

APPENDIX N: PROJECT PLANS

Adams Pond Restoration Project CEQA Initial Study / Mitigated Negative Declaration

Adam's Pond Restoration Project

Sponsor

Tehama County Resource Conservation District

Jon Barrett
PO Box 1232, Red Bluff, CA 96080
Jbarrett@tehamacountyrcd.org
530-727-1280



Design Team

Mountain Engineering

Christine Kovacevich
950 Iron Point RD, Suite 250 Folsom, CA 95630
CKK@MGEINC.com
916-633-3692

Nevada Environmental Consulting, LLC.

Matthew Setty
5989 Home Gardens Dr, Suite B, Reno NV 89502
Matt@NVENV.net

Land Owner Information

Harold Adams

22008 Grove Circle, Red Bluff, CA 96080
530-945-5697

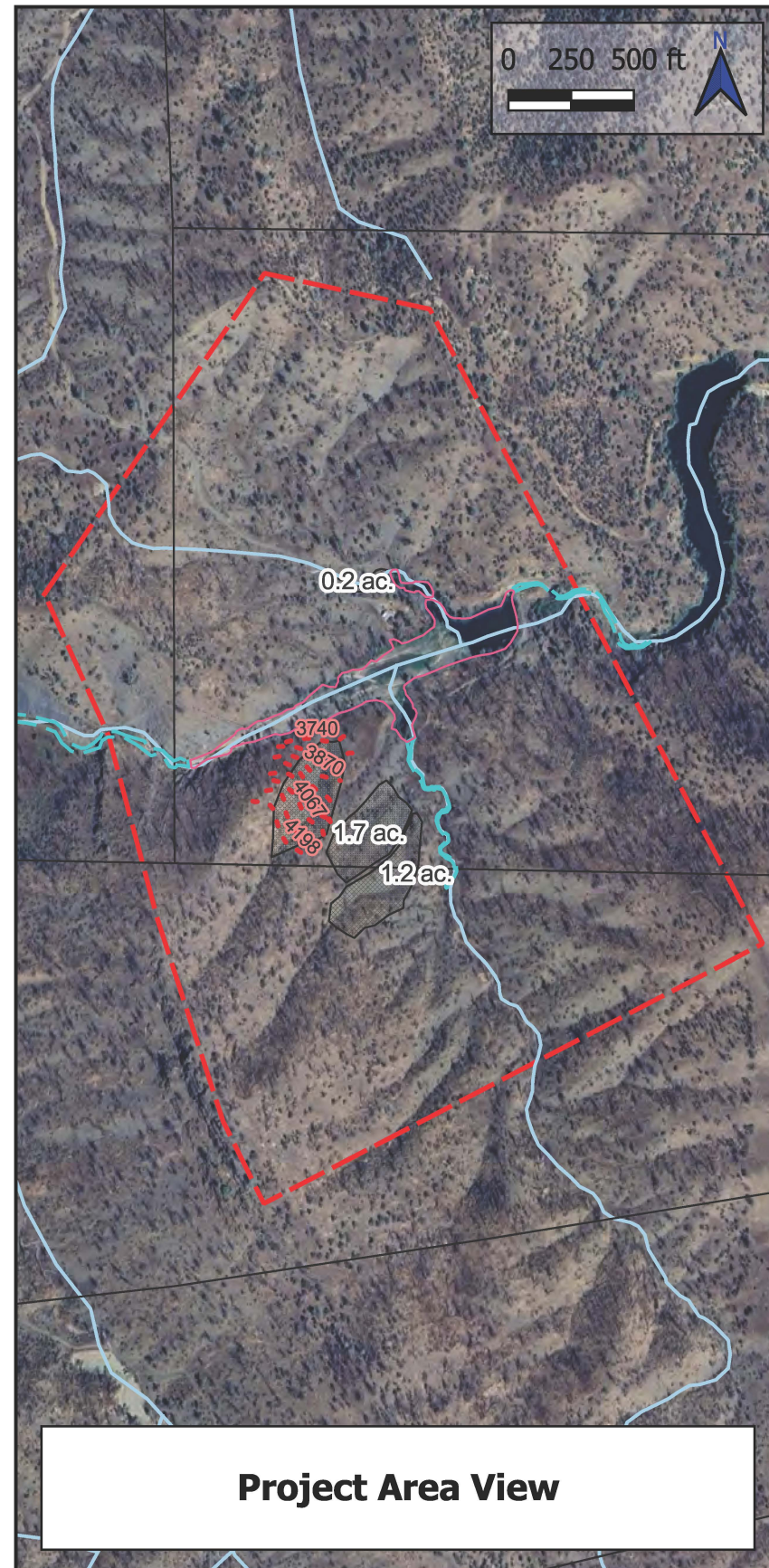
Project Location

Physical Location

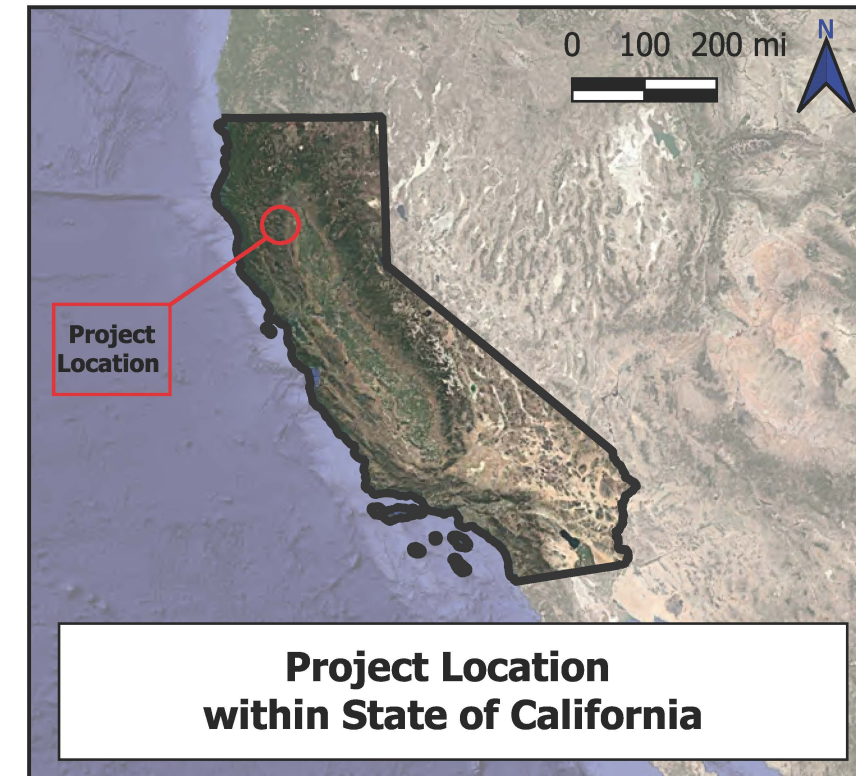
Lat: 40.2312611°, Long: -122.7144722°,
CA210280N0080W0SN360 (T28N., R8E., Section 36, SWSE)
Tehama County, California

Directions to Site

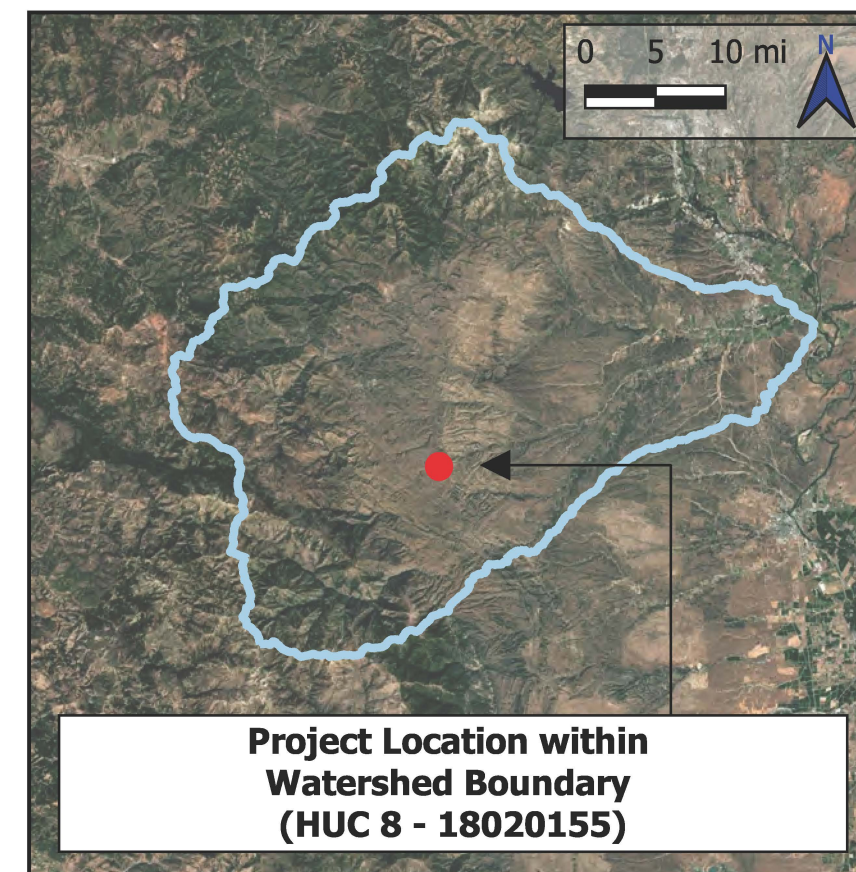
Turn left on CA-36 W from Red Bluff. Drive 32 mi to Vestal Rd. Turn left, go 4.4 mi. At fork, keep right for 1.1 mi to gate. Go through gate, turn left, continue 1.5 mi to site (40.232°N, -122.713°W).



Project Area View



Project Location
within State of California



Project Location within
Watershed Boundary
(HUC 8 - 18020155)

Nevada Environmental Consulting, LLC

5989 Home Gardens Dr,
Suite B, Reno, NV 89502
www.nvenv.net



Client:

**Tehama County Resource
Conservation District**

Location:

**40.2312611°, -122.7144722°,
Tehama County,
California
APN: 001-260-46-1
019-050-19-1**

Project:

**Adams Pond
Restoration
Project**

1 inch = 100 ft

Created by: DELA 5/8/2025

Last updated: NA

NOTE: All data on this map is obtained from public sources and reflex accuracy of the original data. Information should not be used for delineations of legal boundaries.

Adam's Pond Restoration Project Quantities and Specifications Total Volume of Restoration within Aquatic Resource = 80,000 Cubic Yards (Adam's Pond Volume) Total Estimated Fill to a Water of the United States (WOTUS) = 26.5 Cubic Yards (712 ft3) Direct Impacts (Dredge) = 3.2 Acres of Waters of the United States (WOTUS) 2nd Area of Impact to a WOTS (NOT WOTUS) = 0.025 Acres (360 LF × 3-ft width) 3rd Area of Impact to a WOTS/WOTUS = 20 feet (length) = 160 Sq. Feet 8 feet (width) 8 inches (depth)	
Direct Impact: This project will result in direct dredge impacts to 3.2 acres of Waters of the U.S. (WOTUS), restoring approximately 80,000 cubic yards of aquatic resource volume (Adam’s Pond). Additional direct impacts include 0.025 acres (360 LF × 3 ft) to a Water of the State (WOTS) not considered WOTUS. An estimated 26.5 cubic yards (712 ft³) of fill will be placed in WOTUS. A third, temporary impact area (20 ft × 8 ft × 8 in; 160 ft²) will occur at a WOTS/WOTUS crossing for haul road access and will be restored post-construction.	
Indirect Impacts: Temporary drawdown of the pond will reduce available water for firefighting, livestock, and wildlife until fall storms refill the basin. Minor localized turbidity from runoff may occur, but no downstream impacts to Stinking Creek are expected during construction.	
Cumulative Impacts: Cumulative benefits include restored aquatic habitat, increased sediment retention capacity, improved water quality, enhanced native plant diversity, and recovery of ecological and aesthetic function.	
Avoidance and Minimization Measures: Dredge disposal is limited to upland areas to avoid aquatic vegetation. Pre-construction water drawdown prevents in-water work and runoff. Haul routes are minimized to reduce emissions, and passive siphoning is used to lower water levels without pumping.	

Nevada

Environmental Consulting, LLC

5989 Home Gardens Dr,
Suite B, Reno, NV 89502
www.nvenv.net



Client:

Tehama County Resource Conservation District

Location:

40.2312611°, -122.7144722°,
Tehama County,
California
APN: 001-260-46-1
019-050-19-1

Project:

Adams Pond Restoration Project

Sheet 2: Quantities and Specifications

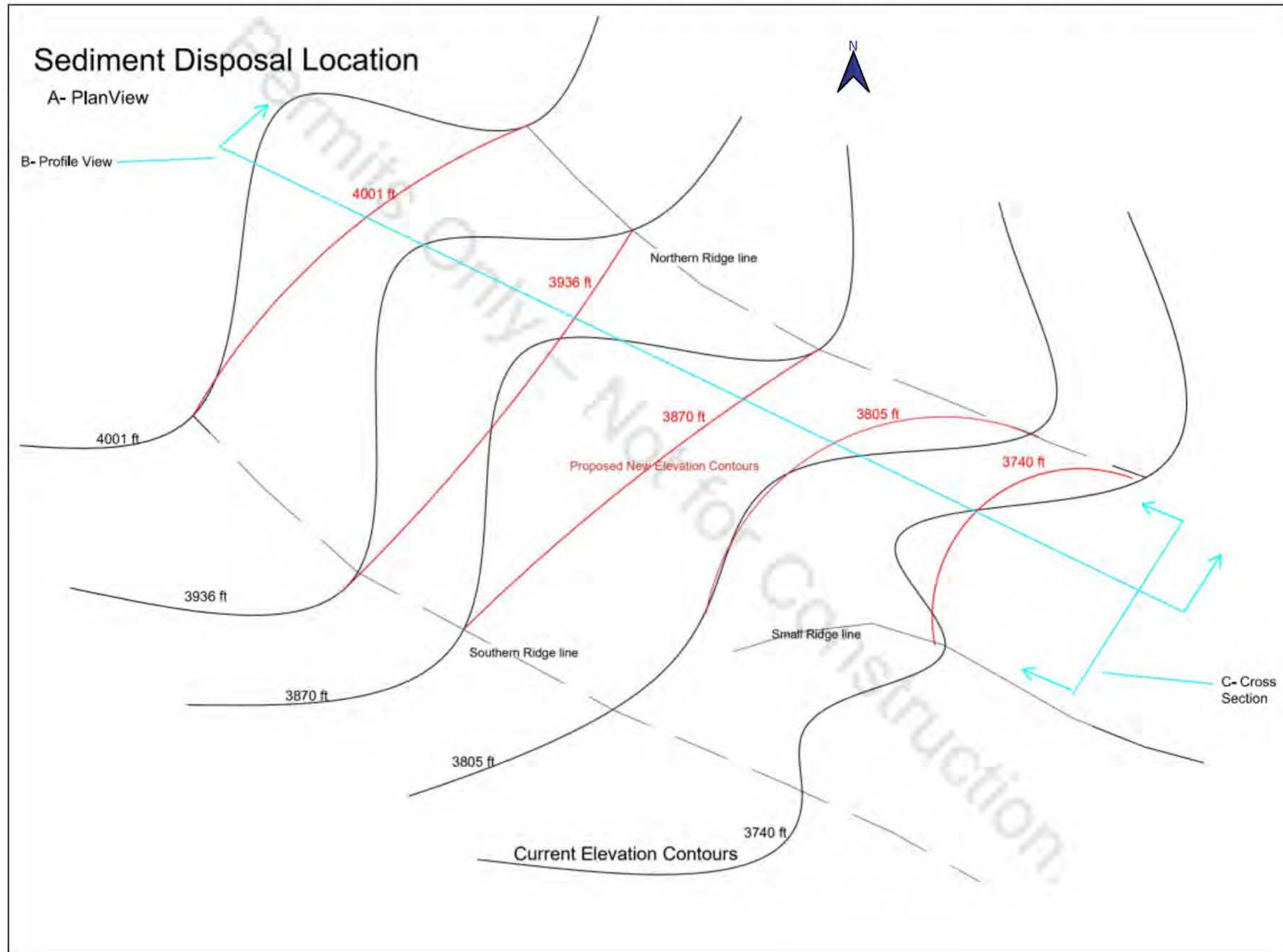
1 inch = 100 ft

Created by: DELA 5/8/2025

Last updated: NA

NOTE: All data on this map is obtained from public sources and reflex accuracy of the original data. Information should not be used for delineations of legal boundaries.

Adam's Pond Restoration Project



**Nevada
Environmental
Consulting, LLC**
5989 Home Gardens Dr.,
Suite B, Reno, NV 89502
www.nvenv.net



Client:

**Tehama County Resource
Conservation District**

Location:

**40.2312611°, -122.7144722°,
Tehama County,
California
APN: 001-260-46-1
019-050-19-1**

Project:

**Adams Pond
Restoration
Project
Sheet 3A: Plan View**

1 inch = 100 ft

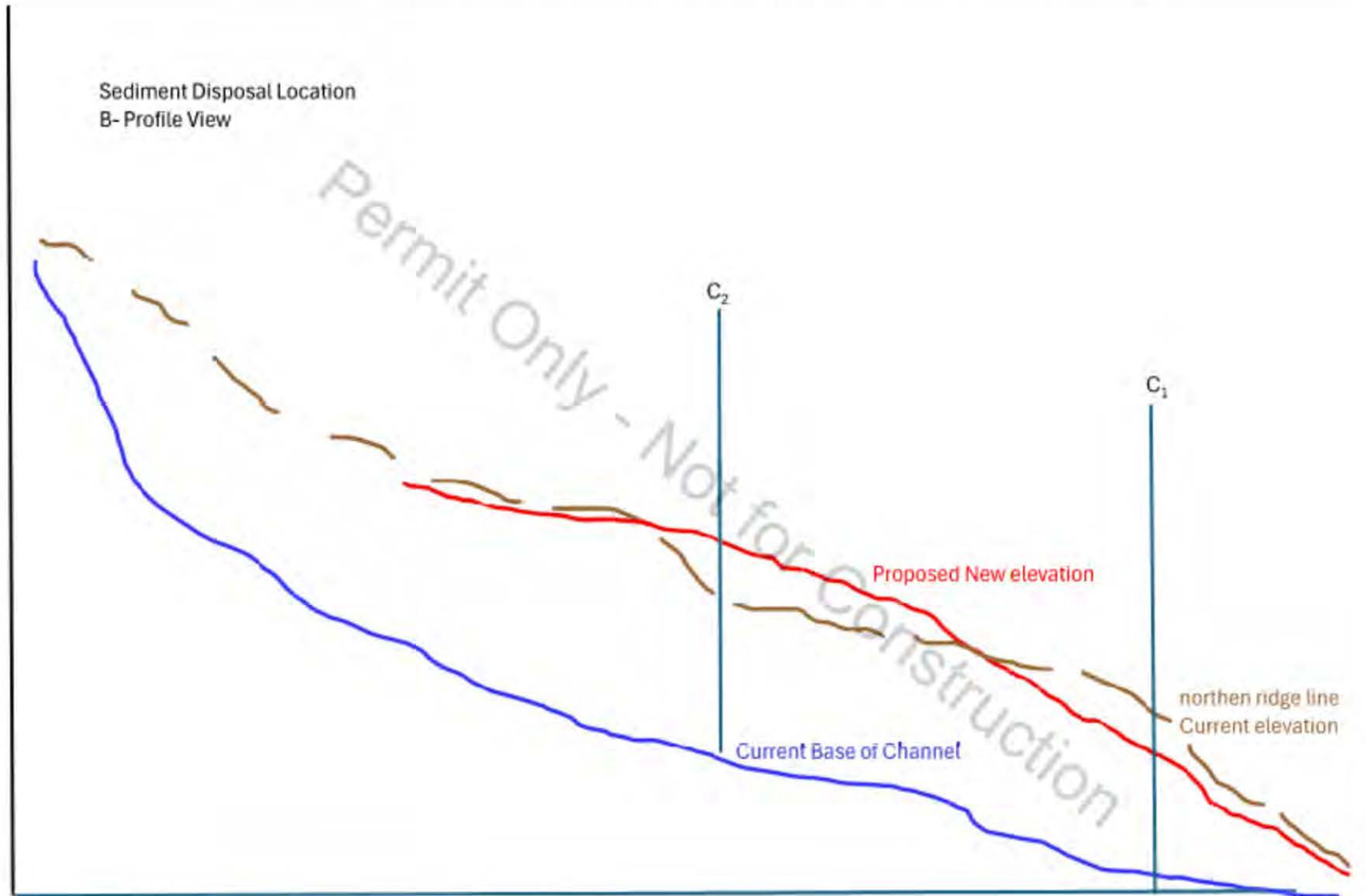
Created by: DELA 5/8/2025

Last updated: NA

NOTE: All data on this map is
obtained from public sources and
reflex accuracy of the original data.
Information should not be used for
delineations of legal boundaries.

Adam's Pond Restoration Project

Sediment Disposal Location
B- Profile View



**Nevada
Environmental
Consulting, LLC**
5989 Home Gardens Dr,
Suite B, Reno, NV 89502
www.nvenv.net



Client:

**Tehama County Resource
Conservation District**

Location:

**40.2312611°, -122.7144722°,
Tehama County,
California
APN: 001-260-46-1
019-050-19-1**

Project:

**Adams Pond
Restoration
Project
Sheet 3B: Plan View**

1 inch = 100 ft

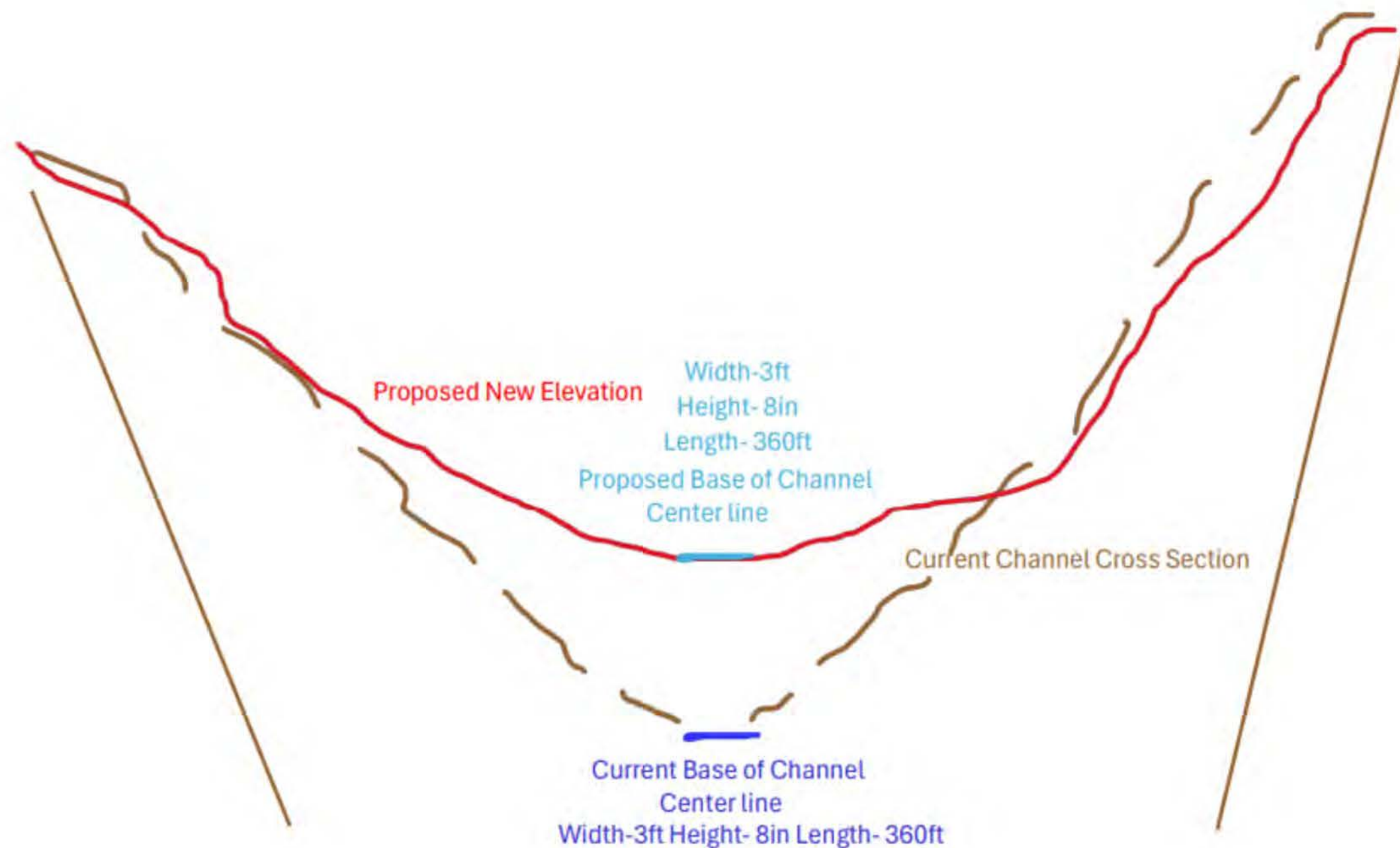
Created by: DELA 5/8/2025

Last updated: NA

NOTE: All data on this map is
obtained from public sources and
reflex accuracy of the original data.
Information should not be used for
delineations of legal boundaries.

Adam's Pond Restoration Project

Sediment Disposal Location
C₁ - Cross Section 1



**Nevada
Environmental
Consulting, LLC**
5989 Home Gardens Dr,
Suite B, Reno, NV 89502
www.nvenv.net



Client:

**Tehama County Resource
Conservation District**

Location:

**40.2312611°, -122.7144722°,
Tehama County,
California
APN: 001-260-46-1
019-050-19-1**

Project:

**Adams Pond
Restoration
Project
Sheet 3C: Plan View**

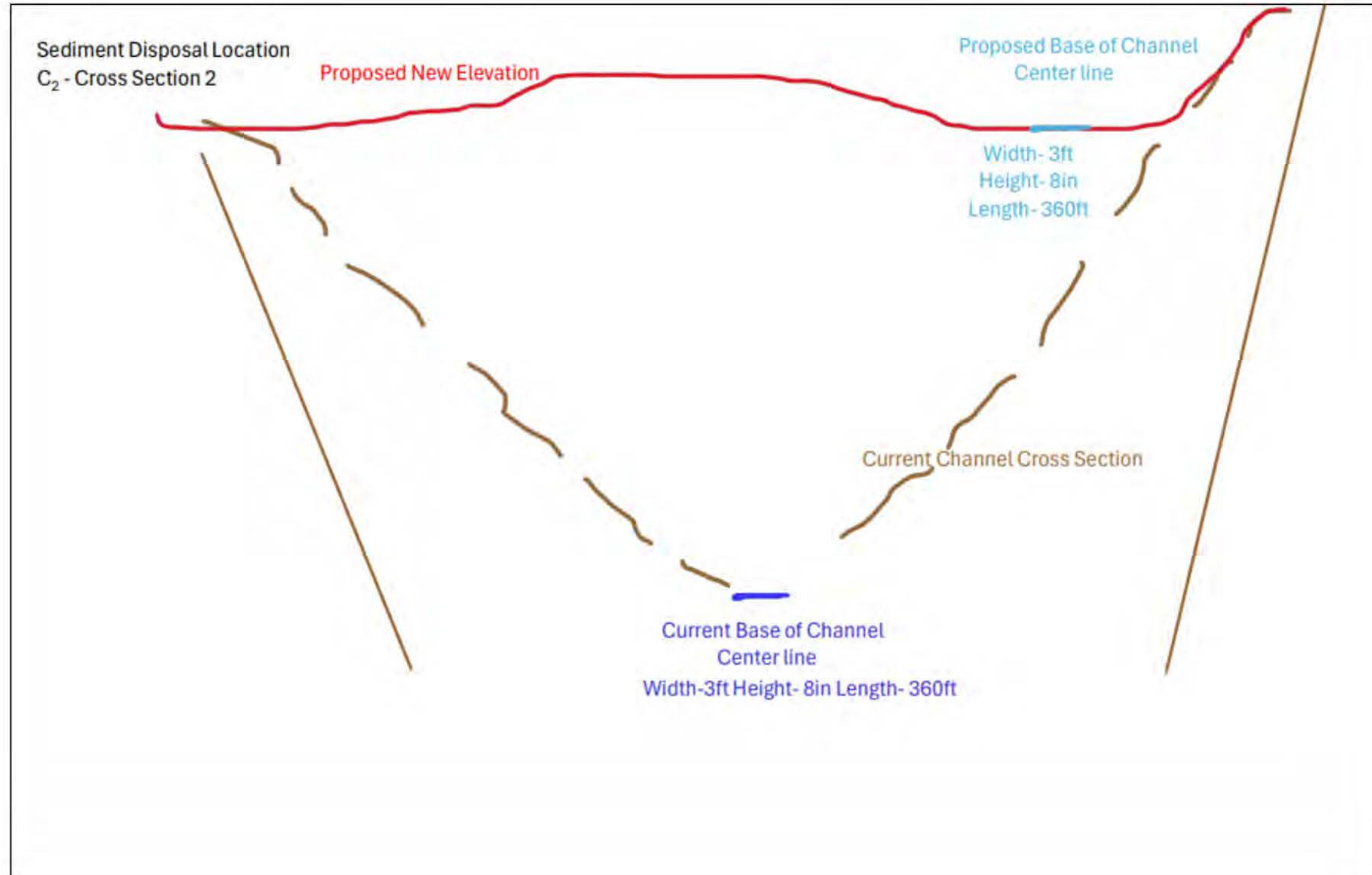
1 inch = 100 ft

Created by: DELA 5/8/2025

Last updated: NA

NOTE: All data on this map is
obtained from public sources and
reflex accuracy of the original data.
Information should not be used for
delineations of legal boundaries.

Adam's Pond Restoration Project



**Nevada
Environmental
Consulting, LLC**
5989 Home Gardens Dr,
Suite B, Reno, NV 89502
www.nvenv.net



Client:
**Tehama County Resource
Conservation District**

Location:
40.2312611°, -122.7144722°,
Tehama County,
California
APN: 001-260-46-1
019-050-19-1

Project:
**Adams Pond
Restoration
Project
Sheet 3D: Plan View**

1 inch = 100 ft

Created by: DELA 5/8/2025

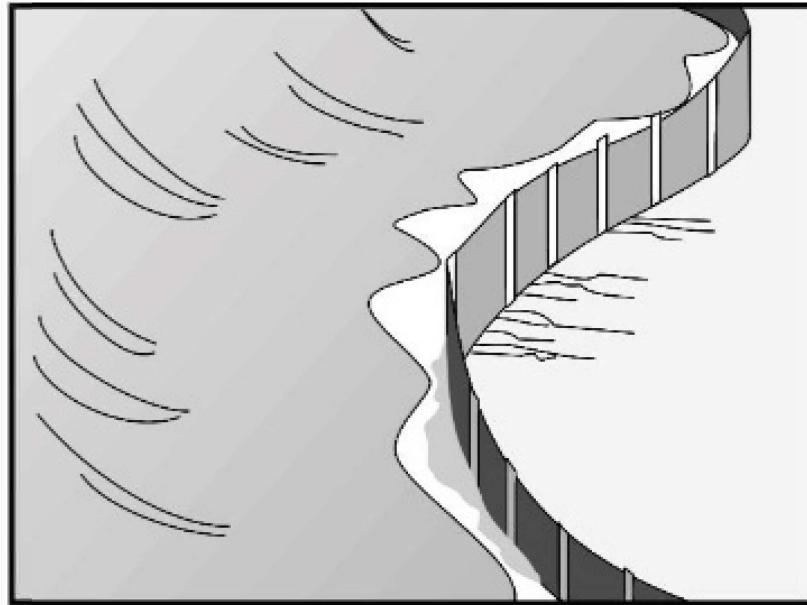
Last updated: NA

NOTE: All data on this map is
obtained from public sources and
reflex accuracy of the original data.
Information should not be used for
delineations of legal boundaries.

Adam's Pond Restoration Project

Best Measure Practices

Silt Fence



Description and Purpose

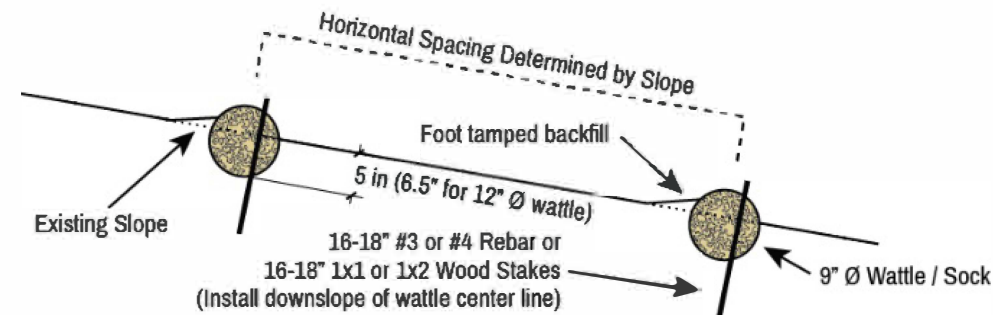
A silt fence is made of a filter fabric that has been entrenched, attached to supporting poles, and sometimes backed by a plastic or wire mesh for support. The silt fence detains sediment-laden water, promoting sedimentation behind the fence.

Suitable Applications

Silt fences are suitable for perimeter control, placed below areas where sheet flows discharge from the site. They should also be used as interior controls below disturbed areas where runoff may occur in the form of sheet and rill erosion. Silt fences are generally ineffective in locations where the flow is concentrated and are only applicable for sheet or overland flows. Silt fences are most effective when used in combination with erosion controls. Suitable applications include:

- Along the perimeter of a project.
- Below the toe or down slope of exposed and erodible slopes.
- Along streams and channels.
- Around temporary spoil areas and stockpiles.
- Below other small cleared areas.

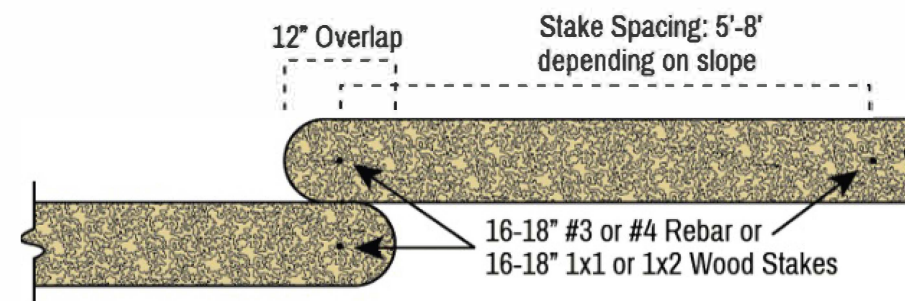
STRAW WATTLE (9" DIA.) INSTALLATION - ELEVATION VIEW



Adapted from NRCS by Ecology Artisans | This work is licensed under a Creative Commons Attribution 4.0 International License

Cross section of proper wattle installation using five-stake method (for 25' wattles).

STRAW WATTLE INSTALLATION - PLAN VIEW



Created by Ecology Artisans | This work is licensed under a Creative Commons Attribution 4.0 International License.

Our suggestion of overlapping wattle ends. You can also butt ends together, just monitor to ensure no water is channeling through the ends.

Wattles (Above) to be installed 6010 feet (varying by slope) on slopes greater than 25%.

Wattles will be installed along slopes greater than 25% to intercept and slow surface water flow, thereby reducing erosion and promoting sediment deposition. Spacing will vary depending on slope gradient and site-specific hydrology. Installation will include trenching and staking to ensure contact with the ground surface and prevent water from flowing underneath. Wattles will be maintained throughout the duration of ground-disturbing activities and removed once the site is stabilized and revegetated.

Silt Fencing (Left) to be installed at edge of fills.

Silt fencing will be installed at the perimeter of disturbed soil areas to prevent the migration of sediment into adjacent aquatic features and offsite drainage areas. The fencing will be trenched, keyed into the soil, and supported with stakes to ensure effective sediment capture. Placement is intended to protect water quality and support compliance with erosion control BMPs. Fencing will be monitored regularly and maintained or replaced as needed.

See next sheet for Map Imagery of BMPs at Adam's Pond Site.

**Nevada
Environmental
Consulting, LLC**

5989 Home Gardens Dr,
Suite B, Reno, NV 89502
www.nvenv.net



Client:

**Tehama County Resource
Conservation District**

Location:

**40.2312611°, -122.7144722°,
Tehama County,
California
APN: 001-260-46-1
019-050-19-1**

Project:

**Adams Pond
Restoration
Project
Sheet 5:
BMPs**

1 inch = 100 ft

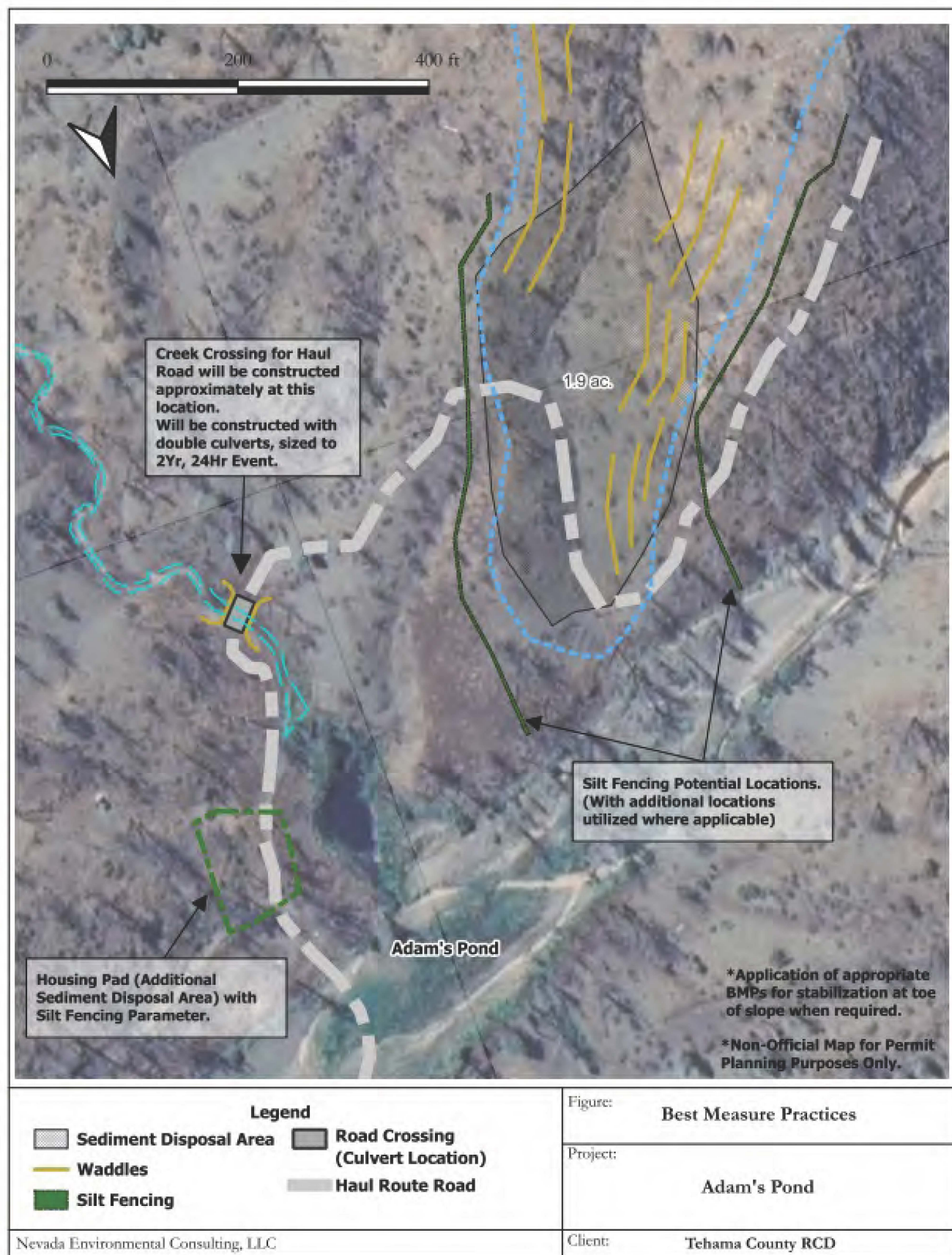
Created by: DELA 5/8/2025

Last updated: NA

NOTE: All data on this map is obtained from public sources and reflex accuracy of the original data. Information should not be used for delineations of legal boundaries.

Adam's Pond Restoration Project

Best Measure Practices



**Nevada
Environmental
Consulting, LLC**
5989 Home Gardens Dr,
Suite B, Reno, NV 89502
www.nvenv.net



Client:
**Tehama County Resource
Conservation District**

Location:
**40.2312611°, -122.7144722°,
Tehama County,
California
APN: 001-260-46-1
019-050-19-1**

Project:
**Adams Pond
Restoration
Project:
BMP Map Imagery**

1 inch = 100 ft

Created by: DELA 5/8/2025

Last updated: NA

NOTE: All data on this map is obtained from public sources and reflex accuracy of the original data. Information should not be used for delineations of legal boundaries.

Adam's Pond Restoration Project

Seed Mix:

- A native dominated bunchgrass and shrub mix shall be hand sown across restoration areas.
- Seeding Rate: 24 lbs. per acre

Species	Approx. % by weight
Yellow Sweet Clover	5%
Streambank Wheatgrass	5%
Ladino Clover	5%
Birdsfoot Trefoil	5%
Western Wheatgrass	8%
Crested Wheatgrass	10%
California Brome grass	10%
Dahurian Wildrye	10%
Paiute Orchardgrass	12%
Slender Wheatgrass	15%
Rush Intermediate Wheatgrass	15%
Wildflowers (Per landowners preference)	(Per landowners preference)

Restoration Specifications:

- Hand Harvest native shrub seeds from adjacent lands.
 - Sept-Nov harvest seed on property and hand broadcast from top of slopes
 - Live plantings of mature shrubs shall be limited to slopes <20% to avoid erosion (gullies) caused by shrubs.
- To ensure seed soil contact soil shall be harrowed immediately after sowing with a shall rake or chain harrow. Slopes above 20% shall received wood chip mulch and or weed free straw mulch.
- Placement of rock on restoration sites shall be cone at the direction of the restoration manager.
- All restored channels shall receive 2"-4" of clean (sediment free) rock mulch, sized appropriate to the slope and cross-section of the ephemeral channel.
- On site production of wood mulch shall be clean of invasive species seed.

**Nevada
Environmental
Consulting, LLC**
5989 Home Gardens Dr,
Suite B, Reno, NV 89502
www.nvenv.net



Client:

**Tehama County Resource
Conservation District**

Location:

**40.2312611°, -122.7144722°,
Tehama County,
California
APN: 001-260-46-1
019-050-19-1**

Project:

**Adams Pond
Restoration
Project
Sheet 6:
Restoration Plan**

1 inch = 100 ft

Created by: DELA 5/8/2025

Last updated: NA

NOTE: All data on this map is obtained from public sources and reflex accuracy of the original data. Information should not be used for delineations of legal boundaries.