The Poudre Headwaters Restoration Project is the largest and most ambitious native trout restoration project in Colorado’s history, and will provide a recovery stronghold for the federally-listed threatened Greenback cutthroat trout that can serve as a basis for ultimate delisting of the species. The decade-long project will reclaim approximately 38 miles of stream and 110 acres of lake habitat for the imperiled species across the headwaters of the Cache la Poudre River on the Arapaho National Forest and Rocky Mountain National Park.

The first construction phase of the project is installation of a fish barrier on the Grand Ditch outlet into the Poudre system at La Poudre Pass and will isolate the Greenback restoration habitat from western slope habitats intercepted by the Grand Ditch, outside of the Greenback’s native range. Once the barrier is installed and its effectiveness is confirmed, the first phase of non-native fish removal and native fish reintroduction can take place in the habitats from headwaters through Long Draw Dam; that collaborative effort with Colorado Parks and Wildlife will reclaim approximately 5 miles of stream and the 104 acres of Long Draw Reservoir as Greenback cutthroat trout habitat. CWCB funds will support construction of the Grand Ditch barrier as the necessary precursor to those other activities.

The Forest Service has completed barrier design, NEPA compliance, and secured the required 404 permits for this project. The project is ‘shovel ready’ and will be bid immediately upon approval.
To receive funding for a Water Plan Grant, applicant must demonstrate how the project, activity, or process (collectively referred to as “project”) funded by the CWCB will help meet the measurable objectives and critical actions in the Water Plan. Grant guidelines are available on the CWCB website.

If you have questions, please contact CWCB at (303) 866-3441 or email the following staff to assist you with applications in the following areas:

<table>
<thead>
<tr>
<th>Projects</th>
<th>Email Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water Storage &amp; Supply Projects</td>
<td><a href="mailto:Matthew.Stearns@state.co.us">Matthew.Stearns@state.co.us</a></td>
</tr>
<tr>
<td>Conservation, Land Use Planning</td>
<td><a href="mailto:Kevin.Reidy@state.co.us">Kevin.Reidy@state.co.us</a></td>
</tr>
<tr>
<td>Engagement &amp; Innovation Activities</td>
<td><a href="mailto:Ben.Wade@state.co.us">Ben.Wade@state.co.us</a></td>
</tr>
<tr>
<td>Agricultural Projects</td>
<td><a href="mailto:Alexander.Funk@state.co.us">Alexander.Funk@state.co.us</a></td>
</tr>
<tr>
<td>Water Sharing &amp; ATM Projects</td>
<td><a href="mailto:Alexander.Funk@state.co.us">Alexander.Funk@state.co.us</a></td>
</tr>
<tr>
<td>Environmental &amp; Recreation Projects</td>
<td><a href="mailto:Chris.Sturm@state.co.us">Chris.Sturm@state.co.us</a></td>
</tr>
</tbody>
</table>

**FINAL SUBMISSION:** Submit all application materials in one email to waterplan.grants@state.co.us in the original file formats [Application (word); Statement of Work (word); Budget/Schedule (excel)]. Please do not combine documents. In the subject line, please include the funding category and name of the project.

---

**Water Project Summary**

<table>
<thead>
<tr>
<th>Name of Applicant</th>
<th>Colorado Trout Unlimited</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name of Water Project</td>
<td>Poudre Headwaters Restoration – Grand Ditch Barrier</td>
</tr>
<tr>
<td>CWP Grant Request Amount</td>
<td>$299,853</td>
</tr>
<tr>
<td>Long Draw Mitigation Trust</td>
<td>$304,013</td>
</tr>
<tr>
<td>USDA Forest Service (in-kind)</td>
<td>$24,750</td>
</tr>
<tr>
<td>Other Funding Sources</td>
<td>$</td>
</tr>
<tr>
<td>Applicant Funding Contribution</td>
<td>$</td>
</tr>
<tr>
<td>Total Project Cost</td>
<td>$628,616</td>
</tr>
</tbody>
</table>
Applicant & Grantee Information

<table>
<thead>
<tr>
<th>Name of Grantee(s)</th>
<th>Colorado Trout Unlimited</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mailing Address</td>
<td>1536 Wynkoop Street, Suite 320, Denver, CO 80202</td>
</tr>
<tr>
<td>FEIN</td>
<td>84-0628113</td>
</tr>
<tr>
<td>Organization Contact</td>
<td>David Nickum</td>
</tr>
<tr>
<td>Position/Title</td>
<td>Executive Director</td>
</tr>
<tr>
<td>Email</td>
<td><a href="mailto:david.nickum@tu.org">david.nickum@tu.org</a></td>
</tr>
<tr>
<td>Phone</td>
<td>303-440-2937 x1</td>
</tr>
</tbody>
</table>

Grant Management Contact | David Nickum
| Position/Title | Executive Director |
| Email          | david.nickum@tu.org  |
| Phone          | 303-440-2937 x1      |

Name of Applicant
(if different than grantee)

Mailing Address

Position/Title

Email

Phone

Description of Grantee/Applicant

Provide a brief description of the grantee’s organization (100 words or less).

Colorado Trout Unlimited (CTU) is the grassroots state-based arm of the nonprofit organization Trout Unlimited, with 12,000 members in 24 chapters across Colorado. CTU advances its mission to conserve, protect and restore coldwater fisheries and their watersheds through collaborative on-the-ground projects, education, and advocacy. CTU members and staff are active in watershed coalitions and basin roundtables throughout the state, working to advance Colorado Water Plan goals for healthy rivers. Focus areas for CTU projects include stream management planning, native species recovery efforts, and aquatic and riparian habitat improvement.
### Type of Eligible Entity (check one)

<table>
<thead>
<tr>
<th>Type of Entity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Public (Government):</strong></td>
<td>Municipalities, enterprises, counties, and State of Colorado agencies. Federal agencies are encouraged to work with local entities. Federal agencies are eligible, but only if they can make a compelling case for why a local partner cannot be the grant recipient.</td>
</tr>
<tr>
<td><strong>Public (Districts):</strong></td>
<td>Authorities, Title 32/special districts (conservancy, conservation, and irrigation districts), and water activity enterprises.</td>
</tr>
<tr>
<td><strong>Private Incorporated:</strong></td>
<td>Mutual ditch companies, homeowners associations, corporations.</td>
</tr>
<tr>
<td><strong>Private Individuals, Partnerships, and Sole Proprietors:</strong></td>
<td>Private parties may be eligible for funding.</td>
</tr>
<tr>
<td><strong>Non-governmental organizations (NGO):</strong></td>
<td>Organization that is not part of the government and is non-profit in nature.</td>
</tr>
<tr>
<td><strong>Covered Entity:</strong></td>
<td>As defined in Section 37-60-126 Colorado Revised Statutes.</td>
</tr>
</tbody>
</table>

### Type of Water Project (check all that apply)

<table>
<thead>
<tr>
<th>Type of Water Project</th>
<th>Description</th>
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<tbody>
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<td>Study</td>
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</tr>
<tr>
<td>X Construction</td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
</tr>
</tbody>
</table>

### Category of Water Project (check the primary category that applies and include relevant tasks)

<table>
<thead>
<tr>
<th>Category of Water Project</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water Storage &amp; Supply</td>
<td>Projects that facilitate the development of additional storage, artificial aquifer recharge, and dredging existing reservoirs to restore the reservoirs’ full decreed capacity, multi-beneficial projects, water sharing agreements, Alternative Transfer Methods, and those projects identified in basin implementation plans to address the water supply and demand gap. Applicable Exhibit A Task(s):</td>
</tr>
<tr>
<td>Conservation and Land Use Planning</td>
<td>Activities and projects that implement long-term strategies for conservation, land use, water efficiency, and drought planning. Applicable Exhibit A Task(s):</td>
</tr>
<tr>
<td>Engagement &amp; Innovation</td>
<td>Activities and projects that support water education, outreach, and innovation efforts. Applicable Exhibit A Task(s):</td>
</tr>
<tr>
<td>Agricultural</td>
<td>Projects that provide technical assistance and improve agricultural efficiency. Applicable Exhibit A Task(s):</td>
</tr>
<tr>
<td>X Environmental &amp; Recreation</td>
<td>Projects that promote watershed health, environmental health, and recreation. Applicable Exhibit A Task(s): Construction of fish barrier &amp; associated channel reconstruction, Program Management and Administration</td>
</tr>
<tr>
<td>Other</td>
<td>Explain:</td>
</tr>
</tbody>
</table>
Location of Water Project

Please provide the general county and coordinates of the proposed project below in decimal degrees. The Applicant shall also provide, in Exhibit C, a site map if applicable.

<table>
<thead>
<tr>
<th>County/Counties</th>
<th>Latitude</th>
<th>Longitude</th>
</tr>
</thead>
<tbody>
<tr>
<td>Larimer</td>
<td>40.477275</td>
<td>-105.822275</td>
</tr>
</tbody>
</table>

Water Project Overview

Please provide a summary of the proposed water project (200 words or less). Include a description of the project and what the CWP Grant funding will be used for specifically (e.g., studies, permitting process, construction). Provide a description of the water supply source to be utilized or the water body affected by the project, where applicable. Include details such as acres under irrigation, types of crops irrigated, number of residential and commercial taps, length of ditch improvements, length of pipe installed, and area of habitat improvements, where applicable. If this project addresses multiple purposes or spans multiple basins, please explain.

The Applicant shall also provide, in Exhibit A, a detailed Statement of Work, Budget, Other Funding Sources/Amounts and Schedule.

Funding from the CWCB would support construction of a fish barrier at the outlet of the Grand Ditch as it delivers water into La Poudre Pass Creek. The barrier will be the first construction phase in the multi-year Poudre Headwaters Restoration Project, to restore a metapopulation of the federally listed Greenback cutthroat trout. The full project will provide connected habitat to over 38 miles of stream and more than 110 acres of lakes and reservoirs, supporting a large and resilient native trout population that addresses species recovery goals and will help enable delisting of the species under the Endangered Species Act. The Grand Ditch barrier will isolate the recovery area from west slope waters intercepted by the Grand Ditch. Once completed, the barrier combined with the existing Long Draw Dam will secure approximately 5 miles of recovery habitat and 104 acres of reservoir for the first phase of native trout restoration.

The Forest Service has completed barrier design, NEPA compliance, and secured the required 404 permits for this project. The project is ‘shovel ready’ and will be bid imminently (prior to CWCB’s grant decision) in order to pursue target construction dates for late end of summer/early autumn 2021.
Measurable Results

To catalog measurable results achieved with the CWP Grant funds, please provide any of the following values as applicable:

<table>
<thead>
<tr>
<th>Category</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>New Storage Created (acre-feet)</td>
<td></td>
</tr>
<tr>
<td>New Annual Water Supplies Developed or Conserved (acre-feet), Consumptive or Nonconsumptive</td>
<td></td>
</tr>
<tr>
<td>Existing Storage Preserved or Enhanced (acre-feet)</td>
<td></td>
</tr>
<tr>
<td>5 miles secured in this phase; 38 miles in total project</td>
<td>Length of Stream Restored or Protected (linear feet)</td>
</tr>
<tr>
<td>104 acres secured in this phase; ~115 acres secured in total project</td>
<td>Efficiency Savings (indicate acre-feet/year OR dollars/year)</td>
</tr>
<tr>
<td>1 recovery population – threatened species</td>
<td>Area of Restored or Preserved Habitat (acres)</td>
</tr>
<tr>
<td></td>
<td>Quantity of Water Shared through Alternative Transfer Mechanisms or water sharing agreement</td>
</tr>
<tr>
<td></td>
<td>Number of Coloradans Impacted by Incorporating Water-Saving Actions into Land Use Planning</td>
</tr>
<tr>
<td></td>
<td>Number of Coloradans Impacted by Engagement Activity</td>
</tr>
<tr>
<td></td>
<td>Other Explain: Once in place, the project, combined with existing Long Draw Dam, will allow for removal of nonnative fish and restoration of Greenback cutthroat trout as a first recovery population in the Long Draw area, which will ultimately be linked with other populations in a connected metapopulation across the Cache la Poudre headwaters.</td>
</tr>
</tbody>
</table>

Water Project Justification

Provide a description of how this water project supports the goals of [Colorado’s Water Plan](#), the [Analysis and Technical Update to the Water Plan](#), and the applicable Roundtable [Basin Implementation Plan](#) and [Education Action Plan](#). The Applicant is required to reference specific needs, goals, themes, or Identified Projects and Processes (IPPs), including citations (e.g. document, chapters, sections, or page numbers).

The proposed water project shall be evaluated based upon how well the proposal conforms to Colorado’s Water Plan Framework for State of Colorado Support for a Water Project (CWP, Section 9.4, pp. 9-43 to 9-44).
The Greenback cutthroat trout, Colorado’s state fish, is a federally-listed threatened species and in current condition could be at risk to be moved to endangered status. The Poudre Headwaters Restoration Project is a major step in recovering the species and ensuring its future resiliency, thereby reducing the risk of uplisting and ultimately providing a basis for delisting of the species. In addition to its necessary contribution to the long-term project results, the first phase Grand Ditch barrier will secure habitat allowing reclamation and restoration of the initially reintroduced population within the larger metapopulation project. Both short- and long-term, the project contributes to the Colorado Water Plan Critical Watershed Health, Environment, and Recreation Action #1:

“Continue to support and participate in collaborative approaches to prevent listing under the Endangered Species Act. Promote the sustainability of endangered, threatened, and imperiled aquatic- and riparian-dependent species and communities (e.g., recovery programs, cooperative agreements, and other efforts) by developing a plan that compiles and develops near-term projects and methods. At the same time, the CWCB will support the strategic implementation of currently identified projects with technical and financial assistance.”

Restoration at larger scale, as proposed with the Poudre Headwaters Restoration Project, has been identified by conservation biologists as a key strategy in providing resiliency for long-term species conservation including in the face of increased disruption from climate change. Indeed, the historic Cameron and East Troublesome fires – which burned portions of the Poudre headwaters – highlight the value of broader restoration efforts. While some subwatersheds were significantly impacted, others were not – suggesting that they would provide refugia for aquatic life. Securing a species across that larger range and with connectivity available allows for recolonization from those undisturbed patches of habitat following disruptions such as wildfire or flood. This approach advances the Colorado Water Plan Additional Critical Action #2:

“Evaluate and incorporate appropriate adaptation for the potential effects of climate change on municipal, industrial, environmental, and agricultural projects and methods that address the water supply gaps.”

The Poudre Headwaters Restoration project also aligns well with Colorado’s Water Values. The project reflects a commitment to collaboration, involving state, federal and private partners in implementation of the restoration program and serving as a collaborative approach to meeting mitigation requirements under permitting for the Long Draw Reservoir. The project addresses a proposed new focus area being integrated in the update of the South Platte/Metro Basin Implementation Plan. It demonstrates sustainability by applying conservation biology principles to recovery of a currently threatened species. Finally, it is fiscally and technically feasible, benefiting from a substantial seed money source of matching funds in the Long Draw Mitigation Trust established by the Water Supply and Storage Company and holding more than $1 million toward project implementation over the next ten years. The Trust will provide matching funds for this CWCB grant.
## Related Studies

Please provide a list of any related studies, including if the water project is complementary to or assists in the implementation of other CWCB programs.

None applicable.

## Previous CWCB Grants, Loans or Other Funding

List all previous or current CWCB grants (including WSRF) awarded to both the Applicant and Grantee. Include: 1) Applicant name; 2) Water activity name; 3) Approving RT(s); 4) CWCB board meeting date; 5) Contract number or purchase order; 6) Percentage of other CWCB funding for your overall project.

<table>
<thead>
<tr>
<th>Applicant Name</th>
<th>Water Activity Name</th>
<th>Approving RT(s)</th>
<th>CWCB Board Meeting Date</th>
<th>Contract Number or Purchase Order</th>
<th>Percentage of Other CWCB Funding for Overall Project</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colorado Trout Unlimited</td>
<td>Species Trust Big Barnes Fish Passage Design</td>
<td></td>
<td>1/8/16</td>
<td>PO PDAA 20160000000000006486</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>60%</td>
</tr>
<tr>
<td></td>
<td>South Boulder Creek Stream Management Plan – Phase I</td>
<td>Metro and South Platte Roundtables</td>
<td>1/21/19</td>
<td>POGG1,PDAA,201900002848</td>
<td>75%</td>
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<tr>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td></td>
<td>South Boulder Creek Stream Management Plan – Phase II</td>
<td>Metro and South Platte Roundtables</td>
<td>7/15/20</td>
<td>POGG1,PDAA,202100000046</td>
<td>75%</td>
</tr>
<tr>
<td></td>
<td></td>
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<td></td>
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</tr>
<tr>
<td></td>
<td>South Boulder Creek Stream Management Plan – Phase II Analysis</td>
<td>Metro and South Platte Roundtables</td>
<td>7/15/20</td>
<td>POGG1,PDAA,202100000050</td>
<td>75%</td>
</tr>
</tbody>
</table>

## Taxpayer Bill of Rights

The Taxpayer Bill of Rights (TABOR) may limit the amount of grant money an entity can receive. Please describe any relevant TABOR issues that may affect your application.

None applicable.
**Submittal Checklist**

| X | I acknowledge the Grantee will be able to contract with CWCB using the [Standard Contract](#). |
| X | Statement of Work<sup>(1)</sup> |
| X | Budget & Schedule<sup>(1)</sup> |
| X | Engineer's statement of probable cost (projects over $100,000) |
| X | Letters of Matching and/or Pending 3<sup>rd</sup> Party Commitments<sup>(1)</sup> |
| X | Map (if applicable)<sup>(1)</sup> |
| X | Photos/Drawings/Reports |
|  | Letters of Support (Optional) |
|  | Certificate of Insurance (General, Auto, & Workers’ Comp.)<sup>(2)</sup> |
| X | Certificate of Good Standing with Colorado Secretary of State<sup>(2)</sup> |
| X | W-9<sup>(2)</sup> |
|  | Independent Contractor Form<sup>(2)</sup> (If applicant is individual, not company/organization) |

**Water Sharing Agreements and Alternative Transfer Methods ONLY**

|  | Water Sharing Agreements and Alternative Transfer Methods [Supplemental Application]<sup>(1)</sup> |

---

<sup>(1)</sup> Required with application.  
<sup>(2)</sup> Required for contracting. While optional at the time of this application, submission can expedite contracting upon CWCB Board approval.
## Statement Of Work

<table>
<thead>
<tr>
<th>Date:</th>
<th>07/01/2021</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name of Grantee</td>
<td>Colorado Trout Unlimited</td>
</tr>
<tr>
<td>Name of Water Project</td>
<td>Poudre Headwaters Restoration – Grand Ditch Barrier</td>
</tr>
<tr>
<td>Funding Source</td>
<td>Colorado Water Plan Grant</td>
</tr>
</tbody>
</table>

### Water Project Overview:

The Poudre Headwaters Restoration Project is the largest and most ambitious native trout restoration project in Colorado’s history, and will provide a recovery stronghold for the federally-listed threatened Greenback cutthroat trout that can serve as a basis for ultimate delisting of the species. The decade-long project will reclaim approximately 38 miles of stream and 110 acres of lake habitat for the imperiled species across the headwaters of the Cache la Poudre River on the Arapaho National Forest and Rocky Mountain National Park.

The first construction phase of the project is installation of a fish barrier on the Grand Ditch outlet into the Poudre system at La Poudre Pass and will isolate the Greenback restoration habitat from western slope habitats intercepted by the Grand Ditch, outside of the Greenback's native range. Once the barrier is installed and its effectiveness is confirmed, the first phase of non-native fish removal and native fish reintroduction can take place in the habitats from headwaters through Long Draw Dam; that collaborative effort with Colorado Parks and Wildlife will reclaim approximately 5 miles of stream and the 104 acres of Long Draw Reservoir as Greenback cutthroat trout habitat. CWCB funds will support construction of the Grand Ditch barrier as the necessary precursor to those other activities.

### Project Objectives:

**Objective 1:** Isolate Greenback restoration habitat from west slope systems through an effective fish barrier on the Grand Ditch immediately below the Continental Divide at La Poudre Pass. Ensure installation fully supports continued historic operations of the Grand Ditch for delivery of water rights held by the Water Supply and Storage Company.
### Task 1 – Construction of fish barrier & associated channel reconstruction

**Description of Task:**

Installation of the fish barrier will include excavation of the channel to the new cross section as required to provide the necessary drop to prevent fish movement; placement of a concrete splash pad, retaining walls and cutoff walls; backfill around the concrete structure; and riprap placement for the apron and along the toe of channel slopes.

**Method/Procedure:**

- Excavation of the channel to the new cross section;
- Placement of riprap along toe of channel slopes;
- Construction of a concrete splash pad and flared transition to flume with concrete retaining and cutoff walls;
- Backfill around concrete structure;
- Placement of riprap apron;
- Removal off-site or stockpiling and shaping on-site of excavation spoils;
- Mitigation measures for the work including erosion control, dewatering with flow bypass, topsoil stripping and replacement, post construction placement of fiber rolls and seeding with hydro mulching.

A full statement of work being used in the RFP for construction is included with this application ("Section C – Statement of Work"), along with a copy of the design plans/specifications.

**Deliverable:**

Barrier and modified channel constructed to specifications.
Task 2 – Program Management and Administration

Description of Task:

Overall management of the project, including contracting and management, budget tracking, periodic and final reporting.

Method/Procedure:

- Issue RFP and administer contract issuance (pre-CWCB award).
- Manage and report on third party contracts for construction (CTU).
- On-site supervision during construction (USFS):
  - Oversee construction to design specifications;
  - Monitor to ensure mitigation measures are effectively applied.
- Grant administration and reporting - progress and final reports (CTU).

Deliverable:

Progress and final reports

Repeat for Task 3, Task 4, Task 5, etc.
Budget and Schedule

This Statement of Work shall be accompanied by a combined Budget and Schedule that reflects the Tasks identified in the Statement of Work and shall be submitted to CWCB in excel format.

Reporting Requirements

**Progress Reports:** The applicant shall provide the CWCB a progress report every 6 months, beginning from the date of issuance of a purchase order, or the execution of a contract. The progress report shall describe the status of the tasks identified in the statement of work, including a description of any major issues that have occurred and any corrective action taken to address these issues.

**Final Report:** At completion of the project, the applicant shall provide the CWCB a Final Report on the applicant’s letterhead that:
- Summarizes the project and how the project was completed.
- Describes any obstacles encountered, and how these obstacles were overcome.
- Confirms that all matching commitments have been fulfilled.
- Includes photographs, summaries of meetings and engineering reports/designs.

The CWCB will pay out the last 10% of the budget when the Final Report is completed to the satisfaction of CWCB staff. Once the Final Report has been accepted, and final payment has been issued, the purchase order or grant will be closed without any further payment.

Payment

Payment will be made based on actual expenditures and must include invoices for all work completed. The request for payment must include a description of the work accomplished by task, an estimate of the percent completion for individual tasks and the entire Project in relation to the percentage of budget spent, identification of any major issues, and proposed or implemented corrective actions.

Costs incurred prior to the effective date of this contract are not reimbursable. The last 10% of the entire grant will be paid out when the final deliverable has been received. All products, data and information developed as a result of this contract must be provided to as part of the project documentation.

Performance Measures

Performance measures for this contract shall include the following:
(a) Performance standards and evaluation: Grantee will produce detailed deliverables for each task as specified. Grantee shall maintain receipts for all project expenses and documentation of the minimum in-kind contributions (if applicable) per the budget in Exhibit C. Per Water Plan Grant Guidelines, the CWCB will pay out the last 10% of the budget when the Final Report is completed to the satisfaction of CWCB staff. Once the Final Report has been accepted, and final payment has been issued, the purchase order or grant will be closed without any further payment.
(b) Accountability: Per Water Plan Grant Guidelines full documentation of project progress must be submitted with each invoice for reimbursement. Grantee must confirm that all grant conditions have been complied with on each invoice. In addition, per Water Plan Grant Guidelines, Progress Reports must be submitted at least once every 6 months. A Final Report must be submitted and approved before final project payment.
(c) Monitoring Requirements: Grantee is responsible for ongoing monitoring of project progress per Exhibit A. Progress shall be detailed in each invoice and in each Progress Report, as detailed above. Additional inspections or field consultations will be arranged as may be necessary.

(d) Noncompliance Resolution: Payment will be withheld if grantee is not current on all grant conditions. Flagrant disregard for grant conditions will result in a stop work order and cancellation of the Grant Agreement.
## Budget and Schedule

**Prepared Date:** June 25, 2021  
**Name of Applicant:** Colorado Trout Unlimited  
**Name of Water Project:** Poudre Headwaters Restoration - Grand Ditch Barrier  
**Project Start Date:** July 2021 (exact date of mobilization TBD)  
**Project End Date:** November 30, 2021

<table>
<thead>
<tr>
<th>Task No.</th>
<th>Task Description</th>
<th>Task Start Date</th>
<th>Task End Date</th>
<th>Grant Funding Request</th>
<th>Match Funding</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
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<td>10/31/2021</td>
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<td>$0</td>
<td>$0</td>
</tr>
<tr>
<td>2</td>
<td>Project management and administration</td>
<td>7/15/2021</td>
<td>11/30/2021</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
</tr>
</tbody>
</table>

**Total**  
Total $0 $0 $0
## Colorado Water Conservation Board

### Water Plan Grant - Detailed Budget Estimate

**Fair and Reasonable Estimate**

**Prepared Date:** 25-Jun-21  
**Name of Applicant:** Colorado Trout Unlimited  
**Name of Water Project:** Poudre Headwaters Restoration - Grand Ditch Barrier

### Task 1 - Construction

<table>
<thead>
<tr>
<th>Sub-task</th>
<th>Unit</th>
<th>Quantity</th>
<th>Unit Cost</th>
<th>Total Cost</th>
<th>CWCB Funds</th>
<th>Matching Funds</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mobilization</td>
<td>LS</td>
<td>1</td>
<td>$106,088</td>
<td>$106,088</td>
<td>$</td>
<td>$106,088</td>
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<td>Const. survey &amp; staking</td>
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<tr>
<td>Clearing/grubbing/topsoil stripping</td>
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<td>LS</td>
<td>1</td>
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<tr>
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<td>CY</td>
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<td>Embankment Construction, Compaction</td>
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<td>$71</td>
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<td>$27,398</td>
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<tr>
<td>Placed riprap, Class 3 (comm. source)</td>
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<td>100</td>
<td>$197</td>
<td>$19,712</td>
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<tr>
<td>Concrete retaining wall, splashpad</td>
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<td>$172,480</td>
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<td>Placed conserved topsoil</td>
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<td>$3,351</td>
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<td>$2,681</td>
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<tr>
<td>Hydraulic seeding and erosion control</td>
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<td>$1,357</td>
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<td>Hauling of excavation spoils</td>
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<td>$0</td>
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<td>$593,727</td>
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### Task 2 - Project Management & Administration

<p>| Sub-task                                      |      |          |           |           |           |                |
| Indirect costs - grant management             | 0    | $289,713 | $10,140   | $10,140   | $          |                |
| USFS in-kind - project/contract administration |      | $24,750  |           | $24,750   | $          |                |</p>
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<thead>
<tr>
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<tbody>
<tr>
<td></td>
<td></td>
<td>$628,616.80</td>
<td>$299,853</td>
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</table>
Alternative 3 - Greenback Recovery

Legend

- **Proposed Recovery Areas**
- **Baker Gulch**
- **US Highway**
- **State Highway**
- **National Forest System Road**
- **Streams**

- **A** Existing Natural Barrier
- **B** Permanent Natural Barrier needing enhancement
- **C** Temporary Natural Barrier needing enhancement
- **D** Temporary Natural Barrier needing enhancement
- **E** Temporary Natural Barrier needing enhancement
- **F** Permanent Constructed Barrier
- **X** Barrier dropped between DEIS & FEIS

Map Created October 8, 2008 by J. Naylor
These directions are for planning purposes only. You may find that construction projects, traffic, weather, or other events may cause conditions to differ from the map results, and you should plan your route accordingly. You must obey all signs or notices regarding your route.
CONSTRUCTION TRAFFIC ONLY BEYOND THIS POINT, SIGN TO PERMIT NON-MOTORIZED TRAIL USE AND EMERGENCY VEHICLE ACCESS BEYOND PROJECT LOCATION

PROJECT LOCATION, PROVIDE SIGNED TRAIL AROUND PERIMETER OF WORK AREA

TRAILHEAD TO REMAIN OPEN TO THE PUBLIC

TO STATE HIGHWAY 14
<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>DESCRIPTION</th>
<th>UNIT</th>
<th>QUANTITY</th>
<th>REMARKS</th>
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<tbody>
<tr>
<td>15101</td>
<td>MOBILIZATION</td>
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<td>ALL</td>
<td>INCLUDES WEED MITIGATION CLEANING OF EQUIPMENT</td>
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<tr>
<td>15201</td>
<td>CONSTRUCTION SURVEY AND STAKING, METHOD 1, TOLERANCE A</td>
<td>LS</td>
<td>ALL</td>
<td>INCLUDES ALL PHASES OF SURVEYING TO CONSTRUCT PROJECT AND DELINEATING AVOIDANCE, STAGING AND STOCKPILE AREAS.</td>
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<tr>
<td>15713</td>
<td>SOIL EROSION AND POLLUTION CONTROL AND DEWATERING</td>
<td>LS</td>
<td>ALL</td>
<td>INCLUDES ALL LABOR AND MATERIALS REQUIRED FOR DURATION OF PROJECT</td>
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<tr>
<td>20101</td>
<td>CLEARING, GRUBBING AND TOPSOIL STRIPPING</td>
<td>LS</td>
<td>ALL</td>
<td>INCLUDES MARKING OF CLEARING LIMITS, SALVAGE AND STOCKPILING OF TOPSOIL, HARVEST OF WILLOW SHOOTS, AND CHIPPING OF WOODY DEBRIS</td>
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<tr>
<td>20405</td>
<td>CHANNEL EXCAVATION, TOLERANCE CLASS C</td>
<td>CY</td>
<td>3400</td>
<td>EXCAVATION OF THE CHANNEL TO THE LIMITS SHOWN, INCLUDING OVEREXCAVATION FOR PLACEMENT OF RIPRAP</td>
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<tr>
<td>20411</td>
<td>ROCK EXCAVATION</td>
<td>CY</td>
<td>1500</td>
<td>EXCAVATION OF THE CHANNEL AND FOR THE STRUCTURE BY CONTRACTOR SELECTED MEANS WHEN LARGE BOULDERS (OVER 2 CY) OR BEDROCK IS ENCOUNTERED</td>
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<td>20417</td>
<td>EMBANKMENT CONSTRUCTION, COMPACTION METHOD 2</td>
<td>CY</td>
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<td>PLACEMENT OF EXCAVATION SPOILS ABOVE STRUCTURAL BACKFILL TO COMPLETE SLOPE CONSTRUCTION BEHIND RETAINING WALLS</td>
</tr>
<tr>
<td>20901</td>
<td>STRUCTURE EXCAVATION</td>
<td>CY</td>
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<td>EXCAVATION FOR PLACEMENT OF THE CONCRETE SPLASH PAD AND RETAINING WALLS</td>
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<tr>
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<td>STRUCTURAL BACKFILL</td>
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<td>110</td>
<td>INCLUDES FURNISHING ALL LABOR, CONCRETE, REINFORCING, FORMING AND FINISHING MATERIALS AND EQUIPMENT</td>
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<tr>
<td>62404</td>
<td>PLACING CONSERVED TOPSOIL, UNIFORM DEPTH</td>
<td>LS</td>
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<td>SEED WILL BE GOVERNMENT FURNISHED, INCLUDES PLACEMENT OF FIBER ROLLS ON SLOPES</td>
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<tr>
<td>62501</td>
<td>HYDRAULIC SEEDING AND EROSION CONTROL</td>
<td>SY</td>
<td>1700</td>
<td><img src="image-url" alt="Image" /></td>
</tr>
</tbody>
</table>

**OPTION 1**

| 1 | HAULING OF EXCAVATION SPOILS | CY-MI | 129000 | EQUIPMENT AND LABOR TO MOVE AND PLACE EXCESS SPOILS IN AN OFFSITE LOCATION WITHIN 30 MILES OF THE SITE. SHAPING OF THE DISPOSED MATERIALS WILL BE REQUIRED TO LEAVE IN A UNIFORM APPEARANCE FITTING THE SITE AS DIRECTED BY THE CO. EITHER OPTION 1 OR 2 WILL BE AWARDED |

**OPTION 2**

| 2 | STOCKPILE EXCAVATION SPOILS   | CY    | 4300   | EQUIPMENT AND LABOR TO STOCKPILE EXCAVATION SPOILS IN AREA IDENTIFIED ON PLANS. SHAPING OF THE DISPOSED MATERIALS WILL BE REQUIRED TO LEAVE IN A UNIFORM APPEARANCE FITTING THE SITE AS DIRECTED BY THE CO. EITHER OPTION 1 OR 2 WILL BE AWARDED |

**OPTION 3**

| 25103 | PLACED RIPRAP, CLASS 3 (COMMERCIAL SOURCE) | CY | 100 | FURNISH AND PLACE RIPRAP AS INDICATED ON PLANS. OPTION WILL ONLY BE EXECUTED IF SUFFICIENT MATERIAL CANNOT BE SITE GENERATED. SUPPLIED MATERIAL TO MATCH COLOR, TEXTURE AND APPEARANCE OF ON-SITE MATERIAL. |

---

- ALL UNITS WILL BE MEASURED AS ACTUAL QUANTITY, UNLESS DENOTED BY AN ASTERISK (*), AND PAID ACCORDING TO FAR CLAUSE 52.211-18, VARIATION IN ESTIMATED QUANTITY. IF DENOTED BY AN ASTERISK, THE QUANTITY IS MEASURED AS CONTRACT QUANTITY. DEFINITIONS OF UNITS OF MEASURE CAN BE FOUND IN FP-14 SECTION 109.
- ALL ITEMS INCLUDE ASSOCIATED LABOR, MATERIALS, EQUIPMENT, OVERHEAD AND PROFIT TO COMPLETE THE WORK IDENTIFIED.

---

*Image included*
GENERAL NOTES:

SPECIFICATION:

MATERIALS AND CONSTRUCTION OF THIS PROJECT SHALL BE IN ACCORDANCE WITH THE STANDARD SPECS FOR CONSTRUCTION OF ROADS AND BRIDGES ON FEDERAL HIGHWAY PROJECTS (FP-14) AND CONTRACT SUPPLEMENTAL SPECIFICATIONS. REFER TO SECTION H OF THE CONTRACT FOR ORDER OF PRECEDENT OF DOCUMENTS AND FURTHER DIRECTION.

MATERIALS:

1. CONCRETE: REINFORCED CONCRETE SHALL BE CLASS A(AE) WITH A 28 DAY COMPRESSIVE STRENGTH OF 4500 PSI WITH AN ENTRAINED AIR CONTENT OF 4.0% TO 7.0% AND MAXIMUM AGGREGATE SIZE OF 1 ½”. ALL CONCRETE TO BE MADE IN ACCORDANCE WITH AN APPROVED MIX DESIGN. ALL EXPOSED CAST-IN-PLACE CONCRETE SHALL BE GIVEN A CLASS 2 “RUBBLED FINISH”. ALL FORMED SURFACES TO BE BACKFILLED SHALL BE GIVEN A CLASS 1 “ORDINARY FINISH”. FLOOR OF SPLASH PAD SHALL RECEIVE A BROOM FINISH. CHAMFER ALL EXPOSED EDGES AND FILLET RE-ENTRANT CORNERS 1/4” (UNLESS NOTED OTHERWISE). REFER TO SECTION 552 OF FP-14.

2. REINFORCING STEEL: EPOXY COATED, DEFORMED TYPE CONFORMING TO AASHTO M31 (ASTM A615) GRADE 60 AND ASTM A775, TWO INCH CONCRETE COVER TYPICAL, 3 INCH WHEN CAST DIRECTLY AGAINST A ROCK, EXCEPT AS NOTED, CUTTING AND BENDING SHALL CONFORM TO ACI 315. REFER TO SECTION 554 OF FP-14.

3. RIP-RAP: CLASS SHALL BE AS STATED ON THE PLANS AND DETAILS. PLACEMENT SHALL BE PER SECTION 208. NO RIP-RAP SHALL BE PLACED UPSTREAM OF THE CATCH LINE. EXCAVATION SpoILS SHALL BE UTILIZED AS RIP-RAP WHEN IN COMPLIANCE WITH FP-14 SECTION 705.02, INCLUDING DESIGNATED GRADATION. SITE GENERATED ROCK THAT IS SUB-ANGULAR IS ACCEPTABLE. EFFORT SHALL BE MADE TO MIX THE ANGULAR AND SUB-ANGULAR ROCK PRIOR TO PLACEMENT. IMPORTED RIP-RAP, IF REQUIRED, SHALL HAVE THE SAME COLOR AND TEXTURAL APPEARANCE AS THE ROCK FOUND ON-SITE.

FOUNDBATION NOTES:

CONCRETE FOUNDATION SHALL BE PLACED ON SUITABLE IN SITU MATERIAL THAT HAS BEEN SCARIFIED TO A DEPTH OF 6” AND COMPACTED PER SECTION 208.10. UNSUITABLE MATERIAL SHALL BE REMOVED TO A DEPTH OF 18” BELOW FOOTING AND BACKFILLED WITH STRUCTURAL BACKFILL MATERIAL PER SECTION 208.09. IF BEDROCK IS ENCOUNTERED AT BEARING DEPTH, REMOVE LOOSE PIECES AND SWEEP CLEAN. THICKEN FOOTING BELOW BOTTOM REINFORCEMENT TO MEET BEDROCK AS NECESSARY.

SITE CONDITIONS:

1. TOPSOILS AT THE SITE ARE GIW-GC (GRAVELS WITH SAND AND CLAY) USING UNIFIED SOIL CLASSIFICATION. META-IGNEOUS ROCK, SUCH AS WEATHERED GRANITE OR GNEISS, WAS OBSERVED ON THE SURFACE AND IN TEST PITS TO 5 FT DEPTHS. ROCK OBSERVED MAY BE BEDROCK OR LARGE BOULDER.

2. IMPACT HAMMER OR BLASTING MAY BE REQUIRED TO COMPLETE EXCAVATION. A BLASTING PLAN SHALL BE SUBMITTED TO THE CONTRACTING OFFICER (CO) IN COMPLIANCE WITH SECTION 205 OF FP-14 AND APPROVED PRIOR TO BEGINNING BLASTING OPERATIONS.

3. ALL TOPSOIL ENCOUNTERED WITHIN EXCAVATION AND FILL AREAS SHALL BE STRIPPED AND StockPiled IN APPROVED LOCATIONS FOR USE IN REHAB POST CONSTRUCTION.

DEWATERING AND SOIL EROSION CONTROL:

1. PROTECT AGAINST SOIL EROSION AND SEDIMENTATION DURING CONSTRUCTION IN ACCORDANCE WITH SECTION 157 AND 208. THE FLUME WILL BE CONVEYING WATER UNTIL EARLY SEPTEMBER. FLOW VOLUMES AND BETWEEN CATCH DATES WILL BE SHARED PRIOR TO CONTRACT START DATE. CONTRACTOR SHALL ALSO ANTICIPATE SURFACE OR GROUND WATER INFILTRATING THE EXCAVATIONS. ALL WORK SHALL BE COMPLETED PER THE CONTRACT SPECIFICATIONS, STANDING OR RUNNING WATER IN THE WORK AREA DOES NOT REQUIRE THE CONTRACTOR FROM MEETING THE SPECIFICATIONS.

CONSTRUCTION NOTES:

1. WATER STORAGE AND SUPPLY (WSS) WILL BE REPLACING THE CONCRETE FLUME STRUCTURE WITHIN THE SAME TIME FRAME OF THIS PROJECT. ADDITIONAL STAGING AREAS FOR WSS WILL BE PROVIDED. CONSTRUCTION PERMITS WILL BE REQUIRED FOR THE WSS. CONTRACTOR COORDINATION WILL BE REQUIRED FOR SITE ACCESS, SIGNING, DEWATERING, AND AT THE CONCRETE STRUCTURE TO FLUME INTERFACE. THE CO SHALL BE APPRISED OF ALL AGREEMENTS MADE BETWEEN THE CONTRACTOR AND WSS WITHIN 48 HOURS OR BEFORE THE WORK TAKES PLACE, WHICHEVER COMES FIRST.

2. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL FEDERAL, STATE AND LOCAL PERMITS REQUIRED TO COMPLETE THE WORK OF THIS CONTRACT, UNLESS OTHERWISE TOLD BY THE CO. AFFORDABLE OR LAGRE DEPRESSED TABLE PERMITS ARE REQUIRED FOR FISHING "FLUME" ACTIVITIES. AS WELL AS CONSTRUCTION ACTIVITIES MAY BE OBTAINED FROM NEOTA CREEK WHERE IT PASSES UNDER LONG DRAW ROAD. ENSURE PROPER WATER DRAFTING PROTOCOLS ARE MET.

3. CONTRACTOR ACTIVITIES SHALL BE CONFINED BELOW THE CUTOFF LINE ALONG RIVER RIGHT BETWEEN STA 4+00 AND 4+50. CLEARING LIMITS FOR THIS AREA ARE 1 FOOT BEYOND THE CUTOFF LINE. TAPERING UP TO 10 FEET BETWEEN STA 4+50 AND 4+70.

4. THE WILDERNESS AREA OUTSIDE OF THE CLEARING LIMITS SHALL BE TREATED AS AN AVOIDANCE AREA BY THE CONTRACTOR. CHAIN LINK SAFETY FENCING. FENCING SHALL BE MAINTAINED FOR THE DURATION OF THE PROJECT.

5. MASTICATE ALL WOOD MATERIAL CLEARED FROM PROJECT SITE INTO MULCH AND INCORPORATE INTO STRIPPED TOPSOIL. ALL EXCAVATION AREAS. ALL EXCAVATION AND OTHER WORK FOR ACCESS IS INDIRECT TO THE ITEM. CO APPROVAL IS REQUIRED PRIOR TO PLACEMENT OF THE FOLLOWING ITEMS: RIPRAPP, CONCRETE FORMS, STRUCTURAL CONCRETE, SEEDING, AND STREAM FLOW THROUGH TEMPORARY Bypass OR OVER NEWLY CONSTRUCTED STREAMBED.

6. REMOVE ALL CONSTRUCTION RELATED DEBRIS FROM FEDERAL LAND PRIOR TO FINAL ACCEPTANCE.

7. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF ANY DAMAGE TO ROADS AND FACILITIES THAT OCCURS AS A RESULT OF CONSTRUCTION RELATED ACTIVITIES. REFER TO SECTION 104 OF THE SPECS.

8. STORING OF ALL EQUIPMENT AND MATERIALS ON FEDERAL LANDS WILL BE AT THE CONTRACTOR’S DISCRETION. MISPLACEMENT, EMERGENCY VEHICLES AND NEARBY RECREATIONAL ACCESS SHALL BE MAINTAINED.
### Test Pits

<table>
<thead>
<tr>
<th>Station</th>
<th>Offset</th>
<th>Ground Elevation</th>
<th>Depth to Refusal</th>
</tr>
</thead>
<tbody>
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<td>8.89' R</td>
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</tr>
<tr>
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<td>4'</td>
</tr>
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<tr>
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<tr>
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<td>10129.18</td>
<td>5'</td>
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<td>3+58.71</td>
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<td>4'</td>
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<td>3+90.40</td>
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<td>5+17.95</td>
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<tr>
<td>5+41.41</td>
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</tr>
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<tr>
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<tr>
<td>5+99.97</td>
<td>13.17' R</td>
<td>10132.30</td>
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</tr>
</tbody>
</table>

**Note:** Offset is based upon looking from station 0+00 upstream. This is opposite the bank designations. Depth to refusal may have changed since tested due to impacts of channel flow.

### Line Table: Alignments

<table>
<thead>
<tr>
<th>Line #</th>
<th>Length</th>
<th>Direction</th>
<th>Start Station</th>
<th>Start (E) Elevation</th>
<th>Start (P) Elevation</th>
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</thead>
<tbody>
<tr>
<td>L1</td>
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<tr>
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<tr>
<td>L3</td>
<td>22.24'</td>
<td>S21° 34' 34.65&quot;W</td>
<td>0+45.90</td>
<td>1963726.9115</td>
<td>2910733.5338</td>
</tr>
<tr>
<td>L4</td>
<td>20.01'</td>
<td>S27° 34' 37.28&quot;W</td>
<td>0+68.13</td>
<td>1963706.2339</td>
<td>2910725.3566</td>
</tr>
<tr>
<td>L5</td>
<td>18.03'</td>
<td>S30° 22' 25.78&quot;W</td>
<td>0+88.14</td>
<td>1963688.4886</td>
<td>2910716.0941</td>
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<tr>
<td>L6</td>
<td>30.36'</td>
<td>S22° 30' 40.18&quot;W</td>
<td>0+16.17</td>
<td>1963672.9469</td>
<td>2910706.9795</td>
</tr>
<tr>
<td>L7</td>
<td>13.74'</td>
<td>S18° 14' 01.28&quot;W</td>
<td>0+36.53</td>
<td>1963644.8979</td>
<td>2910695.3548</td>
</tr>
<tr>
<td>L8</td>
<td>28.55'</td>
<td>S30° 03' 50.04&quot;W</td>
<td>0+50.27</td>
<td>1963631.8466</td>
<td>2910691.0553</td>
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<tr>
<td>L9</td>
<td>15.60'</td>
<td>S36° 11' 29.59&quot;W</td>
<td>0+78.82</td>
<td>1963607.1368</td>
<td>2910676.7523</td>
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<tr>
<td>L10</td>
<td>28.91'</td>
<td>S42° 44' 24.04&quot;W</td>
<td>0+94.42</td>
<td>1963594.5455</td>
<td>2910667.5398</td>
</tr>
<tr>
<td>L11</td>
<td>25.28'</td>
<td>S49° 19' 02.45&quot;W</td>
<td>0+23.34</td>
<td>1963573.3102</td>
<td>2910647.9170</td>
</tr>
<tr>
<td>L12</td>
<td>34.55'</td>
<td>S46° 50' 49.80&quot;W</td>
<td>0+48.61</td>
<td>1963558.8340</td>
<td>2910628.7499</td>
</tr>
<tr>
<td>L13</td>
<td>36.13'</td>
<td>S37° 05' 48.58&quot;W</td>
<td>0+83.17</td>
<td>1963333.2006</td>
<td>2910603.5413</td>
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<tr>
<td>L14</td>
<td>16.62'</td>
<td>S18° 23' 22.87&quot;W</td>
<td>0+19.30</td>
<td>1963504.3796</td>
<td>2910581.7466</td>
</tr>
<tr>
<td>L15</td>
<td>27.76'</td>
<td>S30° 04' 39.48&quot;W</td>
<td>0+36.22</td>
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<tr>
<td>L16</td>
<td>60.17'</td>
<td>S40° 27' 07.93&quot;W</td>
<td>0+63.98</td>
<td>1963464.3034</td>
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<tr>
<td>L17</td>
<td>101.58'</td>
<td>S32° 13' 25.16&quot;W</td>
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<td>1963418.5162</td>
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<tr>
<td>L18</td>
<td>136.84'</td>
<td>S44° 27' 05.61&quot;W</td>
<td>0+52.73</td>
<td>1963332.5844</td>
<td>2910469.2939</td>
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</tbody>
</table>

**Note:** Start (E) Elevation is the existing ground elevation at the start of the line and Start (P) Elevation is the proposed elevation at that same location.
BEGIN CLASS 2 RIPRAP
STA: 0+25.00
OFF: 12.00' R
NORTHING: 1963750.31
EASTING: 2910727.78

BEGIN CLASS 2 RIPRAP
STA: 0+75.00
OFF: 12.00' L
NORTHING: 1963694.59
EASTING: 2910732.81

NOTES:
- REFER TO GENERAL NOTES ON G0-04
- REFER TO LEGEND ON C1-02
- SEE SHEET C1-03 FOR ALIGNMENT DATA
- SEE SHEET C3-01 FOR TYPICAL CROSS SECTION
- SEE SHEET C3-02 THRU C3-03 FOR CROSS SECTIONS
CUT CATCH LINE

NEW TOE OF SLOPE

CLASS 2 RIPRAP, TOP EDGE TO FOLLOW CUT CATCH LINE BELOW STA 4+00

LIMITS OF DISTURBANCE, DELINEATE WITH ORANGE SAFETY FENCING TO STA 5+00

CENTRELINE ALIGNMENT OF LA Poudre Pass Creek RECONSTRUCTION WORK

NOTES:
- REFER TO GENERAL NOTES ON G0-04
- REFER TO LEGEND ON C1-02
- SEE SHEET C1-03 FOR ALIGNMENT DATA
- SEE SHEET C3-01 FOR TYPICAL CROSS SECTION
- SEE SHEETS C3-03 THRU C3-05 FOR CROSS SECTIONS

STAGING AREA

ARAPAHO ROOSEVELT NATIONAL FOREST

ROCKY MOUNTAIN NATIONAL PARK

NEW CONSTRUCTION CONTOURS, TYP.

CUT CATCH LINE

NEW TOE OF SLOPE

LA Poudre Pass CK

CLASS 2 RIPRAP TYP.
TYPICAL CHANNEL CROSS SECTION
STA 0+12.60 TO STA 5+63.44

TYPICAL APRON CROSS SECTION
STA 5+63.44 TO STA 5+91.44

Sheet Notes:
- Refer to General Notes on G0-04
- Sections are looking down stream
- Refer to FP-14 Section 705 for Riprap Specifications
- Bedrock may be encountered and shall be excavated to the limits shown
- Over excavation of competent bedrock for placement of riprap not required

Existing Ground

Class 2 Riprap 22" Thick Mat, TYP.

Class 3 Riprap 28" Thick Mat, TYP.

Application of Bonded Fiber Matrix with Seed to New Cut Slopes, Hydraulic Method

1.5H:1V Cut Slope, TYP.

2.00' TYP.

28.00' TYP.

Top Edge of Riprap shall be limited to the lesser of 3.50' above Channel Bottom or the Cut Catch Line along Right Bank

Typical High Water

Typical Channel Cross Section
STA 0+12.60 TO STA 5+63.44

Typical Apron Cross Section
STA 5+63.44 TO STA 5+91.44

APPLICATION BONDING FIBER MATRIX WITH SEED TO NEW CUT SLOPES, HYDRAULIC METHOD

INSTALL ORANGE SAFETY FENCE ALONG LIMITS OF DISTURBANCE OF ANGLER BANK FROM STA 0+00 TO 5+00

EXISTING GROUND
SHEET NOTES:

- SEE SHEET C3-01 FOR TYPICAL SECTION
- SEE SHEET C1-04 FOR SECTION LOCATION ON PLAN
- SECTIONS ARE LOOKING DOWNSTREAM
channels cross sections sta 2+00 thru 3+00

sheet notes:
- see sheet c3-01 for typical section
- see sheet c1-04 and c1-05 for section location on plan
- sections are looking downstream

data:
- station 2+00.00
  - finished elev = 10124.92
  - existing ground surface
  - excavated ground surface

- station 2+50.00
  - finished elev = 10125.31
  - existing ground surface
  - excavated ground surface

- station 3+00.00
  - finished elev = 10125.70
  - existing ground surface
  - excavated ground surface
CHANNEL CROSS
SECTIONS
STA 5+00 THRU 5+50

EXISTING GROUND SURFACE
EXCAVATED GROUND SURFACE
FINISHED ELEV = 10127.26
FINISHED ELEV = 10127.66
FINISHED ELEV = 10127.76

START RIPRAP APRON

Sheet Notes:
- See Sheet C3-01 for typical section
- See Sheet C1-05 for section location on plan
- Sections are looking downstream
Sheet Notes:

- See Sheet C3-01 for Typical Channel Section
- See Sheet C4-01 for Splash Pad Sections
- See Sheet C1-06 for Section Location on Plan
- Sections are looking downstream

Existing Ground Surface

Excavated Surface for Splash Pad Construction

Splash Pad Backfill Surface, Slope Varies

Concrete Splash Pad

Finished Elev = 10128.06

Finished Elev = 10127.99

Finished Elev = 10128.20

ARAPAHO ROOSEVELT NATIONAL FORESTS AND PAWNEE NATIONAL GRASSLAND

CANYON LAKES RANGER DISTRICT

UNITED STATES DEPARTMENT OF AGRICULTURE
FOREST SERVICE

P.FLEISCHMANN

WTR-17-0210-001

C3-06
Sheet Notes:

- See Sheet C3-01 for typical channel section
- See Sheet C4-02 for splash pad sections
- See Sheet C1-06 for section location on plan
- Sections are looking downstream

ELEVATION (FEET)
OFFSET (FEET)

Station 6+30.94
Concrete transition end

Station 6+50.00
Existing flume

Finished Elevation = 10133.21

Existing ground surface

Transition backfill surface, slope varies

Excavated surface for transition construction

Existing concrete flume, to be replaced by others

Concurrent transition section
FILL SLOPE, TYP.

PLACE STRUCTURAL BACKFILL CONFORMING TO SPEC SECTION 258, TYP.

1:1 EXCAVATION SLOPE, TYP.

GEOCOMPOSITE SHEET DRAIN PER SPEC SECTION 605, 2' WIDE CENTERED ON EACH WEEP HOLE, START 3' BELOW TOP OF WALL AND EXTEND 3' BELOW BOTTOM OF WEEP HOLE, TYP.

VARIES 1:3.5 MAX

WEAKENED PLANE OR CONSTRUCTION JOINT ALONG CENTER OF PAD SEE DETAIL SHEET C5-03

3" DIA WEEP HOLE AT 3' SPACING, SLOPE TOWARDS FRONT AT 2%, FORM WITH SCH 40 PVC PIPE, TYP.

1:1 EXCAVATION SLOPE, TYP.

PLACE STRUCTURAL BACKFILL CONFORMING TO SPEC SECTION 258, TYP.

CONCRETE WING WALL, SEE DETAIL SHEET C5-02

CONCRETE CUTOFF WALL, SEE DETAIL SHEET C5-02

GEOCOMPOSITE SHEET DRAIN PER SPEC SECTION 605, 2' WIDE CENTERED ON EACH WEEP HOLE, START 9" BELOW TOP OF WALL AND EXTEND 3" BELOW BOTTOM OF WEEP HOLE, TYP.

WEAKENED PLANE OR CONSTRUCTION JOINT ALONG CENTER OF PAD SEE DETAIL SHEET C5-03

3" DIA WEEP HOLE AT 3' SPACING, SLOPE TOWARDS FRONT AT 2%, FORM WITH SCH 40 PVC PIPE, TYP.

PLACE STRUCTURAL BACKFILL CONFORMING TO SPEC SECTION 258, TYP.

1:1 EXCAVATION SLOPE, TYP.

CONCRETE CUTOFF WALL, SEE DETAIL SHEET C5-02

GEOCOMPOSITE SHEET DRAIN PER SPEC SECTION 605, 2' WIDE CENTERED ON EACH WEEP HOLE, START 9" BELOW TOP OF WALL AND EXTEND 3" BELOW BOTTOM OF WEEP HOLE, TYP.

WEAKENED PLANE OR CONSTRUCTION JOINT ALONG CENTER OF PAD SEE DETAIL SHEET C5-03

3" DIA WEEP HOLE AT 3' SPACING, SLOPE TOWARDS FRONT AT 2%, FORM WITH SCH 40 PVC PIPE, TYP.

PLACE STRUCTURAL BACKFILL CONFORMING TO SPEC SECTION 258, TYP.

1:1 EXCAVATION SLOPE, TYP.

CONCRETE WING WALL, SEE DETAIL SHEET C5-02

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WEAKENED PLANE OR CONSTRUCTION JOINT ALONG CENTER OF PAD SEE DETAIL SHEET C5-03

3" DIA WEEP HOLE AT 3' SPACING, SLOPE TOWARDS FRONT AT 2%, FORM WITH SCH 40 PVC PIPE, TYP.

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1:1 EXCAVATION SLOPE, TYP.

CONCRETE WING WALL, SEE DETAIL SHEET C5-02

CONCRETE CUTOFF WALL, SEE DETAIL SHEET C5-02

GEOCOMPOSITE SHEET DRAIN PER SPEC SECTION 605, 2' WIDE CENTERED ON EACH WEEP HOLE, START 9" BELOW TOP OF WALL AND EXTEND 3" BELOW BOTTOM OF WEEP HOLE, TYP.

WEAKENED PLANE OR CONSTRUCTION JOINT ALONG CENTER OF PAD SEE DETAIL SHEET C5-03

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CONCRETE WING WALL, SEE DETAIL SHEET C5-02

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1:1 EXCAVATION SLOPE, TYP.

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WEAKENED PLANE OR CONSTRUCTION JOINT ALONG CENTER OF PAD SEE DETAIL SHEET C5-03

3" DIA WEEP HOLE AT 3' SPACING, SLOPE TOWARDS FRONT AT 2%, FORM WITH SCH 40 PVC PIPE, TYP.

PLACE STRUCTURAL BACKFILL CONFORMING TO SPEC SECTION 258, TYP.

1:1 EXCAVATION SLOPE, TYP.

CONCRETE WING WALL, SEE DETAIL SHEET C5-02

CONCRETE WING WALL, SEE DETAIL SHEET C5-02

PLACE STRUCTURAL BACKFILL CONFORMING TO SPEC SECTION 258, TYP.

1:1 EXCAVATION SLOPE, TYP.

GEOCOMPOSITE SHEET DRAIN PER SPEC SECTION 605, 2' WIDE CENTERED ON EACH WEEP HOLE, START 9" BELOW TOP OF WALL AND EXTEND 3" BELOW BOTTOM OF WEEP HOLE, TYP.

WEAKENED PLANE OR CONSTRUCTION JOINT ALONG CENTER OF PAD SEE DETAIL SHEET C5-03

3" DIA WEEP HOLE AT 3' SPACING, SLOPE TOWARDS FRONT AT 2%, FORM WITH SCH 40 PVC PIPE, TYP.
**TYPICAL TRANSITION CROSS SECTION C-C**

- Coordinate flume interface with water storage and supply. Provide dowels or extend every other inside face bars.
- WEAKENED PLANE OR CONSTRUCTION JOINT along center of pad. See detail sheet C5-03.
- Fill slope, TYP.
- SPLASH PAD SHALL BE INSTALLED ON PROFILE GRADE END WALL, SEE DETAIL ON C5-02.
- END WALL, SEE DETAIL ON C5-02.
- Cut-off wall, see detail on C5-02.
- Maintain 3" clear between top of wall and toe of slope.
- Place structural backfill conforming to spec section 258, TYP.
- 1:1 excavation slope, TYP.
- WEAKENED PLANE OR CONSTRUCTION JOINT along center of pad. See detail sheet C5-03.
- 6" compacted in situ material.
- Coordinate flume interface with water storage and supply. Provide dowels or extend every other inside face bars.
- WEAKENED PLANE OR CONSTRUCTION JOINT along center of pad. See detail sheet C5-03.
- Fill slope, TYP.
- SPLASH PAD SHALL BE INSTALLED ON PROFILE GRADE END WALL, SEE DETAIL ON C5-02.
- END WALL, SEE DETAIL ON C5-02.
- Cut-off wall, see detail on C5-02.
- Maintain 3" clear between top of wall and toe of slope.
- Place structural backfill conforming to spec section 258, TYP.
- 1:1 excavation slope, TYP.
- WEAKENED PLANE OR CONSTRUCTION JOINT along center of pad. See detail sheet C5-03.
- 6" compacted in situ material.

**SPLASH PAD SIDE WALL ELEVATION SECTION D-D**

- Coordinate flume interface with water storage and supply. Provide dowels or extend every other inside face bars.
- WEAKENED PLANE OR CONSTRUCTION JOINT along center of pad. See detail sheet C5-03.
- Fill slope, TYP.
- SPLASH PAD SHALL BE INSTALLED ON PROFILE GRADE END WALL, SEE DETAIL ON C5-02.
- END WALL, SEE DETAIL ON C5-02.
- Cut-off wall, see detail on C5-02.
- Maintain 3" clear between top of wall and toe of slope.
- Place structural backfill conforming to spec section 258, TYP.
- 1:1 excavation slope, TYP.
- WEAKENED PLANE OR CONSTRUCTION JOINT along center of pad. See detail sheet C5-03.
- 6" compacted in situ material.

**SPLASH PAD SECTION AND ELEVATION**

- Coordinate flume interface with water storage and supply. Provide dowels or extend every other inside face bars.
- WEAKENED PLANE OR CONSTRUCTION JOINT along center of pad. See detail sheet C5-03.
- Fill slope, TYP.
- SPLASH PAD SHALL BE INSTALLED ON PROFILE GRADE END WALL, SEE DETAIL ON C5-02.
- END WALL, SEE DETAIL ON C5-02.
- Cut-off wall, see detail on C5-02.
- Maintain 3" clear between top of wall and toe of slope.
- Place structural backfill conforming to spec section 258, TYP.
- 1:1 excavation slope, TYP.
- WEAKENED PLANE OR CONSTRUCTION JOINT along center of pad. See detail sheet C5-03.
- 6" compacted in situ material.
TOP BAR CONT. ACROSS BREAK IN SLOPE

VERT BARS SLOPED WITH TOP OF WALL

3' WALL PROJECTION ABOVE TOP OF FILL

#4 AT 12" O.C. CONT EA. FACE

#7 AT 6" O.C. BOTTOM W/ HOOK AT ENDS

OPTIONAL CONSTRUCTION JOINT, WITH KEYWAY AND WATERSTOP PER DETAIL SHEET C5-03

#4 AT 12" O.C. CONT EA. FACE

#7 AT 10" O.C. TOP W/ HOOK AT ENDS

#4 AT 12" O.C. CONT EA. FACE

#7 AT 10" O.C. TOP W/ HOOK AT ENDS

#4 AT 12" O.C. CONT EA. FACE

#4 AT 12" O.C. VERT W/ HOOK AT BTM OF FTG

NOTE: INTERFACE OF TRANSITION SECTION TO FLUME SHALL BE COORDINATED WITH WATER STORAGE AND SUPPLY TO PROVIDE SMOOTH INSIDE FACES, ELIMINATE POTENTIAL FOR SEEPAGE AND PREVENT DIFFERENTIAL MOVEMENT.

SPLASH PAD SECTION
7'-0" TO 11'-6" TALL
SCALE: 6" = 1'

SPLASH PAD AND TRANSITION SECTION
4'-0" TO 7'-0" TALL
SCALE: 6" = 1'

SPLASH PAD AND TRANSITION SECTION
4'-0" TO 7'-0" TALL
SCALE: 6" = 1'

TOP BAR CONT. ACROSS BREAK IN SLOPE

VERT BARS SLOPED WITH TOP OF WALL

3' WALL PROJECTION ABOVE TOP OF FILL

#4 AT 12" O.C. CONT EA. FACE

#7 AT 6" O.C. BOTTOM W/ HOOK AT ENDS

OPTIONAL CONSTRUCTION JOINT, WITH KEYWAY AND WATERSTOP PER DETAIL SHEET C5-03

#4 AT 12" O.C. CONT EA. FACE

#7 AT 10" O.C. TOP W/ HOOK AT ENDS

#4 AT 12" O.C. CONT EA. FACE

#6 AT 6" O.C. BOTTOM W/ HOOK AT ENDS

#4 AT 12" O.C. CONT EA. FACE

#7 AT 10" O.C. TOP W/ HOOK AT ENDS

#4 AT 12" O.C. CONT EA. FACE

#6 AT 6" O.C. BOTTOM W/ HOOK AT ENDS

#4 AT 12" O.C. CONT EA. FACE

#7 AT 10" O.C. TOP W/ HOOK AT ENDS

#4 AT 12" O.C. CONT EA. FACE

#6 AT 6" O.C. BOTTOM W/ HOOK AT ENDS

#4 AT 12" O.C. CONT EA. FACE

#7 AT 10" O.C. TOP W/ HOOK AT ENDS

#4 AT 12" O.C. CONT EA. FACE

#6 AT 6" O.C. BOTTOM W/ HOOK AT ENDS

#4 AT 12" O.C. CONT EA. FACE

#7 AT 10" O.C. TOP W/ HOOK AT ENDS

#4 AT 12" O.C. CONT EA. FACE

#6 AT 6" O.C. BOTTOM W/ HOOK AT ENDS

#4 AT 12" O.C. CONT EA. FACE

#7 AT 10" O.C. TOP W/ HOOK AT ENDS

#4 AT 12" O.C. CONT EA. FACE

#6 AT 6" O.C. BOTTOM W/ HOOK AT ENDS

#4 AT 12" O.C. CONT EA. FACE

#7 AT 10" O.C. TOP W/ HOOK AT ENDS

#4 AT 12" O.C. CONT EA. FACE

#6 AT 6" O.C. BOTTOM W/ HOOK AT ENDS

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#4 AT 12" O.C. CONT EA. FACE

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#4 AT 12" O.C. CONT EA. FACE

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#4 AT 12" O.C. CONT EA. FACE

#7 AT 10" O.C. TOP W/ HOOK AT ENDS

#4 AT 12" O.C. CONT EA. FACE

#6 AT 6" O.C. BOTTOM W/ HOOK AT ENDS

#4 AT 12" O.C. CONT EA. FACE

#7 AT 10" O.C. TOP W/ HOOK AT ENDS

#4 AT 12" O.C. CONT EA. FACE

#6 AT 6" O.C. BOTTOM W/ HOOK AT ENDS
SPLASH PAD CUT-OFF WALL SECTION

SPLASH PAD END WALL SECTION

SPLASH PAD WALL DETAILS

WALL REINFORCING LAYOUT DETAIL

SPLASH PAD WING WALL SECTION
CONSTRUCTION JOINT DETAIL

REBAR BEND AND SPLICE DIMENSIONS

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<tr>
<th>BAR SIZE</th>
<th>180 DEG BEND EXTENSION, IN</th>
<th>90 DEG BEND EXTENSION, IN</th>
<th>BEND INSIDE DIAMETER, IN</th>
<th>BOTTOM BAR LAP SPlice LENGTH, IN</th>
<th>TOP BAR LAP SPlice LENGTH, IN</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>2.5</td>
<td>4.5</td>
<td>2.3</td>
<td>40</td>
<td>52</td>
</tr>
<tr>
<td>4</td>
<td>2.5</td>
<td>6.0</td>
<td>3.0</td>
<td>53</td>
<td>69</td>
</tr>
<tr>
<td>5</td>
<td>2.5</td>
<td>7.5</td>
<td>3.8</td>
<td>66</td>
<td>86</td>
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<tr>
<td>6</td>
<td>3.0</td>
<td>9.0</td>
<td>4.5</td>
<td>80</td>
<td>130</td>
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<tr>
<td>7</td>
<td>3.5</td>
<td>10.5</td>
<td>5.3</td>
<td>93</td>
<td>151</td>
</tr>
<tr>
<td>8</td>
<td>4.0</td>
<td>12.0</td>
<td>6.0</td>
<td>133</td>
<td>172</td>
</tr>
</tbody>
</table>

NOTES:
1. DIMENSIONS DETERMINED PER AASHTO LRFD BRIDGE DESIGN SPECIFICATION, EIGHTH EDITION, SECTION 5.10.
2. ALL SPLICE LENGTHS BASED ON EPOXY COATED DEFORMED REINFORCING STEEL.
3. LAP SPLICES ARE CLASS B.
4. SPLICED BARS SHALL BE IN CONTACT WITH EACH OTHER.
5. TOP BARS ARE THOSE WITH MORE THAN 12" OF FRESH CONCRETE PLACED BELOW.
6. BOTTOM BARS ARE THOSE NOT DEFINED AS TOP BARS.
7. SPLICES SHALL BE STAGGERED SO AS TO NOT OCCUR AT SAME LOCATION IN ADJACENT BARS.
8. BENDS SHALL BE SMOOTH AND NOT CREATED BY HEATING BARS.
9. CONTRACTOR MAY SUBSTITUTE MECHANICAL SPlice IN LIEU OF BAR LAPS. EPOXY PROTECTION SHALL BE PROVIDED REGARDLESS OF METHOD. SUBMIT MATERIAL DATA FOR APPROVAL PRIOR TO USE.

EXPANSION JOINT DETAIL

NOTES:
- JOINT SEALANT SHALL BE ON EXPOSED SIDE OF JOINT, ACROSS TOP AND DOWN BACK TO TOP OF MEMBRANE.
- MEMBRANE SHALL BE ON BURIED SIDE OF JOINT.

1. KEYWAY WITH WATER STOP SHALL EXTEND FULL WIDTH OF SPLASH PAD AND TO TOP OF INSIDE FACE OF SIDE WALLS AT LOCATION SHOWN ON THE PLANS.
2. CONSTRUCTION JOINTS SHALL BE PLANNED IN ADVANCE OF CONCRETE PLACEMENT.
3. CONSTRUCTION JOINTS MAY REPLACE CONTROL JOINTS (WEAKENED PLANES) SHOWN ON THE PLANS.
4. NO UNPLANNED COLD JOINTS SHALL BE ALLOWED. THESE ARE DEFINED AS THE FIRST POUR REACHING INITIAL SET OR MORE THAN 3 HOURS ELAPSED BEFORE SECOND POUR.

WEAKENED PLANE DETAIL

CONSTRUCTION JOINT DETAIL

FORM KEY WAY WITH 1:4 V SIDES

PLACE SWELLABLE WATER STOP AT BOTTOM OF ALL KEYWAYS, USE Sika SWELLSTOP OR APPROVED EQUAL

EXPANSION JOINT DETAIL

8" WIDE SELF-ADHERING RUBBERIZED WATERPROOFING MEMBRANE, EXTEND FROM TOP OF FOOTING TO BURY LINE

1. JOINT SEALANT SHALL BE ON EXPOSED SIDE OF JOINT, ACROSS TOP AND DOWN BACK TO TOP OF MEMBRANE.
2. MEMBRANE SHALL BE ON BURIED SIDE OF JOINT.

NOTES:
- JOINT SEALANT SHALL BE ON EXPOSED SIDE OF JOINT, ACROSS TOP AND DOWN BACK TO TOP OF MEMBRANE.
- MEMBRANE SHALL BE ON BURIED SIDE OF JOINT.

EXPANSION JOINT DETAIL

CONSTRUCTION JOINT DETAIL

FORM KEY WAY WITH 1:4 V SIDES

PLACE SWELLABLE WATER STOP AT BOTTOM OF ALL KEYWAYS, USE Sika SWELLSTOP OR APPROVED EQUAL

EXPANSION JOINT DETAIL

1. JOINT SEALANT SHALL BE ON EXPOSED SIDE OF JOINT, ACROSS TOP AND DOWN BACK TO TOP OF MEMBRANE.
2. MEMBRANE SHALL BE ON BURIED SIDE OF JOINT.

NOTES:
- JOINT SEALANT SHALL BE ON EXPOSED SIDE OF JOINT, ACROSS TOP AND DOWN BACK TO TOP OF MEMBRANE.
- MEMBRANE SHALL BE ON BURIED SIDE OF JOINT.

EXPANSION JOINT DETAIL

CONSTRUCTION JOINT DETAIL

FORM KEY WAY WITH 1:4 V SIDES

PLACE SWELLABLE WATER STOP AT BOTTOM OF ALL KEYWAYS, USE Sika SWELLSTOP OR APPROVED EQUAL

EXPANSION JOINT DETAIL

1. JOINT SEALANT SHALL BE ON EXPOSED SIDE OF JOINT, ACROSS TOP AND DOWN BACK TO TOP OF MEMBRANE.
2. MEMBRANE SHALL BE ON BURIED SIDE OF JOINT.

NOTES:
- JOINT SEALANT SHALL BE ON EXPOSED SIDE OF JOINT, ACROSS TOP AND DOWN BACK TO TOP OF MEMBRANE.
- MEMBRANE SHALL BE ON BURIED SIDE OF JOINT.
I, Jena Griswold, as the Secretary of State of the State of Colorado, hereby certify that, according to the records of this office,

COLORADO TROUT UNLIMITED

is a Nonprofit Corporation
formed or registered on 03/01/1983 under the law of Colorado, has complied with all applicable requirements of this office, and is in good standing with this office. This entity has been assigned entity identification number 19871510552.

This certificate reflects facts established or disclosed by documents delivered to this office on paper through 06/24/2021 that have been posted, and by documents delivered to this office electronically through 06/25/2021 @ 16:54:04.

I have affixed hereto the Great Seal of the State of Colorado and duly generated, executed, and issued this official certificate at Denver, Colorado on 06/25/2021 @ 16:54:04 in accordance with applicable law. This certificate is assigned Confirmation Number 13262848.

OFFICE OF THE SECRETARY OF STATE
OF THE STATE OF COLORADO

CERTIFICATE OF FACT OF GOOD STANDING

Notice: A certificate issued electronically from the Colorado Secretary of State’s Web site is fully and immediately valid and effective. However, as an option, the issuance and validity of a certificate obtained electronically may be established by visiting the Validate a Certificate page of the Secretary of State’s Web site, http://www.sos.state.co.us/biz/CertificateSearchCriteria.do entering the certificate’s confirmation number displayed on the certificate, and following the instructions displayed. Confirming the issuance of a certificate is merely optional and is not necessary to the valid and effective issuance of a certificate. For more information, visit our Web site, http://www.sos.state.co.us/ click “Businesses, trademarks, trade names” and select “Frequently Asked Questions.”
<table>
<thead>
<tr>
<th>LINE NO</th>
<th>ITEM</th>
<th>UNIT OF MEASURE</th>
<th>Est QUANTITY</th>
<th>MATERIAL COST</th>
<th>LABOR COSTS</th>
<th>OTHER DIRECT COSTS</th>
<th>TOTAL</th>
<th>Unit cost with overhead and profit</th>
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</thead>
<tbody>
<tr>
<td>15101</td>
<td>Mobilization</td>
<td>LS</td>
<td>1</td>
<td>$86,110.20</td>
<td>$106,087.77</td>
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<td></td>
<td>$17,987.20</td>
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<tr>
<td>15201</td>
<td>Construction survey and staking, Method I, Tolerance A</td>
<td>LS</td>
<td>1</td>
<td>$80,000.00</td>
<td>$13,600.00</td>
<td>$14,600.00</td>
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<td>$43,120.00</td>
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<tr>
<td>15713</td>
<td>Soil Erosion, Pollution Control &amp; Dewatering</td>
<td>LS</td>
<td>1</td>
<td>$12,000.00</td>
<td>$35,000.00</td>
<td></td>
<td></td>
<td>$11,334.40</td>
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<tr>
<td>20405</td>
<td>Channel Excavation, tolerance class C</td>
<td>CY</td>
<td>3,400</td>
<td>$25,000.00</td>
<td>$38,000.00</td>
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<tr>
<td>20411</td>
<td>Rock Excavation</td>
<td>CY</td>
<td>1,500</td>
<td>$15,000.00</td>
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<td>20417</td>
<td>Embankment Construction, Compaction Method 2</td>
<td>CY</td>
<td>110</td>
<td>$10,000.00</td>
<td>$15,000.00</td>
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<td>20901</td>
<td>Structure Excavation</td>
<td>CY</td>
<td>340</td>
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<td>20903</td>
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<td>$21,000.00</td>
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<tr>
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<td>CY</td>
<td>100</td>
<td>$6,000.00</td>
<td>$12,000.00</td>
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<td></td>
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<td>100</td>
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<td>$27.10</td>
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<tr>
<td>25803</td>
<td>Reinforced concrete retaining wall and splash pad</td>
<td>CY</td>
<td>110</td>
<td>$55,000.00</td>
<td>$140,000.00</td>
<td></td>
<td></td>
<td>$1,568.00</td>
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<tr>
<td>6204</td>
<td>Placing Conserved Topsoil, 2 inch max depth</td>
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<td>1</td>
<td>$27,800.00</td>
<td>$27,800.00</td>
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<td></td>
<td>$3.3514</td>
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<td>62501</td>
<td>Hydraulic Seeding and Erosion Control</td>
<td>SY</td>
<td>1,700</td>
<td>$1,500.00</td>
<td>$5,510.00</td>
<td></td>
<td></td>
<td>$3.99</td>
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<tr>
<td>25103</td>
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<td>$6,000.00</td>
<td>$16,000.00</td>
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</table>

Total: $90,870.00 $210,040.00 $176,610.20 $477,520.20 $588,304.89
TOTAL MATERIAL COSTS $90,870.00
TOTAL LABOR COSTS $210,040.00
TOTAL OTHER DIRECT COSTS $176,610.20
OVERHEAD 12% 57302.424
SUBTOTAL $534,822.62
PROFIT 10% 53482.2624
TOTAL PRICE $588,304.89

INSTRUCTIONS TO OFFERORS

1. The purpose of this form is to provide a standard format by which the offeror submits to the Government a summary of incurred and estimated costs (and attached supporting information) suitable for detailed review and analysis. Prior to the award of a contract resulting from this proposal the offeror may be required to submit a certificate of current cost or pricing data.

2. In addition to the specific information required by this form, the offeror is expected, in good faith, to incorporate in and submit with this form any additional data, supporting schedules, or substantiation which are reasonable required for the conduct of an appropriate review and analysis in the light of the specific facets of this procurement. For effective negotiations, it is essential that there be a clear understanding of
   a. The existing, verifiable data.
   b. The judgmental factors applied in projecting from known data to the estimate, and
   c. The contingencies used by the offeror in his proposed price.

In short, the offeror's estimating process itself needs to be disclosed.

3. When attachment of supporting cost or pricing data to this form is impracticable, the data will be described (with schedules as appropriate), and made available to the contracting officer his authorized representative upon request.

4. By submission of this proposal the offeror grants to the contracting officer, or his authorized representative, the right to examine, for the purpose of verifying the cost or pricing data submitted, those books, records, documents and other supporting data which will permit adequate evaluation of such cost or pricing data, along with the computations and projections used therein. This right may be exercised in connection with any negotiations prior to contract award.
June 29, 2021

Colorado Water Conservation Board
Colorado Water Plan grants program
Via email: waterplan.grants@state.co.us

Dear CWCB members & staff:

Colorado Trout Unlimited is the designated trustee for the Long Draw Reservoir Mitigation Trust, established with $1.25 million in seed money from the Water Supply and Storage Company. These funds were provided in meeting mitigation requirements for the federal land use authorization for Long Draw Reservoir and are reserved for purposes of the Poudre Headwaters Restoration project. The funds are available for engineering, barrier construction, non-native fish removal, and other costs related to the restoration of a Greenback cutthroat trout metapopulation in the headwaters reaches of the Cache la Poudre river.

As Trustee, CTU is writing to confirm that the Long Draw Reservoir Mitigation Trust will provide at least $300,000 toward the Grand Ditch Fish Barrier installation as part of the Poudre Headwaters Restoration project. The trust will provide more funding as needed if costs for the project increase above current budget. We are pleased to support this effort to advance the project for which the Trust was established. We appreciate the Colorado Water Conservation Board’s consideration of a matching grant for the project under the Colorado Water Plan grant program.

Sincerely,

David Nickum
**Request for Taxpayer Identification Number and Certification**

1. **Name (as shown on your income tax return).** Name is required on this line; do not leave this line blank.

   **Colorado Trout Unlimited**

2. **Business name/disregarded entity name, if different from above**

3. **Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check only one of the following seven boxes.**
   - Individual(s) sole proprietor or single-member LLC
   - Corporation
   - Limited liability company
   - Partnership
   - Trust/estate
   - Other (see instructions)  
   - Exempt payee code (if any) 1
   - Exemption from FATCA reporting code (if any) A

4. **Address (number, street, and apt. or suite no.) See instructions;**

   1536 Wynkoop Street, Suite 320
   Denver, CO 80202
   
5. **City, state, and ZIP code**

   Denver, CO 80202

6. **List account number(s) here (optional)**

7. **Print or type.**

**Part I  Taxpayer Identification Number (TIN)**

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part II, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see How to get a TIN later.

**Note:** If the account is in more than one name, see the instructions for line 1. Also see What Name and Number To Get the Requester for guidelines on whose number to enter.

**Social security number**

| 8 | 4 | - | 0 | 6 | 2 | 8 | 1 | 1 | 3 |

| **Employer identification number**

**Part II  Certification**

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
3. I am a U.S. citizen or other U.S. person (defined below); and
4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.

**Sign Here**

| Signature of U.S. person | David Nickerson | Date | 6/25/21 |

**General Instructions**

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to www.irs.gov/FormW9.

**Purpose of Form**

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following:

- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)
- Form 1098 (home mortgage interest, 1098-E (student loan interest), 1098-T (tuition)
- Form 1098-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)
- Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding lower.
Example. Article 20 of the U.S.-China income tax treaty allows an exemption from tax for scholarship income received by a Chinese student temporarily present in the United States. Under U.S. law, this student will become a resident alien for tax purposes if he or her stay in the United States exceeds 5 calendar years. However, paragraph 2 of the first Protocol to the U.S.-China treaty (dated April 30, 1984) allows the provisions of Article 20 to continue to apply even after the Chinese student becomes a resident alien of the United States. A Chinese student who qualifies for this exception (under paragraph 2 of the first protocol) and is relying on this exception to claim an exemption from tax on his or her scholarship or fellowship income would attach to Form W-8 a statement that includes the information described above to support that exemption.

If you are a nonresident alien or a foreign entity, give the requester the appropriate completed Form W-8 or Form 8233.

Backup Withholding

What is backup withholding? Persons making certain payments to you must under certain conditions withhold and pay to the IRS 24% of such payments. This is called "backup withholding." Payments that may be subject to backup withholding include interest, tax-exempt interest, dividends, broker and barter exchange transactions, rents, royalties, nonemployee pay, payments made in settlement of payment card and third party network transactions, and certain payments from fishing boat operators. Real estate transactions are not subject to backup withholding.

You will not be subject to backup withholding on payments you receive if you give the requester your correct TIN, make the proper certifications, and report all your taxable interest and dividends on your tax return.

Payments you receive will be subject to backup withholding if:

1. You do not furnish your TIN to the requester,
2. You do not certify your TIN when required (see the instructions for Part II for details),
3. The IRS tells the requester that you furnished an incorrect TIN,
4. The IRS tells you that you are subject to backup withholding because you did not report all your interest and dividends on your tax return (for reportable interest and dividends only), or
5. You do not certify to the requester that you are not subject to backup withholding under 4 above (for reportable interest and dividend accounts opened after 1982 only).

Certain payees and payments are exempt from backup withholding. See Exempt payee code, later, and the separate instructions for the Requester of Form W-9 for more information.

Also see Special rules for partnerships, earlier.

What is FATCA Reporting?

The Foreign Account Tax Compliance Act (FATCA) requires a participating foreign financial institution to report all United States account holders that are specified United States persons. Certain payees are exempt from FATCA reporting. See Exemption from FATCA reporting code, later, and the instructions for the Requester of Form W-9 for more information.

Updating Your Information

You must provide updated information to any person to whom you claimed to be an exempt payee if you are no longer an exempt payee and anticipate receiving reportable payments in the future from this person. For example, you may need to provide updated information if you are a C corporation that elects to be an S corporation, or if you no longer are tax exempt. In addition, you must furnish a new Form W-9 if the name or TIN changes for the account, for example, if the grantor of a grantor trust dies.

Penalties

Failure to furnish TIN. If you fail to furnish your correct TIN to a requester, you are subject to a penalty of $50 for each such failure unless your failure is due to reasonable cause and not to willful neglect.

Civil penalty for false information with respect to withholding. If you make a false statement with no reasonable basis that results in no backup withholding, you are subject to a $500 penalty.
Criminal penalty for falsifying information. Willfully falsifying
 certifications or affirmations may subject you to criminal penalties
 including fines and/or imprisonment.

Misuse of TINs. If the requestor discloses or uses TINs in violation of
 federal law, the requestee may be subject to civil and criminal penalties.

Specific Instructions

Line 1
You must enter one of the following on this line; do not leave this line
blank. The name should match the name on your tax return.

If this Form W-9 is for a joint account (other than an account
maintained by a foreign financial institution (FFI)), list first, and then
circle, the name of the person or entity whose number you entered in
Part I of Form W-9. If you are providing Form W-9 to an FFI to document
a joint account, each holder of the account that is a U.S. person must
provide a Form W-9.

a. Individual. Generally, enter the name shown on your tax return. If
you have changed your last name without informing the Social Security
Administration (SSA) of the change, enter your first name, the last
name as shown on your social security card, and your new last name.

Note: ITIN applicant: Enter your individual name as it was entered on
your Form W-7 application, line 1a. This should also be the same as
the name you entered on the Form 1040/1040A/1040EZ you filed with your
application.

b. Sole proprietor or single-member LLC. Enter your individual
name as shown on your 1040/1040A/1040EZ on line 1. You may enter
your business, trade, or “doing business as” (DBA) name on line 2.

c. Partnership, LLC that is not a single-member LLC, C
corporation, or S corporation. Enter the entity’s name as shown on the
entity’s tax return on line 1 and any business, trade, or DBA name on
line 2.

d. Other entities. Enter your name as shown on required U.S. federal
tax documents on line 1. This name should match the name shown on the
charter or other legal document creating the entity. You may enter any
business, trade, or DBA name on line 2.

e. Disregarded entity. For U.S. federal tax purposes, an entity that is
disregarded as an entity separate from its owner is treated as a
“disregarded entity.” See Regulations section 301.7701-2(c)(2)(iii). Enter
the owner’s name on line 1. The name of the entity entered on line 1
should never be a disregarded entity. The name on line 1 should be the
name shown on the income tax return on which the income should be
reported. For example, if a foreign LLC that is treated as a disregarded entity
for U.S. federal tax purposes has a single owner that is a U.S.
person, the U.S. owner’s name is required to be provided on line 1. If
the direct owner of the entity is also a disregarded entity, enter the first
owner that is not disregarded for federal tax purposes. Enter the
disregarded entity’s name on line 2, “Business name/disregarded entity
name.” If the owner of the disregarded entity is a foreign person, the
owner must complete an appropriate Form W-8 instead of a Form W-9.
This is the case even if the foreign person has a U.S. TIN.

Line 2
If you have a business name, trade name, DBA name, or disregarded
entity name, you may enter it on line 2.

Line 3
Check the appropriate box on line 3 for the U.S. federal tax
classification of the person whose name is entered on line 1. Check only
one box on line 3.

<table>
<thead>
<tr>
<th>IF the entity/person on line 1 is</th>
<th>THEN check the box for . . .</th>
</tr>
</thead>
<tbody>
<tr>
<td>Corporation</td>
<td>Corporation</td>
</tr>
<tr>
<td>Individual</td>
<td>Individual/sole proprietor or single-member LLC</td>
</tr>
<tr>
<td>Sole proprietorship, or</td>
<td></td>
</tr>
<tr>
<td>Single-member limited liability company (LLC) owned by an individual and disregarded for U.S. federal tax purposes.</td>
<td></td>
</tr>
<tr>
<td>LLC treated as a partnership for U.S. federal tax purposes,</td>
<td>Limited liability company and enter the appropriate tax classification.</td>
</tr>
<tr>
<td>LLC that has filed Form 8832 or 2553 to be taxed as a corporation, or</td>
<td>(P= Partnership; C= C corporation; or S= S corporation)</td>
</tr>
<tr>
<td>LLC that is disregarded as an entity separate from its owner but the owner is another LLC that is not disregarded for U.S. federal tax purposes.</td>
<td></td>
</tr>
<tr>
<td>Partnership</td>
<td>Partnership</td>
</tr>
<tr>
<td>Trust/estate</td>
<td>Trust/estate</td>
</tr>
</tbody>
</table>

Line 4, Exemptions

If you are exempt from backup withholding and/or FATCA reporting,
enter in the appropriate space on line 4 any code(s) that may apply to
you.

Exempt payee code.

- Generally, individuals (including sole proprietors) are not exempt from
backup withholding.
- Except as provided below, corporations are exempt from backup
withholding for certain payments, including interest and dividends.
- Corporations are not exempt from backup withholding for payments
made in settlement of payment card or third party network transactions.
- Corporations are not exempt from backup withholding with respect to
attorneys' fees or gross proceeds paid to attorneys, and corporations
that provide medical or health care services are not exempt with respect
to payments reportable on Form 1099-MISC.
- The following codes identify payees that are exempt from backup
withholding. Enter the appropriate code in the space in line 4.
  1. An organization exempt from tax under section 501(a), any IRA, or a
custodial account under section 403(b)(7) if the account satisfies the
requirements of section 401(f)(2)
  2. The United States or any of its agencies or instrumentalities
  3. A state, the District of Columbia, a U.S. commonwealth or
possession, or any of their political subdivisions or instrumentalities
  4. A foreign government or any of its political subdivisions, agencies,
or instrumentalities
  5. A corporation
  6. A dealer in securities or commodities required to register in the
United States, the District of Columbia, or a U.S. commonwealth or
possession
  7. A futures commission merchant registered with the Commodity Futures Trading Commission
  8. A real estate investment trust
  9. An entity registered at all times during the tax year under the Investment Company Act of 1940
  10. A common trust fund operated by a bank under section 584(a)
  11. A financial institution
  12. A fiduciary known in the investment community as a nominee or custodian
  13. A trust exempt from tax under section 664 or described in section
4047
The following chart shows types of payments that may be exempt from backup withholding. The chart applies to the exempt payees listed above, 1 through 13.

<table>
<thead>
<tr>
<th>IF the payment is for . . .</th>
<th>THEN the payment is exempt for . . .</th>
</tr>
</thead>
<tbody>
<tr>
<td>Interest and dividend payments</td>
<td>All exempt payees except for 7</td>
</tr>
<tr>
<td>Broker transactions</td>
<td>Exempt payees 1 through 4 and 6 through 11 and all C corporations. S corporations must not enter an exempt payee code because they are exempt only for sales of noncovered securities acquired prior to 2012.</td>
</tr>
<tr>
<td>Barter exchange transactions and patronage dividends</td>
<td>Exempt payees 1 through 4</td>
</tr>
<tr>
<td>Payments over $500 required to be reported and direct sales over $5,000</td>
<td>Generally, exempt payees 1 through 5</td>
</tr>
<tr>
<td>Payments made in settlement of payment card or third party network transactions</td>
<td>Exempt payees 1 through 4</td>
</tr>
</tbody>
</table>

1. See Form 1099-MISC, Miscellaneous Income, and its instructions.

2. However, the following payments made to a corporation and reportable on Form 1099-MISC are not exempt from backup withholding: medical and health care payments, attorneys’ fees, gross proceeds paid to an attorney reportable under section 6045(f), and payments for services paid by a federal executive agency.

Exemption from FATCA reporting code. The following codes identify payees that are exempt from reporting under FATCA. These codes apply to persons submitting this form for accounts maintained outside of the United States by certain foreign financial institutions. Therefore, if you are only submitting this form for an account you hold in the United States, you may leave this field blank. Consult with the person requesting this form if you are uncertain if the financial institution is subject to these requirements. A requester may indicate that a code is not required by providing you with a Form W-9 with “Not Applicable” (or any similar indication) written or printed on the line for a FATCA exemption code.

A—An organization exempt from tax under section 501(a) or any individual retirement plan as defined in section 7701(a)(37)

B—The United States or any of its agencies or instrumentalities

C—A state, the District of Columbia, a U.S. commonwealth or possession, or any of their political subdivisions or instrumentalities

D—A corporation the stock of which is regularly traded on one or more established securities markets, as described in Regulations section 1.1472-1(c)(1)(i)

E—A corporation that is a member of the same expanded affiliated group as a corporation described in Regulations section 1.1472-1(c)(1)(i)

F—A dealer in securities, commodities, or derivative financial instruments (including notional principal contracts, futures, forwards, and options) that is registered as such under the laws of the United States or any state

G—A real estate investment trust

H—A regulated investment company as defined in section 851 or an entity registered at all times during the tax year under the Investment Company Act of 1940

I—A common trust fund as defined in section 584(a)

J—A bank as defined in section 581

K—A broker

L—A trust exempt from tax under section 504 or described in section 4947(a)(1)

M—A tax exempt trust under a section 403(b) plan or section 457(g) plan

Note: You may wish to consult with the financial institution requesting this form to determine whether the FATCA code and/or exempt payee code should be completed.

Line 5

Enter your address (number, street, and apartment or suite number). This is where the requester of this Form W-9 will mail your information returns. If this address differs from the one the requester already has on file, write NEW at the top. If a new address is provided, there is still a chance the old address will be used until the payor changes your address in their records.

Line 6

Enter your city, state, and ZIP code.

Part I. Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. If you are a resident alien and you do not have and are not eligible to get an SSN, your TIN is your IRS individual taxpayer identification number (ITIN). Enter it in the social security number box. If you do not have an ITIN, see How to get an ITIN below:

If you are a sole proprietor and you have an EIN, you may enter either your SSN or EIN.

If you are a single-member LLC that is disregarded as an entity separate from its owner, enter the owner’s SSN or EIN, if the owner has one. Do not enter the disregarded entity’s EIN. If the LLC is classified as a corporation or partnership, enter the entity’s EIN.

Note: See What Name and Number To Give the Requester, later, for further clarification of name and TIN combinations.

How to get a TIN. If you do not have a TIN, apply for one immediately. To apply for an SSN, get Form SS-5, Application for a Social Security Card, from your local SSA office or get this form online at www.SSA.gov. You may also get this form by calling 1-800-772-1213. Use Form W-7, Application for IRS Individual Taxpayer Identification Number, to apply for an ITIN, or Form SS-4, Application for Employer Identification Number, to apply for an EIN. You can apply for an EIN online by accessing the IRS website at www.irs.gov/Businesses and clicking on Employer Identification Number (EIN) under Starting a Business. Go to www.irs.gov/Forms to view, download, or print Form W-7 and/or Form SS-4. Or, you can go to www.irs.gov/OrderForms to place an order and have Form W-7 and/or SS-4 mailed to you within 10 business days.

If you are asked to complete Form W-9 but do not have a TIN, apply for a TIN and write “Applied For” in the space for the TIN, sign and date the form, and give it to the requester. For interest and dividend payments, and certain payments made with respect to readily tradable instruments, generally you will have 60 days to get a TIN and give it to the requester before you are subject to backup withholding on payments. The 60-day rule does not apply to other types of payments. You will be subject to backup withholding on all such payments until you provide your TIN to the requester.

Note: Entering “Applied For” means that you have already applied for a TIN or that you intend to apply for one soon.

Caution: A disregarded U.S. entity that has a foreign owner must use the appropriate Form W-8.

Part II. Certification

To establish to the withholding agent that you are a U.S. person, or resident alien, sign Form W-9. You may be requested to sign by the withholding agent even if Item 1, 4, or 5 below indicates otherwise.

For a joint account, only the person whose TIN is shown in Part I should sign (when required). In the case of a disregarded entity, the person identified on line 1 must sign. Exempt payees, see Exempt payee code, earlier.

Signature requirements. Complete the certification as indicated in items 1 through 5 below.
1. Interest, dividend, and barter exchange accounts opened before 1984 and broker accounts considered active during 1983. You must give your correct TIN, but you do not have to sign the certification.

2. Interest, dividend, broker, and barter exchange accounts opened after 1983 and broker accounts considered inactive during 1993. You must sign the certification or backup withholding will apply. If you are subject to backup withholding and you are merely providing your correct TIN to the requester, you must cross out Item 2 in the certification before signing the form.

3. Real estate transactions. You must sign the certification. You may cross out Item 2 of the certification.

4. Other payments. You must give your correct TIN, but you do not have to sign the certification unless you have been notified that you have previously given an incorrect TIN. “Other payments” include payments made in the course of the requester’s trade or business for rents, royalties, goods (other than bills for merchandise), medical and health care services (including payments to corporations), payments to a nonemployee for services, payments made in settlement of payment card and third-party network transactions, payments to certain fishing boat crew members and fishermen, and gross proceeds paid to attorneys (including payments to corporations).

5. Mortgage interest paid by you, acquisition or abandonment of secured property, cancellation of debt, qualified tuition program payments (under section 529), ABLE accounts (under section 529A), IRA, Coverdell ESA, Archer MSA or HSA contributions or distributions, and pension distributions. You must give your correct TIN, but you do not have to sign the certification.

### What Name and Number To Give the Requester

<table>
<thead>
<tr>
<th>For this type of account:</th>
<th>Give name and SSN of:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Individual</td>
<td>The individual</td>
</tr>
<tr>
<td>2. Two or more individuals (joint account) other than an account maintained by an FFI</td>
<td>The actual owner of the account or, if combined funds, the first individual on the account</td>
</tr>
<tr>
<td>3. Two or more U.S. persons (joint account maintained by an FFI)</td>
<td>Each holder of the account</td>
</tr>
<tr>
<td>4. Custodial account of a minor (Uniform Gift to Minor Act)</td>
<td>The minor</td>
</tr>
<tr>
<td>5. a. The usual revocable savings trust (grantor is also trustee)</td>
<td>The grantor-trustee</td>
</tr>
<tr>
<td>b. So-called trust account that is not a legal or valid trust under state law</td>
<td>The actual owner</td>
</tr>
<tr>
<td>6. Sole proprietorship or disregarded entity owned by an individual</td>
<td>The owner</td>
</tr>
<tr>
<td>7. Grantor trust filing under Optional Form 1099 Filing Method 1 (see Regulations section 1.671-4(b)(3)(ii))</td>
<td>The grantor</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>For this type of account:</th>
<th>Give name and EIN of:</th>
</tr>
</thead>
<tbody>
<tr>
<td>8. Disregarded entity not owned by an individual</td>
<td>The owner</td>
</tr>
<tr>
<td>9. A valid trust, estate, or pension trust</td>
<td>Legal entity</td>
</tr>
<tr>
<td>10. Corporation or LLC electing corporate status on Form 5532 or Form 2553</td>
<td>The corporation</td>
</tr>
<tr>
<td>11. Association, club, religious, charitable, educational, or other tax-exempt organization</td>
<td>The organization</td>
</tr>
<tr>
<td>12. Partnership or multi-member LLC</td>
<td>The partnership</td>
</tr>
<tr>
<td>13. A broker or registered nominee</td>
<td>The broker or nominee</td>
</tr>
</tbody>
</table>

1. List first and circle the name of the person whose number you furnish. If only one person on a joint account has an SSN, that person’s number must be furnished.

2. Circle the minor’s name and furnish the minor’s SSN.

3. You must show your individual name and you may also enter your business or DBA name on the “Business name/disregarded entity” name line. You may use either yourself or EIN (if you have one), but the IRS encourages you to use your SSN.

4. List first and circle name of the trust, estate, or pension trust. (Do not furnish the TIN of the personal representative or trustee unless the legal entity itself is not designated in the account title.) Also see Special rules for partnerships, earlier.

*Note: The grantor also must provide a Form W-9 to trustee of trust.

**Note:** If no name is circled when more than one name is listed, the number will be considered to be that of the first name listed.

### Secure Your Tax Records From Identity Theft

Identity theft occurs when someone uses your personal information such as your name, SSN, or other identifying information, without your permission, to commit fraud or other crimes. An identity thief may use your SSN to get a job or may file a tax return using your SSN to receive a refund.

To reduce your risk:

- Protect your SSN,
- Ensure your employer is protecting your SSN, and
- Be careful when choosing a tax preparer.

If your tax records are affected by identity theft and you receive a notice from the IRS, respond right away to the name and phone number printed on the IRS notice or letter.

If your tax records are not currently affected by identity theft but you think you are at risk due to a lost or stolen purse or wallet, questionable credit card activity or credit report, contact the IRS Identity Theft Hotline at 1-800-829-0459 or submit Form 14039.

For more information, see Pub. 5027, Identity Theft Information for Taxpayers.

Victims of identity theft who are experiencing economic harm or a systemic problem, or are seeking help in resolving tax problems that have not been resolved through normal channels, may be eligible for Taxpayer Advocate Service (TAS) assistance. You can reach TAS by calling the TAS toll-free case intake line at 1-877-777-4778 or TTY/TDD 1-800-829-0459.

**Protect yourself from suspicious emails or phishing schemes.**

Phishing is the creation and use of email and websites designed to mimic legitimate business emails and websites. The most common act is sending an email to a user falsely claiming to be an established legitimate enterprise in an attempt to scam the user into surrendering private information that will be used for identity theft.
Privacy Act Notice

Section 6109 of the Internal Revenue Code requires you to provide your correct TIN to persons (including federal agencies) who are required to file information returns with the IRS to report interest, dividends, or certain other income paid to you; mortgage interest you paid; the acquisition or abandonment of secured property; the cancellation of debt; or contributions you made to an IRA, Archer MSA, or HSA. The person collecting this form uses the information on the form to file information returns with the IRS, reporting the above information. Routine uses of this information include giving it to the Department of Justice for civil and criminal litigation and to cities, states, the District of Columbia, and U.S. commonwealths and possessions for use in administering their laws. The information also may be disclosed to other countries under a treaty, to federal and state agencies to enforce civil and criminal laws, or to federal law enforcement and intelligence agencies to combat terrorism. You must provide your TIN whether or not you are required to file a tax return. Under section 3406, payers must generally withhold a percentage of taxable interest, dividend, and certain other payments to a payee who does not give a TIN to the payer. Certain penalties may also apply for providing false or fraudulent information.