



COLORADO

**Colorado Water
Conservation Board**

Department of Natural Resources
1313 Sherman Street, Room 718
Denver, CO 80203

WSRF – Arkansas
Headgate 199 Lining

Lower Arkansas Valley Water Conservancy District
801 Swink Avenue
Rocky Ford, CO 80167

RE: Official Notice to Proceed – WSRF Grant

Dear Grantee:

We are pleased to inform you that the Colorado Department of Natural Resources, Colorado Water Conservation Board (CWCB) has approved your request for funding for your project pursuant to the Grant Programs (“Program”). This letter authorizes you to proceed with the approved project in accordance with the terms of this Grant Award Letter.

Attached to this letter are the terms and conditions of your Grant. Please review these terms and conditions as they are requirements of this Grant to which you Grantee agree by accepting the Grant Funds.

If you have any questions regarding your grant award, contact Rachel Pittinger, Project Manager at 303-866-3441 or at Rachel.Pittinger@state.co.us. Please send all grant correspondence directly to the project manager and cc me on your invoice billing requests.

Thank you.

Sincerely,

//s//

Doriann Vigil

Program Assistant II

O 303-866-3441 ext. 3250

1313 Sherman Street, Rm. 719, Denver, CO 80203

Dori.vigil@state.co.us / cwcb.state.co.us

.



GRANT AWARD LETTER

SUMMARY OF GRANT AWARD TERMS AND CONDITIONS

State Agency Colorado Department of Natural Resources Colorado Water Conservation Board (CWCB) 1313 Sherman St, Room 718 Denver, CO 80203	Agreement Number CMS# 164351 CTGG1 2021-2419
Grantee Lower Arkansas Valley Water Conservancy District 801 Swink Avenue Rocky Ford, CO 81607	Grant Amount Entire Grant term for all applicable fiscal years: \$198,000.00
Grant Issuance Date The Grant Award Letter Effective date (the date the State Controller or an authorized delegate signs this Grant Letter)	
Grant Expiration Date December 31, 2023	Local Match Amount Entire Grant term for all applicable fiscal years: \$252,000.00
Grant Authority Colorado Revised Statutes (CRS) §39-29-109(2)(c), §37-75-104(2)(c) and §37-75-102 et al., and Senate Bill 06-179 adopted by the 2006 General Assembly, and a sufficient unencumbered balance thereof remains available for payment. Required approvals, clearance and coordination have been accomplished from and with appropriate agencies.	
Grant Purpose WSRF funding will assist the Lower Arkansas Valley Water Conservancy District (Lower Ark) control selenium and nutrient loading to the Arkansas River by lining approximately 2,500 feet of the existing Catlin Canal adjunct to Headgate 199.	
Exhibits and Order of Precedence The following Exhibits and attachments are included with this Grant: <ol style="list-style-type: none"> 1. Exhibit A, Statement of Work. 2. Exhibit B, Budget. 3. Exhibit C, Sample Option Letter In the event of a conflict or inconsistency between this Grant and any Exhibit or attachment, such conflict or inconsistency shall be resolved by reference to the documents in the following order of priority: <ol style="list-style-type: none"> 1. The provisions of the main body of this Grant. 2. Exhibit A, Statement of Work. 3. Exhibit B, Budget. 4. Exhibit C, Sample Option Letter 	
Principal Representatives For the State: Department of Natural Resources Colorado Water Conservation Board 1313 Sherman St., Room 718 Denver, CO 80203 Rachel Pittinger, Project Manager 303-866-3441	For Contractor: Mike Weber, Engineer Lower Arkansas Valley Water Conservancy District 801 Swink Avenue Rocky Ford, CO 81067 719-254-5115 mweber@lowerark.com

SIGNATURE PAGE

THE SIGNATORIES LISTED BELOW AUTHORIZE THIS GRANT

STATE OF COLORADO

Jared S. Polis, Governor
Department of Natural Resources
Dan Gibbs, Executive Director



By: Russell Sands, Section Chief

Date: 10/2/2020

In accordance with §24-30-202 C.R.S., this Grant is not valid until signed and dated below by the State Controller or an authorized delegate.

DocuSigned by:

STATE CONTROLLER

Ion Cotsapas

Robert Jaros, CPA, MBA, JD

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Ion Cotsapas

By:

DNR Contracts

Date: October 29, 2020 | 4:42 PM PDT

1. GRANT

As of the Grant Issuance Date, the State Agency shown on the first page of this Grant Award Letter (the “State”) hereby obligates and awards to Grantee shown on the first page of this Grant Award Letter (the “Grantee”) an award of Grant Funds in the amounts shown on the first page of this Grant Award Letter. By accepting the Grant Funds provided under this Grant Award Letter, Grantee agrees to comply with the terms and conditions of this Grant Award Letter and requirements and provisions of all Exhibits to this Grant Award Letter.

2. TERM

A. Initial Grant Term and Extension

The Parties’ respective performances under this Grant Award Letter shall commence on the Grant Issuance Date and shall terminate on the Grant Expiration Date unless sooner terminated or further extended in accordance with the terms of this Grant Award Letter. Upon request of Grantee, the State may, in its sole discretion, extend the term of this Grant Award Letter by providing Grantee with an updated Grant Award Letter showing the new Grant Expiration Date. If the Work will be performed in multiple phases, the period of performance start and end date of each phase is detailed under the Project Schedule in Exhibit B.

B. Early Termination in the Public Interest

The State is entering into this Grant Award Letter to serve the public interest of the State of Colorado as determined by its Governor, General Assembly, or Courts. If this Grant Award Letter ceases to further the public interest of the State or if State, or other funds used for this Grant Award Letter are not appropriated, or otherwise become unavailable to fund this Grant Award Letter, the State, in its discretion, may terminate this Grant Award Letter in whole or in part by providing written notice to Grantee that includes, to the extent practicable, the public interest justification for the termination. If the State terminates this Grant Award Letter in the public interest, the State shall pay Grantee an amount equal to the percentage of the total reimbursement payable under this Grant Award Letter that corresponds to the percentage of Work satisfactorily completed, as determined by the State, less payments previously made. Additionally, the State, in its discretion, may reimburse Grantee for a portion of actual, out-of-pocket expenses not otherwise reimbursed under this Grant Award Letter that are incurred by Grantee and are directly attributable to the uncompleted portion of Grantee’s obligations, provided that the sum of any and all reimbursements shall not exceed the maximum amount payable to Grantee hereunder. This subsection shall not apply to a termination of this Grant Award Letter by the State for breach by Grantee.

3. DEFINITIONS

The following terms shall be construed and interpreted as follows:

- A. “**Budget**” means the budget for the Work described in Exhibit B.
- B. “**Business Day**” means any day in which the State is open and conducting business, but shall not include Saturday, Sunday or any day on which the State observes one of the holidays listed in §24-11-101(1) C.R.S.
- C. “**CORA**” means the Colorado Open Records Act, §§24-72-200.1 *et. seq.*, C.R.S.

- D. **“Grant Award Letter”** means this letter which offers Grant Funds to Grantee, including all attached Exhibits, all documents incorporated by reference, all referenced statutes, rules and cited authorities, and any future updates thereto.
- E. **“Grant Funds”** means the funds that have been appropriated, designated, encumbered, or otherwise made available for payment by the State under this Grant Award Letter.
- F. **“Grant Expiration Date”** means the Grant Expiration Date shown on the first page of this Grant Award Letter.
- G. **“Grant Issuance Date”** means the Grant Issuance Date shown on the first page of this Grant Award Letter.
- H. **“Exhibits”** exhibits and attachments included with this Grant as shown on the first page of this Grant
- I. **“Extension Term”** means the period of time by which the Grant Expiration Date is extended by the State through delivery of an updated Grant Award Letter
- J. **“Goods”** means any movable material acquired, produced, or delivered by Grantee as set forth in this Grant Award Letter and shall include any movable material acquired, produced, or delivered by Grantee in connection with the Services.
- K. **“Incident”** means any accidental or deliberate event that results in or constitutes an imminent threat of the unauthorized access or disclosure of State Confidential Information or of the unauthorized modification, disruption, or destruction of any State Records.
- L. **“Initial Term”** means the time period between the Grant Issuance Date and the Grant Expiration Date.
- M. **“Matching Funds”** means the funds provided Grantee as a match required to receive the Grant Funds.
- N. **“Party”** means the State or Grantee, and **“Parties”** means both the State and Grantee.
- O. **“PII”** means personally identifiable information including, without limitation, any information maintained by the State about an individual that can be used to distinguish or trace an individual’s identity, such as name, social security number, date and place of birth, mother’s maiden name, or biometric records; and any other information that is linked or linkable to an individual, such as medical, educational, financial, and employment information. PII includes, but is not limited to, all information defined as personally
- P. **“Services”** means the services to be performed by Grantee as set forth in this Grant Award Letter, and shall include any services to be rendered by Grantee in connection with the Goods.
- Q. **“State Confidential Information”** means any and all State Records not subject to disclosure under CORA. State Confidential Information shall include, but is not limited to, PII, and State personnel records not subject to disclosure under CORA. State Confidential Information shall not include information or data concerning individuals that is not deemed confidential but nevertheless belongs to the State, which has been communicated, furnished, or disclosed by the State to Contractor which (i) is subject to disclosure pursuant to CORA; (ii) is already known to Contractor without restrictions at the time of its disclosure to Contractor; (iii) is or subsequently becomes publicly available without breach of any obligation owed by Contractor to the State; (iv) is disclosed to Contractor, without confidentiality obligations, by

a third party who has the right to disclose such information; or (v) was independently developed without reliance on any State Confidential Information.

- R. **“State Fiscal Rules”** means the fiscal rules promulgated by the Colorado State Controller pursuant to §24-30-202(13)(a) C.R.S.
- S. **“State Fiscal Year”** means a 12 month period beginning on July 1 of each calendar year and ending on June 30 of the following calendar year. If a single calendar year follows the term, then it means the State Fiscal Year ending in that calendar year.
- T. **“State Records”** means any and all State data, information, and records, regardless of physical form, including, but not limited to, information subject to disclosure under CORA.
- U. **“Subcontractor”** means third-parties, if any, engaged by Grantee to aid in performance of
- V. **“Work”** means the delivery of the Goods and performance of the Services described in this Grant Award Letter.
- W. **“Work Product”** means the tangible and intangible results of the Work, whether finished or unfinished, including drafts. Work Product includes, but is not limited to, documents, text, software (including source code), research, reports, proposals, specifications, plans, notes, studies, data, images, photographs, negatives, pictures, drawings, designs, models, surveys, maps, materials, ideas, concepts, know-how, and any other results of the Work. “Work Product” does not include any material that was developed prior to the Grant Issuance Date that is used, without modification, in the performance of the Work.

Any other term used in this Grant Award Letter that is defined in an Exhibit shall be construed and interpreted as defined in that Exhibit.

4. **STATEMENT OF WORK**

Grantee shall complete the Work as described in this Grant Award Letter and in accordance with the provisions of Exhibit A. The State shall have no liability to compensate or reimburse Grantee for the delivery of any goods or the performance of any services that are not specifically set forth in this Grant Award Letter.

5. **PAYMENTS TO GRANTEE**

A. **Maximum Amount**

Payments to Grantee are limited to the unpaid, obligated balance of the Grant Funds. The State shall not pay Grantee any amount under this Grant that exceeds the Grant Amount for each State Fiscal Year shown on the first page of this Grant Award Letter. Financial obligations of the State payable after the current State Fiscal Year are contingent upon funds for that purpose being appropriated, budgeted, and otherwise made available. The State shall not be liable to pay or reimburse Grantee for any Work performed or expense incurred before the Grant Issuance Date or after the Grant Expiration Date.

B. **Matching Funds.**

Grantee shall provide the Local Match Amount shown on the first page of this Grant Award Letter and described in Exhibit A (the “Local Match Amount”). Grantee shall appropriate and allocate all Local Match Amounts to the purpose of this Grant Award Letter each fiscal year prior to accepting any Grant Funds for that fiscal year. Grantee does not by accepting this Grant Award Letter irrevocably pledge present cash reserves for payments in future fiscal

years, and this Grant Award Letter is not intended to create a multiple-fiscal year debt of Grantee. Grantee shall not pay or be liable for any claimed interest, late charges, fees, taxes or penalties of any nature, except as required by Grantee's laws or policies.

D. Reimbursement of Grantee Costs

The State shall reimburse Grantee's allowable costs, not exceeding the maximum total amount described in this Grant Award Letter for all allowable costs described in this Grant Award Letter and shown in the Budget, except that Grantee may adjust the amounts between each line item of the Budget without formal modification to this Agreement as long as the Grantee provides notice to the State of the change, the change does not modify the total maximum amount of this Grant Award Letter or the maximum amount for any state fiscal year, and the change does not modify any requirements of the Work. The State shall only reimburse allowable costs if those costs are: **(i)** reasonable and necessary to accomplish the Work and for the Goods and Services provided; and **(ii)** equal to the actual net cost to Grantee (i.e. the price paid minus any items of value received by Grantee that reduce the cost actually incurred).

E. Close-Out.

Grantee shall close out this Grant within 45 days after the Grant Expiration Date. To complete close out, Grantee shall submit to the State all deliverables (including documentation) as defined in this Grant Award Letter and Grantee's final reimbursement request or invoice. The State will withhold 5% of allowable costs until all final documentation has been submitted and accepted by the State as substantially complete. **REPORTING - NOTIFICATION**

F. Performance and Final Status

Grantee shall submit all financial, performance and other reports to the State no later than the end of the close out described in §5.E, containing an evaluation and review of Grantee's performance and the final status of Grantee's obligations hereunder.

G. Violations Reporting

Grantee shall disclose, in a timely manner, in writing to the State, all violations of federal or State criminal law involving fraud, bribery, or gratuity violations. The State may impose any penalties for noncompliance which may include, without limitation, suspension or debarment.

6. GRANTEE RECORDS

A. Maintenance and Inspection

Grantee shall make, keep, and maintain, all records, documents, communications, notes and other written materials, electronic media files, and communications, pertaining in any manner to this Grant for a period of three years following the completion of the close out of this Grant. Grantee shall permit the State to audit, inspect, examine, excerpt, copy and transcribe all such records during normal business hours at Grantee's office or place of business, unless the State determines that an audit or inspection is required without notice at a different time to protect the interests of the State.

B. Monitoring

The State will monitor Grantee's performance of its obligations under this Grant Award Letter using procedures as determined by the State. The State shall have the right, in its sole discretion, to change its monitoring procedures and requirements at any time during the term of this Agreement. The State shall monitor Grantee's performance in a manner that does not unduly interfere with Grantee's performance of the Work.

C. Final Audit Report

Grantee shall promptly submit to the State a copy of any final audit report of an audit performed on Grantee's records that relates to or affects this Grant or the Work, whether the audit is conducted by Grantee or a third party.

7. CONFIDENTIAL INFORMATION-STATE RECORDS

A. Confidentiality

Grantee shall hold and maintain, and cause all Subcontractors to hold and maintain, any and all State Records that the State provides or makes available to Grantee for the sole and exclusive benefit of the State, unless those State Records are otherwise publically available at the time of disclosure or are subject to disclosure by Grantee under CORA. Grantee shall not, without prior written approval of the State, use for Grantee's own benefit, publish, copy, or otherwise disclose to any third party, or permit the use by any third party for its benefit or to the detriment of the State, any State Records, except as otherwise stated in this Grant Award Letter. Grantee shall provide for the security of all State Confidential Information in accordance with all policies promulgated by the Colorado Office of Information Security and all applicable laws, rules, policies, publications, and guidelines. Grantee shall immediately forward any request or demand for State Records to the State's principal representative.

B. Other Entity Access and Nondisclosure Agreements

Grantee may provide State Records to its agents, employees, assigns and Subcontractors as necessary to perform the Work, but shall restrict access to State Confidential Information to those agents, employees, assigns and Subcontractors who require access to perform their obligations under this Grant Award Letter. Grantee shall ensure all such agents, employees, assigns, and Subcontractors sign nondisclosure agreements with provisions at least as protective as those in this Grant, and that the nondisclosure agreements are in force at all times the agent, employee, assign or Subcontractor has access to any State Confidential Information. Grantee shall provide copies of those signed nondisclosure restrictions to the State upon request.

C. Use, Security, and Retention

Grantee shall use, hold and maintain State Confidential Information in compliance with any and all applicable laws and regulations in facilities located within the United States, and shall maintain a secure environment that ensures confidentiality of all State Confidential Information wherever located. Grantee shall provide the State with access, subject to Grantee's reasonable security requirements, for purposes of inspecting and monitoring access and use of State Confidential Information and evaluating security control effectiveness. Upon the expiration or termination of this Grant, Grantee shall return State Records provided to Grantee or destroy such State Records and certify to the State that it has done so, as directed

by the State. If Grantee is prevented by law or regulation from returning or destroying State Confidential Information, Grantee warrants it will guarantee the confidentiality of, and cease to use, such State Confidential Information.

D. Incident Notice and Remediation

If Grantee becomes aware of any Incident, it shall notify the State immediately and cooperate with the State regarding recovery, remediation, and the necessity to involve law enforcement, as determined by the State. After an Incident, Grantee shall take steps to reduce the risk of incurring a similar type of Incident in the future as directed by the State, which may include, but is not limited to, developing and implementing a remediation plan that is approved by the State at no additional cost to the State.

E. Safeguarding PII

If Grantee or any of its Subcontractors will or may receive PII under this Agreement, Grantee shall provide for the security of such PII, in a manner and form acceptable to the State, including, without limitation, State non-disclosure requirements, use of appropriate technology, security practices, computer access security, data access security, data storage encryption, data transmission encryption, security inspections, and audits. Grantee shall be a "Third-Party Service Provider" as defined in §24-73-103(1)(i), C.R.S. and shall maintain security procedures and practices consistent with §§24-73-101 *et seq.*, C.R.S.

8. CONFLICTS OF INTEREST

Grantee shall not engage in any business or activities, or maintain any relationships that conflict in any way with the full performance of the obligations of Grantee under this Grant. Grantee acknowledges that, with respect to this Grant, even the appearance of a conflict of interest shall be harmful to the State's interests and absent the State's prior written approval, Grantee shall refrain from any practices, activities or relationships that reasonably appear to be in conflict with the full performance of Grantee's obligations under this Grant. If a conflict or the appearance of a conflict arises, or if Grantee is uncertain whether a conflict or the appearance of a conflict has arisen, Grantee shall submit to the State a disclosure statement setting forth the relevant details for the State's consideration.

9. INSURANCE

Grantee shall maintain at all times during the term of this Grant such liability insurance, by commercial policy or self-insurance, as is necessary to meet its liabilities under the Colorado Governmental Immunity Act, §24-10-101, *et seq.*, C.R.S. (the "GIA"). Grantee shall ensure that any Subcontractors maintain all insurance customary for the completion of the Work done by that Subcontractor and as required by the State or the GIA.

10. REMEDIES

In addition to any remedies available under any exhibit to this Grant Award Letter, if Grantee fails to comply with any term or condition of this Grant, the State may terminate some or all of this Grant and require Grantee to repay any or all Grant funds to the State in the State's sole discretion. The State may also terminate this Grant Award Letter at any time if the State has determined, in its sole discretion, that Grantee has ceased performing the Work without intent to resume performance, prior to the completion of the Work.

11. DISPUTE RESOLUTION

Except as herein specifically provided otherwise, disputes concerning the performance of this Grant that cannot be resolved by the designated Party representatives shall be referred in writing to a senior departmental management staff member designated by the State and a senior manager or official designated by Grantee for resolution.

12. NOTICES AND REPRESENTATIVES

Each Party shall identify an individual to be the principal representative of the designating Party and shall provide this information to the other Party. All notices required or permitted to be given under this Grant Award Letter shall be in writing, and shall be delivered either in hard copy or by email to the representative of the other Party. Either Party may change its principal representative or principal representative contact information by notice submitted in accordance with this §13.

13. RIGHTS IN WORK PRODUCT AND OTHER INFORMATION

Grantee hereby grants to the State a perpetual, irrevocable, non-exclusive, royalty free license, with the right to sublicense, to make, use, reproduce, distribute, perform, display, create derivatives of and otherwise exploit all intellectual property created by Grantee or any Subcontractors or Subgrantees and paid for with Grant Funds provided by the State pursuant to this Grant.

14. GOVERNMENTAL IMMUNITY

Liability for claims for injuries to persons or property arising from the negligence of the Parties, their departments, boards, commissions committees, bureaus, offices, employees and officials shall be controlled and limited by the provisions of the Colorado Governmental Immunity Act, §24-10-101, et seq., C.R.S.; the Federal Tort Claims Act, 28 U.S.C. Pt. VI, Ch. 171 and 28 U.S.C. 1346(b), and the State's risk management statutes, §§24-30-1501, et seq. C.R.S. No term or condition of this Contract shall be construed or interpreted as a waiver, express or implied, of any of the immunities, rights, benefits, protections, or other provisions, contained in these statutes.

15. GENERAL PROVISIONS

A. Assignment

Grantee's rights and obligations under this Grant are personal and may not be transferred or assigned without the prior, written consent of the State. Any attempt at assignment or transfer without such consent shall be void. Any assignment or transfer of Grantee's rights and obligations approved by the State shall be subject to the provisions of this Grant Award Letter.

B. Captions and References

The captions and headings in this Grant Award Letter are for convenience of reference only, and shall not be used to interpret, define, or limit its provisions. All references in this Grant Award Letter to sections (whether spelled out or using the § symbol), subsections, exhibits or other attachments, are references to sections, subsections, exhibits or other attachments contained herein or incorporated as a part hereof, unless otherwise noted.

C. Entire Understanding

This Grant Award Letter represents the complete integration of all understandings between the Parties related to the Work, and all prior representations and understandings related to the Work, oral or written, are merged into this Grant Award Letter.

D. Modification

The State may modify the terms and conditions of this Grant by issuance of an updated Grant Award Letter, which shall be effective if Grantee accepts Grant Funds following receipt of the updated letter. The Parties may also agree to modification of the terms and conditions of the Grant in a formal amendment to this Grant, properly executed and approved in accordance with applicable Colorado State law and State Fiscal Rules.

E. Statutes, Regulations, Fiscal Rules, and Other Authority.

Any reference in this Grant Award Letter to a statute, regulation, State Fiscal Rule, fiscal policy or other authority shall be interpreted to refer to such authority then current, as may have been changed or amended since the Grant Issuance Date. Grantee shall strictly comply with all applicable Federal and State laws, rules, and regulations in effect or hereafter established, including, without limitation, laws applicable to discrimination and unfair employment practices.

F. Digital Signatures

If any signatory signs this agreement using a digital signature in accordance with the Colorado State Controller Contract, Grant and Purchase Order Policies regarding the use of digital signatures issued under the State Fiscal Rules, then any agreement or consent to use digital signatures within the electronic system through which that signatory signed shall be incorporated into this Contract by reference.

G. Severability

The invalidity or unenforceability of any provision of this Grant Award Letter shall not affect the validity or enforceability of any other provision of this Grant Award Letter, which shall remain in full force and effect, provided that the Parties can continue to perform their obligations under the Grant in accordance with the intent of the Grant.

H. Survival of Certain Grant Award Letter Terms

Any provision of this Grant Award Letter that imposes an obligation on a Party after termination or expiration of the Grant shall survive the termination or expiration of the Grant and shall be enforceable by the other Party.

I. Third Party Beneficiaries

Except for the Parties' respective successors and assigns described above, this Grant Award Letter does not and is not intended to confer any rights or remedies upon any person or entity other than the Parties. Any services or benefits which third parties receive as a result of this Grant are incidental to the Grant, and do not create any rights for such third parties.

J. Waiver

A Party's failure or delay in exercising any right, power, or privilege under this Grant Award Letter, whether explicit or by lack of enforcement, shall not operate as a waiver, nor shall any single or partial exercise of any right, power, or privilege preclude any other or further exercise of such right, power, or privilege.



Last Update: March 17, 2020

<https://cwcb.colorado.gov/>

<u>Colorado Water Conservation Board</u>	
Water Supply Reserve Fund	
<u>Exhibit A - Statement of Work</u>	
Date:	September 30, 2020
Water Activity Name:	Headgate 199 Lining
Grant Recipient:	Lower Arkansas Valley Water conservancy District
Funding Source:	Arkansas Basin and State WSRF
<p>Water Activity Overview: (Please provide brief description of the proposed water activity (no more than 200 words). Include a description of the overall water activity and specifically what the WSRF funding will be used for. (PLEASE DEFINE ALL ACRONYMS).)</p> <p>Lower Ark has been assessing the benefit of best management practices for controlling selenium and nutrient loading to the Arkansas River. One of these best management practices is lateral lining or sealing and while analyzing data from the NRCS, Lower Ark has identified Headgate 199 on the Catlin Canal as an ideal location to expand on this work. NRCS quantified the seepage of the lateral at 25% for a reach of about one-half mile long. Headgate 199 is approximately 5% of the Catlin Canal by volume. Lower Ark started exploring this area as a possible target for lining or piping in 2019, and was able to secure a grant through Colorado Department of Public Health and Environment for a portion of the lining. Then, Lower Ark invited SilverBack Industries and AssestGuard to visit the project site, and to provide a cost estimate for the polyurea lining. The estimate came in at \$50.00/linear foot with a tested lifetime of 40 years and a case study from northeast Colorado. This will be the first lateral lining with polyurea performed by Lower Ark. This new technology will help with bank stabilization, delivery of water, and sediment control. The producers involved are willing to accept all Rule 10 responsibility associated.</p> <p>Lower Ark = Lower Arkansas Valley Water Conservancy District NRCS = Natural Resources Conservation Services</p>	
<p>Objectives: (List the objectives of the project. (PLEASE DEFINE ACRONYMS).)</p> <ol style="list-style-type: none"> 1. Completing of Survey and Resource Concerns on the Site 2. Install 2500 linear feet of polyurea liner in Headgate 199 3. Compliance within Irrigation Improvement Rules for 2500 linear feet 	



Last Update: March 17, 2020

<https://cwcb.colorado.gov/>

Tasks
Provide a detailed description of each task using the following format: (PLEASE DEFINE ACRONYMS)
<u>Task 1 – Project Survey Development and Resource Concerns Analysis</u>
<p>Description of Task:</p> <p>Lower Ark has identified the project as a high need area for lining; has secured funds from other resources and talked to stakeholders; the canal company, and local producers for moving forward on the project. This task will identify resource concerns with local producers, residents, and stakeholders then perform any technical analysis and surveys to implement the project. Lower Ark has already been surveying the ditch and has preliminary data on the project and would just have to survey or design any changes to the lateral that would be adjoining pipeline or divide boxes. In speaking with the producers, there was a concern about the way the lateral traverses, however should this be entertained, the finalization would take place after a survey and any design work that would be required for small fittings or applications leading into the liner. The liner itself will not require a design as it is just being laid on an existing ditch bank system.</p>
<p>Method/Procedure:</p> <p>Lower Ark will host local meetings, phone calls, and public hearings with Otero county to ensure execution of work is ready to be performed and that all resource concerns are addressed. Following all final plans, Lower Ark will survey the ditch and any changes that are recommended using either a laser level or Trimble survey equipment. Designs of small fittings will occur in AutoCAD with final plans provided by SilverBack.</p>
<p>Grantee Deliverable: (Describe the deliverable the grantee expects from this task)</p> <p>To address all resource concerns; a survey of the pre-lining and post-lining project; and any design of the project.</p>
<p>CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)</p> <p>A list of any resource concerns, meetings performed, and all survey and designs required by the project.</p>



Last Update: March 17, 2020

<https://cwcb.colorado.gov/>

Tasks
Provide a detailed description of each task using the following format: (PLEASE DEFINE ACRONYMS)
<u>Task 2 – Project Implementation</u>
Description of Task:
Lower Ark will work with SilverBack Linings to install the liner on the ditch ensuring that all banks are secured, and banks are covered with the liner to prevent erosion. Any transitions into and out of fittings, such as divide boxes, earthen ditch, or pipeline will need to be properly secured.
Method/Procedure:
Using the technology described in the case study provided in Exhibit D, the liner will be installed and supplemented with pre-installation, during installation, and post-installation photos for documentation.
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
A lined earthen ditch.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
Progress photos with a progress report following all project work.



Last Update: March 17, 2020

<https://cwcb.colorado.gov/>

Tasks
Provide a detailed description of each task using the following format: (PLEASE DEFINE ACRONYMS)
<u>Task 3 – Irrigation Efficiency Rules Modeling</u>
<p>Description of Task:</p> <p>Following the installation of the liner, Lower Ark will work with the producers to enroll in a Rule 10 irrigation improvement rule plan. The producers are aware of this and know of the obligations required for this work. A similar project performed on Headgate 205 showed a 7 acre-foot deficit to the river that was covered in the Lower Ark non-Fort Lyon Rule 10 plan. The producers each paid a pro-rata share of water to cover this deficit. This is known, as four of the producers are also producers on Headgate 199 and fully understand the process behind this.</p>
<p>Method/Procedure:</p> <p>Lower Ark will use maps to model the project for insertion into a Rule 10 plan. The effective date of this will be in 2021 and the producers moving forward will cover all augmentation.</p>
<p>Grantee Deliverable: (Describe the deliverable the grantee expects from this task)</p> <p>A full compliance with the Rule 10 requirements.</p>
<p>CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)</p> <p>A map of the completed project and a letter from the producers showing they agree to comply with all irrigation efficiency rules.</p>



Last Update: March 17, 2020

<https://cwcb.colorado.gov/>

Tasks
Provide a detailed description of each task using the following format: (PLEASE DEFINE ACRONYMS)
<u>Task 4 – Project Oversight</u>
Description of Task:
Lower Ark will be administering the work on this grant and will be responsible for all six-month reports, final reporting, progress photos, invoicing, and local involvement.
Method/Procedure:
Lower Ark will document all work completed on the project including any changes, challenges, or other obstacles from beginning to end.
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
A fully completed project that is implemented on time and within budget.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
Six-month reports and a final report on the project work.



Last Update: March 17, 2020

<https://cwcb.colorado.gov/>

Budget and Schedule

Exhibit B - 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. A separate excel formatted Budget is required for engineering costs to include rate and unit costs.

Reporting Requirements

Progress Reports: The grantee 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. The CWCB may withhold reimbursement until satisfactory progress reports have been submitted.

Final Report: At completion of the project, the grantee shall provide the CWCB a Final Report on the grantee'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.

Payments

Payment will be made based on actual expenditures, must include invoices for all work completed and must be on grantee's letterhead. 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.

The CWCB will pay the last 10% of the entire water activity 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 water activity and purchase order or contract will be closed without any further payment. Any entity that fails to complete a satisfactory Final Report and submit to CWCB within 90 days of the expiration of a purchase order or contract may be denied consideration for future funding of any type from CWCB.

Performance Requirements

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

(b) Accountability: Per the 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 the 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.

Last Update: December 17, 2019



COLORADO
Colorado Water
Conservation Board
Department of Natural Resources

Colorado Water Conservation Board

Water Supply Reserve Fund

EXHIBIT B - BUDGET AND SCHEDULE - Direct & Indirect (Administrative) Costs

Date: September 30, 2020

Water Activity Name: Headgate 199 Lining

Grantee Name: Lower Arkansas Valley Water Conservancy District

<u>Task No.</u> ⁽¹⁾	<u>Description</u>	<u>Start Date</u> ⁽²⁾	<u>End Date</u>	<u>Matching Funds</u> (cash & in-kind) ⁽³⁾	<u>WSRF Funds</u> (Basin & Statewide combined) ⁽³⁾	<u>Total</u>	<u>Project Percent Breakdown</u>
1	Project Survey, Development, and Resource Concern	11/15/2020	12/31/2023	\$ 20,000.00	\$ 20,000.00	\$ 40,000.00	9%
2	Implementation	11/15/2020	12/31/2023	\$ 212,000.00	\$ 168,000.00	\$ 380,000.00	84%
3	Irrigation Efficiency Compliance	11/15/2020	12/31/2023	\$ 5,000.00	\$ 5,000.00	\$ 10,000.00	2%
4	Project Oversight	11/15/2020	12/31/2023	\$ 15,000.00	\$ 5,000.00	\$ 20,000.00	4%
Total				\$ 252,000.00	\$ 198,000.00	\$ 450,000.00	100%

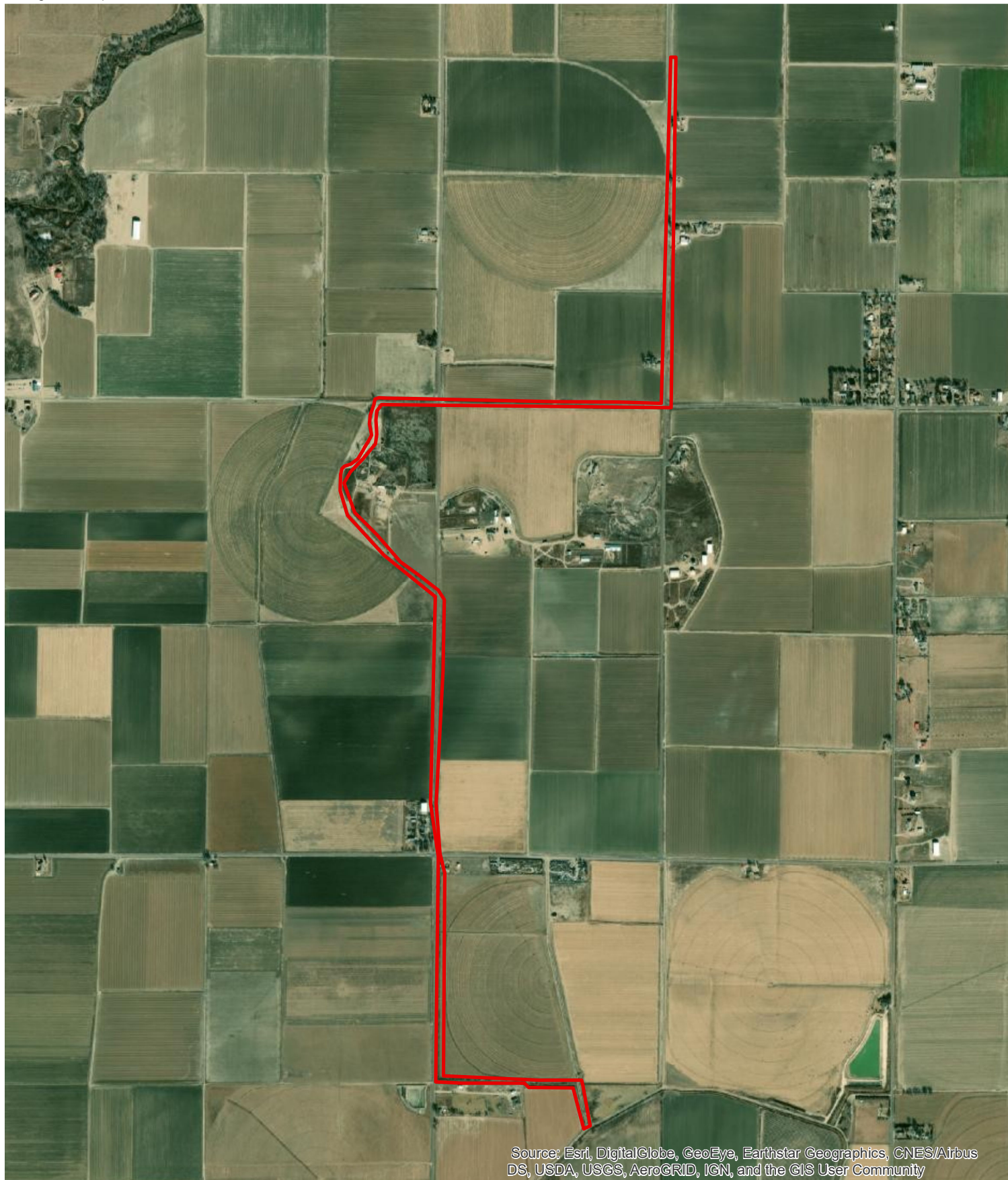
(1) The single task that include costs for Grant Administration must provide a labor breakdown (see Indirect Costs tab below) where the total WSRF Grant contribution towards that task does not exceed 15% of the total WSRF Grant amount.

(2) Round values up to the nearest hundred dollars.

• Additional documentation providing a Detailed/Itemized Budget may be required for contracting. Applicants are encouraged to coordinate with the CWCB Project Manager to determine specifics.

The CWCB will pay the last 10% of the entire water activity budget when the Final Report is completed to the satisfaction of the CWCB staff project manager. Once the Final Report has been accepted, the final payment has been issued, the water activity and purchase order (PO) or contract will be closed without any further payment. Any entity that fails to complete a satisfactory Final Report and submit to the CWCB with 90 days of the expiration of the PO or contract may be denied consideration for future funding of any type from the CWCB.

• Additionally, the applicant shall provide a progress report every 6 months, beginning from the date of contract execution



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Otero County
Catlin Canal
Headgate 199



Map

0 0.15 0.3 0.6 Miles