL HAVE AN OPPORTUNITY TO CONFIRM STOCKPILE QUANTITIES DURING A PRE-BID SITE TOUR.
- 1.3. LOGS SHALL BE SOUND, FREE FROM ROT OR INFESTATION BY INSECTS, AND FREE OF ADHERED DIRT, LITTER, OR OTHER MATERIAL.
- 1.4. LOGS SHALL HAVE NO WEAKNESSES SUCH AS CRACKS AND SPLITS THROUGH MORE THAN 25 PERCENT OF THE LOG DIAMETER.
- 1.5. LOGS SHALL BE GENERALLY STRAIGHT AND SHALL BE TRIMMED SO THAT BRANCHES ARE CUT FLUSH TO THE TRUNK.
- 1.6. CUTS SHALL BE SMOOTH, WITHOUT BREAKS OR JAGGED EDGES.
- 1.7. LOG DIAMETERS AND LENGTHS SHALL BE THE SIZES INDICATED ON THE PLANS. FOR LOGS WITH ROOTWADS, LENGTHS SHALL BE MEASURED FROM THE CUT END TO THE ROOTWAD NOLE.
- 1.8. LOGS WITH ROOTWADS SHALL BE TRIMMED SO THE ROOTWAD PART IS NO GREATER THAN 8 FEET IN DIAMETER. ROOTWADS SHALL BE THOROUGHLY WASHED AND FREE OF SOIL BEFORE DELIVERY TO THE INSTALLATION SITES.

2. BOULDERS

- 2.1. BOULDERS CAN BE COMPOSED OF A VARIETY OF ROCK TYPES TYPICALLY USED IN CONSTRUCTION SUCH AS GRANITE, GNEISS, QUARTZITE, BASALT, AND DIORITE. BOULDERS SHALL HAVE NO CRACKS, BEDDING PLANES, OR OTHER WEAKNESSES. BOULDERS SHALL NOT HAVE CRACKS FILLED, OR HEALED, WITH CALCIUM.
- 2.2. BOULDERS SHALL BE CLEAN SUBANGULAR TO ROUNDED ROCK. BLASTED OR ANGULAR ROCK WILL NOT BE ACCEPTED.
- 2.3. THE CONTRACTOR SHALL REPLACE BOULDERS NOT MEETING THESE SPECIFICATIONS OR BOULDERS BROKEN DURING DELIVERY OR HANDLING AT NO ADDITIONAL COST.
- 2.4. BOULDERS SHALL HAVE A MINIMUM OF 2.5" DIAMETER IN ALL DIMENSIONS AND SHALL WEIGH A MINIMUM OF 1 TON. BOULDERS NOT MEETING BOTH OF THESE CRITERIA WILL BE REJECTED BY THE ENGINEER'S REPRESENTATIVE.

3. ECB

- 3.1. ECB SHALL BE MADE OF COIR NETTING MADE OF COIR FIBER TWINE.
- 3.2. ECB SHALL HAVE A MINIMUM UNIT WEIGHT OF 2.0 OUNCES PER SQUARE YARD. BE RATED TO WITHSTAND FLOW VELOCITIES OF 8 FEET PER SECOND AND SHEER STRESS OF 3.0 LBS PER SQUARE FOOT, AND HAVE NO MORE THAN 40% OPEN AREA (70 OR 700 PRODUCT EQUIVALENT).
- 3.3. THE CONTRACTOR SHALL SUBMIT A PRODUCT SHEET TO THE ENGINEER'S REPRESENTATIVE FOR APPROVAL.
- 3.4. INSTALL THE ECB PER THE MANUFACTURER'S INSTRUCTIONS. IF A CONFLICT EXISTS BETWEEN THE CRITERIA HEREIN AND THE MANUFACTURER'S INSTRUCTIONS, CONTACT THE ENGINEER'S REPRESENTATIVE IMMEDIATELY.
- 3.5. OVERLAP SEAMS BY A MINIMUM OF 8 INCHES. MATS SHALL BE "SHINGLED" IN THE DOWNSTREAM DIRECTION.
- 3.6. SECURE ALL THE ENDS OF ROLLS (SHORT EDGES) AS SHOWN IN DETAIL 1. THIS SHEET AND BY DETAIL VIEWS WITHIN THE PLAN SHEETS.

4. STAKES

- 4.1. STAKES SHALL BE HARDWOOD STAKES OR AN EQUIVALENT BIODEGRADABLE PRODUCT APPROVED BY THE ENGINEER'S REPRESENTATIVE.
- 4.2. STAKES SHALL BE TYPICALLY 18 IN LENGTH AND SHARPENED TO A POINT AT ONE END.
- 4.3. INSTALL STAKES ON A 5' STAGGERED GRID PATTERN (MINIMUM SPACING). STAKES MAY BE INSTALLED CLOSER IF NEEDED.

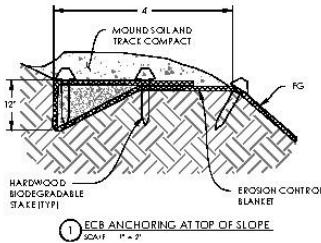
5. CEMENT BED MATERIAL (CBM)

- 5.1. CBM SHALL BE CLEAN SUBANGULAR TO ROUNDED ROCK GENERALLY CONSISTING OF CORRAL, GRAVELS, AND SAND. THE CBM SHALL BE WELL MIXED PRIOR TO PLACEMENT.
- 5.2. THE CONTRACTOR SHALL SUBMIT SAMPLE PHOTOS OF THE CBM MIXTURE TO THE ENGINEER'S REPRESENTATIVE FOR APPROVAL PRIOR TO PLACING ANY CBM. THE PHOTOS SHALL SHOW AT LEAST ONE CUBIC YARD OF CBM MIXTURE AND SHALL INCLUDE A YARDSTICK FOR SCALE.
- 5.3. CBM SHALL BE GENERALLY CLEAN PRIOR TO DELIVERY TO THE PROJECT SITE AND WILL BE REJECTED BY THE FIELD REPRESENTATIVE IF THE MATERIAL IS FOUND TO HAVE EXCESSIVE FINES OR ORGANICS.
- 5.4. UNSATISFACTORY CBM SHALL INCLUDE OR BE EQUIVALENT TO ASTM D698 SOIL CLASSIFICATION GROUPS GM, GC, SW, SP, SM, SC, ML, CL, OL, MH, CH, OH AND PT. OTHER UNACCEPTABLE SOILS WOULD INCLUDE RP RAP UNLESS OTHERWISE SPECIFIED HEREIN.
- 5.5. CBM SHALL HAVE THE FOLLOWING GRADATION:

SIEVE OPENING	% PASSING, BY WEIGHT
12"	100
3"	84
1"	50
3/8"	14
No. 10	5
No. 200	0

6. REBAR

- 6.1. REBAR SHALL BE NO. 8 (MIN) TO NO. 10 (MAX) STEEL REINFORCING BAR CONFORMING TO ASTM A615.
- 6.2. CUT REBAR TO ACHIEVE THE LENGTHS INDICATED ON THE DRAWINGS. FLESH OFF EDGES.



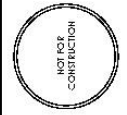
©2015 BALANCE HYDROLOGICS, INC.

90% DESIGN - NOT FOR CONSTRUCTION



1020 Donner Pass Road, Suite B1
 Truckee, CA 96161
 tel: (530) 589-9778
 www.balancehydro.com

DESIGNED BY	DATE	BY	SUBMITTALS / REVISIONS
DRAWN BY	DATE	BY	30% DESIGN
CHECKED BY	DATE	BY	90% DESIGN
IN CHARGE	DATE	BY	90% DESIGN
DATE	DATE	BY	
	08-11-2025		



**MATERIALS
 TYPICAL DETAILS**
 EVER VALLEY PHASE 2 RESTORATION
 NEVADA COUNTY, CALIFORNIA

PROJECT NUMBER
 23095
 SCALE (AT 22" X 34")
 SHEET
4.3

EPIMS Notification No. NEV-63360-R2
Streambed Alteration Agreement
Page 43 of 44

REVEGETATION NOTES:

1. GENERAL
 - 1.1. THE REVEGETATION SCOPE OF WORK INCLUDES: SOD, TOPSOIL AND ORGANIC MATTER (SOD) SALVAGE AND REPLACEMENT, SEED BED PREPARATION, SEEDING, MULCH APPLICATION, WILLOW SALVAGE AND REPLACEMENT, WILLOW POLE AND MAINTENANCE.
2. SEEDING
 - 2.1. ALL DISTURBED AREAS SHALL BE SEEDED AT THE RATES STATED IN THE TABLE BELOW, PRIOR TO SEEDING. HIS LIRE COMPACTION IS LESS THAN 85%. SEED COVER SALVAGED SOD AND ORGANIC MATTER PRIOR TO PLACEMENT OF MULCH AND AS DIRECTED.
 - 2.2. SEED QUALITY
 - 2.2.1. ALL SEED SHALL CONFORM TO ALL LAWS AND REGULATIONS PERTAINING TO THE SALE AND SHIPMENT OF SEED, REQUIRED BY THE CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE AND THE FEDERAL SEED ACT. TEST ALL SEED TWELVE (12) MONTHS PRIOR TO APPLICATION DATE. SEED TAGS MUST REFLECT THE MOST RECENT TEST DATE. SUBMIT ORIGINAL SEED TESTS BY LOT NUMBER TO ENGINEER'S REPRESENTATIVE A MINIMUM TEN (10) DAYS PRIOR TO APPLICATION FOR APPROVAL. FOLLOWING APPROVAL SEED MAY BE REMOVED AND DELIVERED TO THE SITE.
 - 2.2.2. ALL SEED SHALL BE DELIVERED TO THE PROJECT SITE IN SEALED BAGS WITH PROPER LABELING. WHEED SEED SHALL NOT EXCEED 0.1% OF THE PURE LIVE SEED. SPECIFIED AND SHALL NOT INCLUDE ANY SEED OF CHEATGRASS (*Bromus tectorum*) OR SWEET CLOVER (*Medicago sativa*). CROP SEED SHALL NOT EXCEED 0.2%.
 - 2.2.3. THE CONTRACTOR SHALL NOTIFY THE ENGINEER'S REPRESENTATIVE AT LEAST 72 HOURS IN ADVANCE OF ANY SEEDING.
 - 2.2.4. THE OWNER OR THEIR REPRESENTATIVE WILL REMOVE SEED LABELS FROM THE SEED BAGS AT THE TIME OF SEEDING TO VERIFY SPECIES IN THE MIX AND APPLICATION RATE IN ACCORDANCE WITH THESE SPECIAL PROVISIONS.
 - 2.2.5. SEED TAGS SHALL SHOW THE FOLLOWING INFORMATION: (1) SCIENTIFIC NAME, (2) COMMON NAME, (3) LOT NUMBER, (4) PERCENT PURITY, (5) PERCENT GERMINATION INCLUDING HARD AND DORMANT SEED, (6) PERCENT WEED SEED, (7) PERCENT CROP SEED, AND (8) ORIGIN.
 - 2.3. BROADCAST SEED WITH BELLY GRINDERS OR EQUIVALENT AND INCORPORATE SEED TO A DEPTH OF 3/4" TO 1" WITH HAND RAKES OR APPROVED EQUIVALENT.
 - 2.4. SEED SHALL BE THE FOLLOWING TWO MIXES:
 - 2.4.1. SEED MIX 1. RIPARIAN/WETLAND

Scientific Name	Common Name/Variety	PLS lb./acre
<i>Bromus carinatus</i>	California brome	3.00
<i>Cenchrus ciliaris</i>	buff-tuft hairgrass	0.25
<i>Bromus glaucus</i>	blue wildrye - "Siandaleas"	3.00
<i>Ceanothus americanus</i>	big-leaved ceanothus	0.50
<i>Bromus fruticosus</i>	fender wheatgrass - "Revenue"	2.00
<i>Hordeum brachyantherum</i>	meadow barley, Iron 4,000 and above	2.00
<i>Leymus trichodes</i>	creeping wildrye - "Shoshone"	3.00
<i>Lupinus lepidus</i>	podfic lupine	2.00
<i>Lupinus albus</i>	white lupine	3.00
<i>Poa pratensis</i>	lensky bluegrass	2.00
<i>Poa trivialis</i>	annual poa	0.50
<i>Rosa woodsii</i>	Wood's rose	0.50
<i>Sidalcea oregana</i>	Oregon checker mallow	0.50
TOTAL		22.25

2.4.2. SEED MIX 2. UPLAND

Scientific Name	Common Name/Variety	PLS lb./acre
<i>Achillea millefolium</i>	yarrow	0.10
<i>Asterias artemisia</i>	Mtn. sagebrush	0.50
<i>Bromus carinatus</i>	California brome	3.00
<i>Bromus tectorum</i>	cheatgrass	4.00
<i>Bromus fruticosus</i>	fender wheatgrass - "Pryor"	2.00
<i>Baccharis nevadensis</i>	subularia	0.50
<i>Eriogonum umbellatum</i>	mt. m. bushwheat	1.00
<i>Lupinus lepidus</i>	podfic lupine	3.00
<i>Poa secunda</i>	Sandberg bluegrass - "Sheridan"	1.00
<i>Rumex crispus</i>	antelope bitterbrush	2.00
<i>Ribes cereum</i>	wax currant	0.50
<i>Rosa woodsii</i>	Wood's rose	0.50
<i>Wyerhae mella</i>	mule's ears	0.50
TOTAL		18.40

- 2.4.3. APPLY THE SPECIFIED MIX WHERE INDICATED ON THE PLANS.

WILLOW SALVAGE, STORAGE, AND REPLANTING

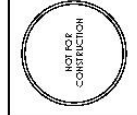
- 3.1. SALVAGE NATIVE WILLOW CLUMPS THAT ARE IN THE REED BY THE ENGINEERING REPRESENTATIVE. REMOVE AND RE-PLANT SELECTED WILLOWS CONCURRENT WITH CONSTRUCTION AS MUCH AS PRACTICABLE. PRIOR TO REMOVAL, PRUNE WILLOWS SO THAT BRANCHES INCLUDE TWO TO THREE NODES, BUT DO NOT EXCEED 3/4" INCHES IN LENGTH. CUTS SHALL BE CLEAN, LEAVE NO FRAYED BARK, AND BE MADE 1/4" INCH ABOVE THE NODE. REMOVE PLANTS BY EXCAVATING AROUND THE ROOT ZONE WITH A BACKHOE BUCKLE, OR OTHER EQUIPMENT APPROVED BY THE TPCW. AS MUCH OF THE ROOT BALL AS FEASIBLE SHALL BE REMOVED INTACT. PRUNE DAMAGED ROOTS. BURLAP MAY BE USED TO WRAP AND PROTECT THE ROOT ZONE DURING TRANSPORT.
- 3.2. ONE WILLOW CLUMP SHALL BE DEFINED AS HAVING AN APPROXIMATELY 3.0X3.0' FOOT MASS WITH BRANCHES PREPARED AS DESCRIBED BELOW.
- 3.3. STORE ALL WILLOW CLUMPS WITH THE ROOT MASS IN A MOIST TRENCH.
- 3.4. LEAVE DEAD BRANCHES INTACT FOR ALL WILLOW BRANCHES USED FOR FASCINES, AND DEBRIS JAMS. ALL MATERIALS SHALL BE CUT FROM HEALTHY, LIVE, DORMANT BRANCHES OF WILLOW (SALIX LEMMONII) AND SHALL BE TAKEN FROM SUITABLE MATERIALS WITHIN THE PROJECT AREA AS IDENTIFIED BY THE TPCW. THE WORK SHALL TAKE PLACE LATE IN THE FALL AFTER THE ON-SITE WILLOWS HAVE GONE DORMANT. MATERIAL SHALL NOT BE CUT MORE THAN SEVEN DAYS PRIOR TO INSTALLATION UNLESS APPROVED BY THE ENGINEERING REPRESENTATIVE, AND STORED IN COOL, SHADED, MOIST CONDITIONS.
- 3.5. RE-USE DEAD MATERIAL AS SLASH. USE LIVE BRANCHES AND POLES FOR THE FASCINES, DEBRIS JAMS, AND FENCES.
- 3.6. MINIMIZE HANDLING OF LIVE MATERIAL.
- 3.7. PRECISE LOCATIONS FOR RE-PLANTING WILLOW CLUMPS SHALL BE DETERMINED BY THE ENGINEER'S REPRESENTATIVE. EXCAVATE PLANTING HOLES 12 INCHES BELOW THE ROOT ZONE AND 12 INCHES WIDER ON BOTH SIDES OF THE ROOT MASS. LOOSE SOIL IN THE BOTTOM AND ALONG THE SIDES OF THE HOLE AND PLACE THE PLANT IN THE HOLE, BACKFILL WITH THE EXCAVATED MOIST SOIL SO THAT THE ROOT BALLS TWO TO FOUR INCHES BELOW EXISTING GRADE. TAMP SOIL AND THOROUGHLY WATER IMMEDIATELY FOLLOWING PLANTING.
4. WILLOW POLES
 - 4.1. POLES SHALL BE STRAIGHT, WITH ALL LEAVES REMOVED FROM THE STEMS. ALL CUTS SHALL BE CLEAN WITHOUT FRAYED ENDS. CUT BOTTOMS ON A 45° ANGLE. POLES SHALL BE AT MINIMUM 1.5" IN LENGTH OR AS DIRECTED. POLES SHALL BE A MINIMUM OF 0.75" INCH AND NO GREATER THAN 1.5 INCH IN DIAMETER. INSTALL AS SHOWN ON THE PLANS.
 - 4.2. STORE ALL POLES WITH THE THINE ENDS IN WATER.
5. SOD, TOPSOIL, ORGANIC MATTER HARVEST
 - 5.1. SOD
 - 5.1.1. SALVAGE SOD CONSISTS OF ABOVE GROUND AND BELOW GROUND PLANT MATERIALS INCLUDING LEAVES AND ROOTS, AND THE SOIL BOUND BY THE ROOT MASS. SALVAGED TO A DEPTH OF 10" TO 18" INCHES IN A CONCRETE BLOCK. MATERIAL MUST BE WATERED BEFORE IT IS MOVED.
 - 5.2. TFCM
 - 5.2.1. MATERIAL THAT CANNOT BE MOVED IN A CONTIGUOUS MANNER AS SOD SHALL BE SALVAGED AND RE-APPLIED AS ORGANIC MATTER. SALVAGED TOPSOIL AND ORGANIC MATTER CONSISTS OF A MIXTURE OF SOIL, VEGETATION, AND OTHER ORGANIC MATTER SALVAGED FROM THE UPPER LAYER OF THE EXISTING SOIL THAT TYPICALLY IS RICH IN ORGANIC MATTER AND VEGETATION AND USUALLY DISTINCT IN COLOR FROM DEEPER LAYERS OF SOIL FOR THIS PROJECT. AN UNCONSOLIDATED BULK MATERIAL MIXTURE CONSISTING OF ROOTS AND SOIL SHALL BE CONSIDERED TOPSOIL AND ORGANIC MATTER (GENERALLY THE TOP 4" BELOW EXISTING GROUND).
6. MULCH AND MULCH PLACEMENT
 - 6.1. WOOD CHIPS OR LIME GRINDINGS MAY BE PURCHASED OR PROCESSED ON-SITE. PARTICLE SIZE SHALL BE BETWEEN 1/4" INCH AND TWO INCHES IN LENGTH AND NO LESS THAN 1/4" INCH IN WIDTH AND 0.125 INCHES IN THICKNESS, WITH AT LEAST 95% COMFORMING TO SPECIFIED SIZES.
 - 6.2. ALL MATERIAL SHALL BE CLEAN FROM ROCK, GARAGE WREDS, OR OTHER DEBRIS. ORGANIC MATERIAL, MULCH MAY ALTERNATIVELY BE OBTAINED FROM CONIFEROUS AND WILLOW MATERIAL SALVAGED AND CHIPPED ON-SITE TO THE SPECIFIED SIZE.
 - 6.3. APPLY WOOD CHIP MULCH TO ALL BARE SOILS TO A DEPTH OF 0.25 TO 0.5 INCHES, AND TO ACHIEVE 85% COVER AND AS DIRECTED.
7. SLASH
 - 7.1. SLASH SHALL BE SMALL TREES REMOVED DURING CLEARING AND GRUBBING (LESS THAN 4" DBH), BRANCHED BRANCHES OR OTHER UNSALEABLE PORTIONS OF TREES REMOVED FROM ON-SITE, OR UNUSED WILLOW BRANCHES AND CUTTINGS.
 - 7.2. USE ALL SLASH TO THE MAXIMUM BENTH PRACTICABLE TO ELIMINATE OFF-HAUL FROM THE PROJECT SITE.
 - 7.3. IF THERE IS NOT ENOUGH SLASH SOURCED FROM ON-SITE TO TREAT ALL OF THE AREA SHOWN ON THE DRAWINGS, DO NOT IMPORT ADDITIONAL SLASH AND PRIORITIZE SLASH PLACEMENT PER THE DIRECTION OF THE ENGINEER'S REPRESENTATIVE.
8. PLANT ESTABLISHMENT PERIOD
 - 8.1. MAINTAIN ALL AREAS FOR ONE YEAR SO THAT THERE IS NO EVIDENCE OF SILLOR SHEET EROSION. THE MAINTENANCE PERIOD BEGINS ON THE DATE FOLLOWING THE LAST INSTALLATION.
 - 8.2. MAINTENANCE MAY INCLUDE RE-APPLICATION OF SEED AND MULCH.
 - 8.3. DURING THE ONE YEAR MAINTENANCE PERIOD, SEED AREAS SHALL BE KEPT FREE FROM NOXIOUS AND INVASIVE WEEDS AT ALL TIMES. TPCW WILL NOTIFY HOW US WEEDS REQUIRING IMMEDIATE REMOVAL. IF AT ANY TIME IT IS DETERMINED THAT PROPER MAINTENANCE IS NOT BEING PERFORMED, THE CONTRACTOR FOR THE ONE YEAR MAINTENANCE PERIOD SHALL BE STOPPED AND NOT RESUMED UNTIL THE PROJECT IS BROUGHT UP TO THE SPECIFICATIONS AND PROPER MAINTENANCE IS RESUMED.
9. PERFORMANCE STANDARD AND ACCEPTANCE
 - 9.1. REVEGETATED AREAS WILL BE INSPECTED BY THE ENGINEER'S REPRESENTATIVE AT COMPLETION OF INSTALLATION AND ACCEPTED SUBJECT TO COMPLIANCE WITH SPECIFIED MATERIALS AND INSTALLATION REQUIREMENTS.
 - 9.2. FOLLOWING ONE FULL GROWING SEASON AFTER TREATMENT, CONTRACTOR SHALL BE RESPONSIBLE FOR A 100% SURVIVAL OF WILLOW POLES AND TRANSPLANTED CLUMPS.

SOD NOTES:

- 1.1. SOD SHALL BE HARVESTED FROM THE SITE AT THE LOCATIONS SHOWN ON THE DRAWINGS AND AS STAGED IN THE REED BY TPCW.
- 1.2. THOROUGHLY WET ALL SOD PRIOR TO HARVEST, BUT DO NOT OVERSATURATE.
- 1.3. HARVESTED SOD SHALL CONSIST OF ABOVE GROUND AND BELOW GROUND PLANT MATERIALS INCLUDING LEAVES AND ROOTS, AND THE SOIL BOUND BY THE ROOT MASS.
- 1.4. SOILS MUST BE MOIST TO ROOT DEPTH PRIOR TO SALVAGING.
- 1.5. REMOVE IN PIECES AS LARGE AS PRACTICABLE (NO LESS THAN 2' WIDTH), RESULTING IN CLEAN, VERTICAL EDGES. SOD SHALL BE SCALPED FROM THE ORIGINAL GROUND SURFACE TO A DEPTH OF NO LESS THAN 8" (8 INCHES), AS MEASURED FROM THE ROOT CROWN.
- 1.6. SOD SHALL BE LIFTED FROM THE SUB-GRADE USING HAND TOOLS OR MACHINERY EQUIPPED WITH A FRONT-END BUCKET AS APPROVED.
- 1.7. WORK SHALL PROGRESS IN SUCH A MANNER AS TO MINIMIZE THE DISTURBANCE OF THE SOIL BOUND BY THE ROOT MASS AND THE CONTIGUOUS INTEGRITY OF THE SOD SECTION.
- 1.8. NON-COHESIVE MATERIAL THAT CANNOT BE MOVED IN A CONTIGUOUS MANNER SHALL BE SALVAGED AND RE-APPLIED AS ORGANIC MATTER AND MAY BE INCORPORATED WITH EXISTING CONTROL NETTING (WHERE SPECIFIED ON PLANS).
- 1.9. STOCKPILE COHESIVE SOD AND TFCM SEPARATELY.
2. STORAGE
 - 2.1. MINIMIZE STORAGE AND HANDLING. THE CONTRACTOR SHALL ATTEMPT TO SCHEDULE THE WORK SUCH THAT SOD MAY BE PLACED AS SOON AS PRACTICABLE AFTER HARVEST.
 - 2.2. IF STORAGE IS REQUIRED, DO NOT STACK. STORE IN A PROTECTED SHADED LOCATION APPROVED BY TPCW OF THE ENGINEER'S REPRESENTATIVE AND WATER REGULARLY TO MAINTAIN THE HEALTH OF THE SOD.
3. PLACEMENT
 - 3.1. INSTALL COHESIVE SOD STRIPS AT THE LOCATIONS AND TO THE DIMENSIONS SHOWN ON THE DRAWINGS. HARVEST AND PLACE SOD IN CONTIGUOUS PIECES TO THE MAXIMUM BENTH PRACTICABLE.
 - 3.2. PRIOR TO SOD PLACEMENT SOIL SHALL BE DECOMPACTED TO A MINIMUM OF 80% AND A MAXIMUM OF 85% AT 4"-26" OF OPTIMUM MOISTURE CONTENT PER ASTM D1557.
 - 3.3. OVER-EXCAVATE AREAS FOR SOD INSTALLATION AS NEEDED SO THAT ALL MATERIAL INCLUDING CROWNS OF SOD, ARE AT FINISH GRADE. APPROXIMATELY 8" BENTH INCHES BELOW THE FINAL FINISH GRADE AS STAGED IN THE REED.
 - 3.4. PLANT INTO MOIST SOIL SUCH THAT EDGES SLIGHTLY ADJOIN FOR ALL ADJACENT SECTIONS. CHISE WITH NATIVE TOPSOIL (AND/OR SMALL BROKEN PIECES OF SOD) SO THAT THE EDGES OF THE SOD ARE WELL COVERED.
 - 3.5. FINAL ELEVATION OF SOD CROWNS SHALL MATCH THE PLAN ELEVATION. THOROUGHLY WATER SOD.
 - 3.6. MAINTAIN SOD IN A MOIST, HEALTHY CONDITION AS DIRECTED BY THE ENGINEER'S REPRESENTATIVE UNTIL ESTABLISHED ACCORDING TO THE ONE YEAR WARRANTY PERIOD.



DESIGNED BY	DATE	SUBMITTALS / REVISIONS
DRAWN BY	DATE	30% DESIGN
CHECKED BY	DATE	10% DESIGN
IN CHARGE	DATE	70% DESIGN
DATE		
		08-11-2025



REVEGETATION NOTES
EUER VALLEY PHASE 2 RESTORATION
NEVADA COUNTY, CALIFORNIA

PROJECT NUMBER
23095
SCALE (AT 22' X 34")
SHEET
5.0

90% DESIGN - NOT FOR CONSTRUCTION

©2025 BALANCE HYDROLOGICS, INC.



DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS, SACRAMENTO DISTRICT
1325 J STREET
SACRAMENTO CA 95814-2922

April 20, 2026

Regulatory Division (SPK-2025-00668)

Tahoe Donner Association
Attn: Mr. John Groom
11509 Northwoods Blvd
Truckee, California 96162-6000
igroom@tahoedonner.com

Dear Mr. Groom:

We are responding to your November 18, 2025, request for a Department of the Army permit for the Euer Valley Restoration - Phase 2 project. This approximately 56.88-acre project involves activities, including discharges of dredged or fill material, in waters of the United States to construct a restoration project at three different locations in Euer Valley. The project site is located on South Fork Prosser Creek and Crabtree Creek, Latitude 39.37700°, Longitude -120.26487°, within Nevada County, California.

Based on the information you provided to this office, the Euer Valley Restoration - Phase 2 project involves the discharge of dredged and fill material into 2.2 acres of waters of the U.S. for the restoration activities at four different sites in Euer Valley: Euer Crossing (Site 1), Cowboy Crossing (Site 2), Crabtree Creek (Site 3), and Quickdraw Crossing (Site 4), subject to Section 404 of the Clean Water Act. The specific activities that require DA authorization are the restoration activities at four different sites in Euer Valley: Euer Crossing (Site 1), Cowboy Crossing (Site 2), Crabtree Creek (Site 3), and Quickdraw Crossing (Site 4) (Enclosure 1).

Work will occur below the ordinary high-water mark (OHWM) of South Fork Prosser Creek at Sites 1, 2, and 4. Work will occur below the OHWM of Crabtree Creek at Site 3. Work in wetlands will occur at Sites 1, 2, and 4. The project will include the installation of large and small debris jams at Sites 1, 2, and 3, consisting of woody debris. The debris jams will be secured by stakes and log posts driven into the channel bed, embedding logs into the bed and banks, bracing against existing bank vegetation, and/or pining by adjacent logs or existing boulders. Channel access improvements will occur at Sites 1 and 4 for equestrian crossings. Temporary access routes for equipment will be needed at all sites. More specific information for work that will be conducted at each site is below.

Euer Crossing (Site 1): Along with the work mentioned above, additional work will be conducted below the OHWM of South Fork of Prosser Creek and in adjacent wetlands. Work will include floodplain connectivity improvements to rewater a portion of the

meadow by grading a bank levee that has built up in the area. The entrance to the pilot floodplain channel will incorporate bank logs to establish grade and prevent erosion of the pilot channel. Side cast material will be used to raise the bed elevation of the existing road within the meadow that has become incised. The Euer Valley project will result in approximately 0.07 acres of permanent impacts to South Fork Prosser Creek and 0.07 acres of wetlands and 0.01 acres of temporary impacts to South Fork Prosser Creek and 0.12 acres to wetlands.

Cowboy Crossing (Site 2): The Cowboy Crossing is no longer in its original alignment, and the project will realign the South Fork of Prosser Creek to reflect its 1939 alignment. The project will also fill the unaligned channel and create the realigned channel to the south of the current channel. The new channel will be graded, and the material will be discharged into the old channel to fill it but will not completely be filled to top of bank elevation in order to have a secondary flow path during large flood events. Prior to placing fill in the existing channel, culverts will be removed and off hauled for disposal. Large woody debris will be installed downstream of where the realigned channel reenters the creek. A log cribwall will also be installed 500 feet upstream of the realigned channel at a former road crossing. The Cowboy Crossing project will result in approximately 0.54 acres of permanent impacts to South Fork Prosser Creek and 0.40 acres of wetlands and 0.01 acres of temporary impacts to South Fork Prosser Creek and 0.23 acres to wetlands.

Crabtree Creek (Site 3): An existing crossing in Crabtree Creek will be improved through regrading and installing additional rock. The rock will be installed along the downstream end of the crossing. Crabtree road adjacent to the crossing would be slightly raised and reinforced incorporating larger rocks into the existing roadbed. The road improvements will be expected to prevent streamflow from leaving the channel at the road crossing up to an approximately 2-year event. Upstream of the crossing a log cribwall will be installed in Crabtree Creek and an existing culvert will be removed. The log cribwall will provide a crossing during wintertime. The Crabtree Creek project will result in approximately 0.06 acres of permanent impacts and 0.05 acres of temporary impacts to Crabtree Creek.

Quickdraw Crossing (Site 4): The Quickdraw Crossing is no longer in its original alignment, and the project will realign a segment of the South Fork of Prosser Creek to its 1939 alignment. The unaligned channel segment will be filled, and two new meanders will be constructed to the north and south. Excavated material from the new channel and a floodplain borrow area will be used to fill the existing channel slightly above surrounding terrain to prevent flow over it and to increase inundation of nearby relic channels. The filled channel surface will be stabilized with salvaged willows, sod, and native seed. The realigned channel includes a low flow channel sized to convey up to 40 cubic feet per second (cfs) and when overflowed is intended to spill into two abandoned meadows. Two trails are on either side of South Fork of Prosser Creek and no formal crossing exists connecting the two trails. The Quickdraw Crossing project will

result in approximately 0.20 acres of permanent impacts to South Fork Prosser Creek and 0.29 acres of wetlands and 0.03 acres of temporary impacts to South Fork Prosser Creek and 0.12 acres to wetlands. The proposed activities will be conducted in accordance with the *Euer Valley Phase 2 Restoration Project* plans dated June 11, 2025 (Enclosure 2).

Based on the information you provided, the proposed activity is authorized by Regional General Permit number 16, *Aquatic Habitat Restoration and Enhancement Activities* (Enclosure 3). Your work must comply with the terms and conditions of Regional General Permit number 16, which are available on our website at <http://www.spk.usace.army.mil/Missions/Regulatory/Permitting/Regional-and-Programmatic-General-Permits/>. In addition, your work must comply with the following special conditions:

1. To ensure your project complies with the Federal Endangered Species Act, you must implement all of the mitigating measures proposed as part of your project description, which are identified in the enclosed U.S. Fish and Wildlife Service letter of concurrence (2026-0018080, February 5, 2026) (Enclosure 4). If you are unable to implement any of the proposed measures, you must immediately notify this office and the U.S. Fish and Wildlife Office so we may consult as appropriate, prior to initiating the work, in accordance with Federal law.

2. Prior to initiation of construction activities in waters of the U.S. authorized by this verification, you shall notify this office in writing of the anticipated start date for the work. No later than 10 calendar days following completion of construction activities in waters of the U.S. authorized by this verification, you shall notify this office in writing that construction activities have been completed.

3. You shall conduct all work when the project area is naturally dewatered, or is dewatered in accordance with the June 11, 2025, *Diversion and Dewatering Plan Euer Valley Phase 2 Restoration Nevada County, California*, prepared by Balance Hydrologics, Inc. (Enclosure 5). No work shall be conducted in flowing water.

You must sign the enclosed Compliance Certification and return it to this office within 30 days after completion of the work in waters of the U.S. authorized by this permit.

This verification is valid until August 14, 2029, when the Regional General Permit is scheduled to be modified, reissued, or revoked. Failure to comply with the terms and conditions, including project-specific Special Conditions of this authorization, may result in the suspension or revocation of your authorization.

We would appreciate your feedback on this permit action including your interaction with our staff and processes. For more information about our program or to complete

our Regulatory Program national customer service survey, visit our website at www.spk.usace.army.mil/Missions/Regulatory.aspx.

Please refer to identification number SPK-2025-00668 in any correspondence concerning this project. If you have any questions, please contact me by email at gabriel.j.leggieri@usace.army.mil and SPKRegulatoryMailbox@usace.army.mil, or telephone at 916-557-5120.

Sincerely,

A handwritten signature in black ink, appearing to read "Gabriel Leggieri". The signature is written in a cursive, flowing style.

Gabriel Leggieri
Project Manager
CA North Section

Enclosures

cc: (w/encls)

Beth Christman, Truckee River Watershed Council, bchristman@truckeeriverwc.org
Jairo Luque-Villanueva, Lahontan Regional Water Quality Control Board,
Jairo.luque@waterboards.ca.gov
California Department of Fish and Wildlife, R2LSA@wildlife.ca.gov

COMPLIANCE CERTIFICATION

Permit File Name: Euer Valley Restoration - Phase 2 Project

Permit File Number: SPK-2025-00668

Regional General Permit Number: 16, *Aquatic Habitat Restoration and Enhancement Activities*

Permittee: Tahoe Donner Association
Attn: Mr. John Groom
11509 Northwoods Blvd
Truckee, California 96162-6000

County: Nevada County

Date of Verification: April 20, 2026

Within 30 days after completion of the activity authorized by this permit, sign this certification and return it, and any post-construction compliance documents required by the terms or conditions of the permit, to the following address:

U.S. Army Corps of Engineers
Sacramento District
1325 J Street, Room 860, Sacramento, CA 95814-2922
SPKRegulatoryMailbox@usace.army.mil

Please note that your permitted activity is subject to a compliance inspection by a U.S. Army Corps of Engineers representative. If you fail to comply with the terms and conditions of the permit your authorization may be suspended, modified, or revoked. If you have any questions about this certification, please contact the U.S. Army Corps of Engineers.

* * * * *

I hereby certify that the work authorized by the above-referenced permit, including all the required mitigation, was completed in accordance with the terms and conditions of the permit verification.

Signature of Permittee

Date



United States Department of the Interior

FISH AND WILDLIFE SERVICE
Sacramento Fish and Wildlife Office
2800 Cottage Way, Suite W-2605
Sacramento, California 95825-1846
SFWO_mail@fws.gov



In Reply Refer to:
2026-0018080

February 25, 2026
Sent Electronically

Gabriel Leggieri
Project Manager, CA North Section
U.S. Army Corps of Engineers, Sacramento District
1325 J Street
Sacramento, CA 95814-2922
Gabriel.J.Leggieri@usace.army.mil

Subject: Informal Consultation on the Proposed Euer Valley Restoration Project, Nevada County, California

Dear Gabriel Leggieri:

This letter is in response to the U.S. Army Corps of Engineers (Corps) December 12, 2025, request for concurrence from the U.S. Fish and Wildlife Service (Service) that the proposed Euer Valley Restoration Project (Corps project SPK-2025-00668, proposed project) may affect, but is not likely to adversely affect the federally endangered Sierra Nevada yellow-legged frog (*Rana sierrae*; frog), the federally threatened North American wolverine (*Gulo gulo luscus*; wolverine), and the federally endangered gray wolf (*Canis lupus*; wolf). The Service received your letter on December 18, 2025, and complete project information was received on February 23, 2026. The federal action on which we are consulting is the issuance of a Corps permit to conduct restoration activities at four sites along South Fork Prosser Creek and Crabtree Creek in the Euer Valley in Nevada County, California. There is no proposed or designated critical habitat in the proposed action area. This response is provided under the authority of the Endangered Species Act of 1973, as amended (16 U.S.C. 1531 *et seq.*) (Act), and in accordance with the implementing regulations pertaining to interagency cooperation (50 CFR 402).

We have reviewed the proposed project, including: (1) the December 12, 2025, letter from the Corps to the Service requesting informal consultation; (2) the *Identification of Potential Biological Constraints and Permitting Needs, Euer Valley Phase 2 Restoration Project* dated January 29, 2024; (3) the August 13, 2024, *Euer Valley Restoration Special-Status Plant Survey Memorandum*; (4) the September 25, 2025, site photos; (5) the additional information document sent to the Service on February 4, 2026; (6) the survey map and appendix table sent to the Service on February 23, 2026; (7) e-mail correspondence between the Corps and the Service; and (8) the best available science on the species and its habitat.

The project proponent proposes to conduct restoration activities at four different sites totaling 56 acres in Euer Valley along the perennial South Fork Prosser Creek (Sites 1, 2, and 4) and

Crabtree Creek (Site 3) to address sources of watershed impairment. Work at the sites will consist of:

Euer Crossing (Site 1): installation of large and small woody debris jams, floodplain connectivity improvements by grading a bank levee, raising of the existing road using side cast material.

Cowboy Crossing (Site 2): realignment of the creek channel to reflect historical 1939 alignment, partial filling of the previous unaligned channel, removal and disposal of culverts from previous unaligned channel, installation of large woody debris jams and a cribwall upstream of the realigned channel at a former crossing.

Crabtree Creek (Site 3): regrading and rock installation of an existing crossing, raising and reinforcement (with large rocks) of the existing roadbed, installation of a log cribwall upstream of the crossing and removal of an existing culvert.

Quickdraw Crossing (Site 4): realignment of the creek channel to reflect historical 1939 alignment, filling of the previous unaligned channel with excavated materials from realigned channel, construction of two new meanders to the north and south, stabilization of filled channel with salvaged willows, sod, and native seed.

Work will occur below the ordinary high-water mark at all sites, and will take place from July to October, during the low-flow season.

Frog protection measures

Conservation measures to avoid and/or reduce the potential for adverse effects to frogs within the action area include the following:

- A Qualified Biologist who is knowledgeable in the identification of listed fish and amphibian species will survey the project area prior to initiating operations within or immediately adjacent to the watercourse. If Sierra Nevada yellow-legged frogs are found, work will be suspended and the Service will be consulted.
- In the event a listed individual is encountered during project activities, all work in the area will stop, the Service will be contacted immediately, and the individual will be left alone. Project activities that may affect the newly discovered individual or population will not be implemented until the Service provides guidance.
- Within potential Sierra Nevada yellow-legged frog habitat or breeding areas, no ground disturbing activities will take place between November 30 to May 30. This limited operating period (LOP) is needed to avoid possible interference with frogs during a time when they may move away from stream courses to breeding sites.
- Timing of activities will be limited to avoid the period of highest rainfall, streamflow, and erosion potential.
- Tightly woven fiber netting or similar material, plastic mono-filament netting or similar material will not be used for erosion control or other purposes on the project site.
- If pumps are required for project activities, pump intakes will be screened with wire mesh no larger than 5 millimeters.

- Fueling will only take place in designated areas at least 50 feet away from operational inlets and drainage facilities on a level area. Drip pans will be used for all mobile fueling. Drip pans or absorbent pads will be used for all vehicle and equipment maintenance activities that involve grease, oil, solvents, or other vehicle fluids.

Additional conservation measures for frogs can be found on pages 5-7 of the February 4, 2026, additional information document.

Sierra Nevada yellow-legged frog

The proposed project area contains suitable breeding and foraging habitat for frogs. However, Prosser Creek, the perennial water source in the area, also contains substantial numbers of non-native salmonid fish which are known to prey on frogs, making frog presence in the creek less likely. Additionally, during a 2022 survey of the project area, no suitable off-channel breeding habitat (lakes, ponds, or seeps) was found, suggesting that refugia for frogs from the non-native salmonids within Prosser Creek are rare or absent within the project area.

The California Natural Diversity Database contains a record of Sierra Nevada yellow-legged frogs approximately 2 miles southeast of the project area (Occurrence # 676; 1997). This population is presumed extant (CDFW 2025a), however there is very low watershed connectivity between this population and the project area, and the intermediate area is developed, making frog dispersal to the project area from this location unlikely. The low likelihood of frog presence onsite and the low likelihood of dispersal of nearby frogs into the project area, in conjunction with proposed conservation measures, make adverse effects to Sierra Nevada yellow-legged frogs from project activities extremely unlikely to occur.

North American wolverine

The proposed project area does not contain suitable denning habitat for wolverines but does contain marginally suitable dispersal and foraging habitat. The California Natural Diversity Database contains one record of wolverine within the project area from 1991 (Occurrence #191). While this observation is categorized as “presumed extant” (CDFW 2025a), only two individual wolverines have been confirmed in California in the past 100 years (Hatfield et al. 2025). One individual, a single male, occupied the general Tahoe area between 2008 and 2018; this individual has not been observed since 2018. A second individual was detected on a U.S. Forest Service camera trap in April 2023 near Carpenter Valley, approximately 2 miles from the proposed project area (Hatfield et al. 2025). No subsequent sightings in this area were reported, but a wolverine was observed in May 2023 in the Tuolumne Meadows area by Yosemite National Park staff; it is likely that this was the same individual detected in Carpenter Valley, and no sightings have been reported to the California Department of Fish and Wildlife (CDFW) since May 2023 (Hatfield et al. 2025). The rarity of wolverine occurrences in California makes wolverine presence within the project area very unlikely. The project proponents will also be implementing the following conservation measures to further reduce potential risks to wolverines from project activities:

- The project proponent will provide environmental awareness training for all persons employed or otherwise working in the project area.

- If any special-status species are encountered during project activities, work will be suspended, the Service will be notified, and conservation measures shall be developed in agreement with the Service prior to re-initiating the activity. Work will not commence until the Service has been notified and consulted.
- If a wolverine is detected, the detection will be validated by a forest carnivore specialist. If a verified sighting occurs, an analysis will be conducted to determine if activities within 5 miles of the detection have a potential to affect the species. If necessary, an LOP will be applied from January 1 to June 30 to avoid adverse impacts to potential breeding. Activities for detections not associated with a den site will be evaluated for a 2-year period. The project proponent will notify the Service if dens or detection sites are located within 1 mile of work activity.

Additional details about these conservation measures can be found on pages 17 and 18 of the February 4, 2026, additional information document. The extremely low likelihood of wolverine presence within the project area, in conjunction with the above conservation measures, make adverse effects to wolverines from project activities extremely unlikely to occur.

Gray wolf

The proximity of the proposed project area to sites of substantial human activity makes the habitat within the proposed project area unsuitable for wolf denning, and marginally suitable for foraging and dispersal. The Diamond gray wolf pack, approximately 10 miles northeast of the proposed project area, is the closest known wolf pack to the action area and is active. Additionally, the Natural Resource Information System contains a gray wolf observation on a camera trap approximately 4 miles northwest of the proposed project area in 2023 (USFS 2024), and CDFW's Wolf Tracker recorded an individual in the Truckee area on January 31, 2025 – this individual has since moved away from the area and is now in Oregon (CDFW 2025b). While wolves are highly mobile and capable of moving to the project area from these distances, they typically avoid areas of human disturbance and thus are unlikely to wander through the project site during project activities. Due to their highly mobile nature, wolves are unlikely to be injured by project activities in the unlikely event that they do enter the project area during project activities.

Though the likelihood of wolf presence is low, the project proponent has put conservation measures in place to further reduce the risk to gray wolves from project activities. One month prior to commencement of project implementation, the project proponent will contact CDFW and the Service to verify the presence or lack of presence of wolf activity near the project area. If an active den or rendezvous site is located within two miles of the project area, the following conservation measures would be implemented and/or refined based on the direction of CDFW and Service biologists:

- An LOP restricting noise generating activities shall be instated from April 1 to at least July 15. Further discussions and coordination with CDFW and the Service may result in modified distances or more extended dates for this specific measure. In addition, if the den or rendezvous site are clearly separated from project generated disturbances by topographic features or terrain, seasonal restrictions may be adjusted or eliminated. These measures will avoid or minimize disturbance at active den or wolf meetup sites that could disrupt reproductive success or results in adverse effects. Dens that are known to be used

in consecutive years, but not used in the current year also may require an LOP if the two agencies deem it necessary.

- Early rendezvous sites are typically close to dens. Implementing the LOP within two miles of den sites will generally avoid effects to early rendezvous sites when pups are still vulnerable. Coordination with CDFW and the Service prior to implementation would be done to ensure protection of all known and/or newly discovered den and rendezvous sites, and the buffer expanded as deemed appropriate.
- If a den is discovered during implementation of the project, the LOP shall be implemented in coordination with CDFW and the Service.

In addition to the above measures, the following measure will be implemented during the proposed project regardless of the presence of a den or rendezvous site:

- If any special-status species are encountered during project activities, work will be suspended, the Service will be notified, and conservation measures shall be developed in agreement with the Service prior to re-initiating the activity. Work will not commence until the Service has been notified and consulted.

Additional details about these conservation measures can be found on page 10 of the February 4, 2026, additional information document. The low likelihood of wolf presence within the project area and the ability of wolves to move away from project activities, in conjunction with the above conservation measures, make adverse effects to wolves from project activities unlikely.

After reviewing all available information, the Service concurs with your determination that the proposed project *may affect, but is not likely to adversely affect*, the federally endangered Sierra Nevada yellow-legged frog, the federally threatened North American wolverine, and the federally endangered gray wolf. Therefore, unless new information reveals effects of the proposed action that may affect listed species in a manner or to an extent not considered, the agency action is modified in a manner that causes an effect to the listed species or critical habitat that was not considered in this review, or a new species is listed or critical habitat is designated that may be affected by the proposed action, no further action pursuant to the Act is necessary.

If you have any questions regarding this correspondence for the proposed Euer Valley Restoration Project, please contact Mia Guarnieri, Fish and Wildlife Biologist, (mia_guarnieri@fws.gov) or me (michelle_havens@fws.gov) at (916) 978-4308 or at the letterhead address.

Sincerely,

Michelle Havens
Northern Sierra Division Supervisor

cc:

John Groom, Tahoe Donner Association, jgroom@tahoedonner.com

Beth Christman, Truckee River Watershed Council, bchristman@truckeeriverwc.org

REFERENCES

Hatfield, B., Lawson, J., & Gammons, D. (2025). *2023-2024 Alpine Mesocarnivore Study Progress Report*. California Department of Fish and Wildlife.

California Department of Fish and Wildlife (CDFW). 2025a. California Natural Diversity Database. BIOS commercial version 6.

California Department of Fish and Wildlife (CDFW). 2025b. Locations of Gray Wolves in California. <https://wildlife.ca.gov/Conservation/Mammals/Gray-Wolf/Location-Map>

United States Forest Service (USFS). 2024. Natural Resource Information System.