



COLORADO WATER CONSERVATION BOARD



WATER SUPPLY RESERVE ACCOUNT APPLICATION FORM

Helena Diversion Structure/BV Boat Chute Improvement Project
Arkansas River Basin Phase 2

Name of Water Activity/Project

Upper Arkansas Water Conservancy District

Name of Applicant

Arkansas Basin
Roundtable

Amount from Statewide Account:

\$0

Amount from Basin Account(s):

\$43,125

Total WSRA Funds Requested:

\$43,125

Approving Basin Roundtable(s)

(If multiple basins specify amounts in parentheses.)

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Required Exhibits

- A. Statement of Work, Budget, and Schedule
- B. Project Map
- C. As Needed (i.e. letters of support, photos, maps, etc.)

Appendices – Reference Material

- 1. Program Information
- 2. Insurance Requirements
- 3. WSRA Standard Contract Information (Required for Projects Over \$100,000)
- 4. W-9 Form (Required for All Projects Prior to Contracting)

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Instructions

To receive funding from the Water Supply Reserve Account (WSRA), a proposed water activity must be approved by the local Basin Roundtable **AND** the Colorado Water Conservation Board (CWCB). The process for Basin Roundtable consideration and approval is outlined in materials in Appendix 1.

Once approved by the local Basin Roundtable, the applicant should submit this application **with a detailed statement of work including budget and schedule as Exhibit A** to CWCB staff by the application deadline.

WSRA applications are due with the roundtable letter of support 60 calendar days prior to the bi-monthly Board meeting at which it will be considered. Board meetings are held in January, March, May, July, September, and November. Meeting details, including scheduled dates, agendas, etc. are posted on the CWCB website at: <http://cwcb.state.co.us> Applications to the WSRA Basin Account are considered at every board meeting, while applications to the WSRA Statewide Account are only considered at the March and September board meetings.

When completing this application, the applicant should refer to the WSRA Criteria and Guidelines available at: <http://cwcb.state.co.us/LoansGrants/water-supply-reserve-account-grants/Documents/WSRACriteriaGuidelines.pdf>

The application, statement of work, budget, and schedule **must be submitted in electronic format** (Microsoft Word or text-enabled PDF are preferred) and can be emailed or mailed on a disk to:

Greg Johnson – WSRA Application
Colorado Water Conservation Board
1580 Logan Street, Suite 200
Denver, CO 80203
gregory.johnson@state.co.us

If you have questions or need additional assistance, please contact Greg Johnson at: 303-866-3441 x3249 or gregory.johnson@state.co.us.

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Part I. - Description of the Applicant (Project Sponsor or Owner);

1.	Applicant Name(s):	Upper Arkansas Water Conservancy District		
	Mailing address:	P.O. Box 1090 339 East Highway 50 Salida, CO 81201		
	Taxpayer ID#:	84-0817067		
	Primary Contact:	Ralph L. Scanga, Jr.	Position/Title:	General Manager
	Email:	manager@uawcd.com		
	Phone Numbers:	Cell: 719-207-1157	Office:	719-539-5425
	Alternate Contact:		Position/Title:	
	Email:			
	Phone Numbers:	Cell:	Office:	

2. Eligible entities for WSRA funds include the following. What type of entity is the Applicant?

- ☐ Public (Government) – municipalities, enterprises, counties, and State of Colorado agencies. Federal agencies are encouraged to work with local entities and the local entity should be the grant recipient. Federal agencies are eligible, but only if they can make a compelling case for why a local partner cannot be the grant recipient.
- ☒ Public (Districts) – authorities, Title 32/special districts, (conservancy, conservation, and irrigation districts), and water activity enterprises.
- ☐ Private Incorporated – mutual ditch companies, homeowners associations, corporations.
- ☐ Private individuals, partnerships, and sole proprietors are eligible for funding from the Basin Accounts but not for funding from the Statewide Account.
- ☐ Non-governmental organizations – broadly defined as any organization that is not part of the government.

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3. Provide a brief description of your organization

The Upper Arkansas Water Conservancy District (UAWCD) was formed in 1979 pursuant to C.R.S. 37-45-102 and case number 79CV30. The district is a quasi-municipality created to conserve water resources and to provide the greatest beneficial use of water in the Upper Arkansas River Basin by construction as defined in C.R.S. 37-45-103(10): dams, reservoirs, canals, conduits, pipelines, tunnels, and all works, facilities, improvements, and property necessary or convenient for supplying water for domestic, irrigation, power, milling, manufacturing, mining, metallurgical, and all other beneficial uses. About 7,000 District customers use water for irrigation (38% of use); municipal storage (25%); and domestic and commercial augmentation (18%). Its service area covers over 2 million high mountain acres in Chaffee, Fremont, Custer and parts of Saguache and El Paso Counties.

A brief history of the applicant

In 1979, the Upper Arkansas Water Conservancy District (UAWCD) was created. In 1982, it assumed control of three high mountain reservoirs in Chaffee County. Since assuming control of the reservoirs, UAWCD has provided storage for two growing municipalities on the South Arkansas River: Salida and Poncha Springs.

From 1980-2000, UAWCD pioneered conjunctive ground water and surface water management, filing the first-ever blanket water augmentation plan for all of Chaffee and part of Fremont County. It acquired storage at two reservoirs tributary to the Arkansas River. It acquired water rights to meet increased demand for augmentation due to promulgation in 1996 of *Amended Rules and Regulations Governing the Diversion and Use of Tributary Ground Water in the Arkansas River Basin*. The Arkansas River Basin is fully-appropriated.

By the early-2000s, population escalated. Double-digit population growth increased municipal demands, intensifying the need for reservoir storage. By utilizing Pueblo Reservoir and Twin Lakes water in conjunction with its tributary storage, UAWCD increased water use efficiency and met municipal demand. To meet growing municipal and augmentation demand, UAWCD expanded the geographic extent of its blanket augmentation plans into eastern Fremont and Custer Counties. As part of its approval, the State Engineer mandated that UAWCD install remote continuous recording instrumentation at most of its reservoirs and certain stream locations.

In the late-2000s, UAWCD built 22 high mountain telemetry water data collection platforms. To do so, it leveraged federal Bureau of Reclamation funds of ~\$285,000 and state funds of ~\$285,000. The project was twice selected as a nationwide success story. More than 500,000 down-basin residents are affected by available supplies of Upper Arkansas River water. Data is managed with Colorado Division of Water Resources software so records for administration/augmentation agree. See <http://www.dwr.state.co.us/SurfaceWater/> and http://www.uawcd.com/water_resources.php

In the early 2010s, UAWCD implemented its ~\$400,000 US Geological Survey (USGS) water balance study to quantify both surface water and ground water and characterize the interaction between them in the Upper Arkansas River Basin. UAWCD leveraged federal USGS funds of ~\$135,000 and state funds of ~\$180,000. Study results will enhance the basin-wide decision-making framework for water users including municipalities, irrigators, and recreationists.

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4. If the Contracting Entity is different then the Applicant (Project Sponsor or Owner) please describe the Contracting Entity here.

N/A

5. Successful applicants will have to execute a contract with the CWCB prior to beginning work on the portion of the project funded by the WSRA grant. In order to expedite the contracting process the CWCB has established a standard contract with provisions the applicant must adhere to. A link to this standard contract is included in Appendix 3. Please review this contract and check the appropriate box.

☒ The Applicant will be able to contract with the CWCB using the Standard Contract

☐ The Applicant has reviewed the standard contract and has some questions/issues/concerns. Please be aware that any deviation from the standard contract could result in a significant delay between grant approval and the funds being available.

6. The Tax Payer Bill of Rights (TABOR) may limit the amount of grant money an entity can receive. Please describe any relevant TABOR issues that may affect the applicant.

The District is able to receive the grant funding requested herein during its fiscal year 2013 – 2014 without triggering any issues related to TABOR limitations.

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Part II. - Description of the Water Activity/Project

1. What is the primary purpose of this grant application? (Please check only one)

☒ Nonconsumptive (Environmental or Recreational)

☒ Agricultural

☐ Municipal/Industrial

☐ Needs Assessment

☐ Education

☐ Other Explain:

2. If you feel this project addresses multiple purposes please explain.

The nonconsumptive component is recreational and environmental. The ditch headgate diversion structure is an integrated system that involves the headgate wall and side gate, delivery channel, and bypass structure. Phase 2 will enhance the overall engineering soundness and vastly improve boater safety and fish habitat. The Agricultural component is delivery of water to the Helena Ditch. Phase 2 will improve the delivery efficiency and availability of water for irrigation. It will also provide sustainability of this water for future irrigation purposes.

3. Is this project primarily a study or implementation of a water activity/project? (Please check only one)

☐ Study

☒ Implementation

4. To catalog measurable results achieved with WSRA funds can you provide any of the following numbers?

New Storage Created (acre-feet)

New Annual Water Supplies Developed, Consumptive or Nonconsumptive (acre-feet)

Existing Storage Preserved or Enhanced (acre-feet)

Length of Stream Restored or Protected (linear feet)

Length of Pipe/Canal Built or Improved (linear feet)

Efficiency Savings (acre-feet/year OR dollars/year – **circle one**)

Area of Restored or Preserved Habitat (acres)

☒ Other -- Explain: Head gate/concrete channel & by-pass diversion structure

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4. To help us map WSRA projects please include a map (Exhibit B) and provide the general coordinates below:

Latitude:

Longitude:

5. Please provide an overview/summary of the proposed water activity (no more than one page). Include a description of the overall water activity and specifically what the WSRA funding will be used for. A full **Statement of Work** with a detailed budget and schedule is required as **Exhibit A** of this application.

This grant application is to continue an existing engineering and construction project on the Helena Diversion Structure in the Arkansas River at Buena Vista. Improvements to this structure will be beneficial in many ways. Construction will improve the delivery efficiency, availability and sustainability of water for irrigation to water right owners as well as integrating further boater safety and improved fishery.

Studies for Phase 1 of this project uncovered the need for additional improvements to the Helena Ditch structure. Phase 1 focused on improvements within the stream on the diversion structure and replacement of the head gate. The study showed that there were additional needs to update and replace the concrete structure behind the head gate and to improve the bypass structure. Phase 2 of this project is focused on the replacement and improvement of the ditch channel and bypass of the Helena Ditch Structure.

Continuing this project into a Phase 2 will vastly improve all aspects of this project. Phase 2 will enhance the overall engineering soundness of the structures and give much needed improvements to the ditch channel itself. The ditch channel is old and the concrete is cracking and splitting in areas. There is also a need to widen the ditch and the bypass structures to allow for the potential of future water availability. Improvements to this structure will optimize delivery efficiency of water and provide sustainability for future uses.

Phase 2 will greatly impact the overall completeness of the original project. The replacement and updating of the existing structure will allow engineers to fully accomplish a complete restoration of the Helena Diversion, Boat Chute, Head Gate, Ditch and Bypass. The improvements of all of these structures will create an integrated system that will increase boater safety, improve fishery and enhance the availability, efficiency and sustainability of water for irrigation.

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Part III. – Threshold and Evaluation Criteria

1. Describe how the water activity meets these **Threshold Criteria**. (Detailed in Part 3 of the Water Supply Reserve Account Criteria and Guidelines.)

- a) The water activity is consistent with Section 37-75-102 Colorado Revised Statutes.¹

This project will not affect existing water rights. All investigations will be undertaken in cooperation with the signatories to the Arkansas River Voluntary Flow Agreement, an accord that assists in sustaining the recreational economy of the upper Arkansas River Valley.

- b) The water activity underwent an evaluation and approval process and was approved by the Basin Roundtable (BRT) and the application includes a description of the results of the BRT's evaluation and approval of the activity. At a minimum, the description must include the level of agreement reached by the roundtable, including any minority opinion(s) if there was not general agreement for the activity. The description must also include reasons why general agreement was not reached (if it was not), including who opposed the activity and why they opposed it. Note- If this information is included in the letter from the roundtable chair simply reference that letter.

¹ 37-75-102. Water rights - protections. (1) It is the policy of the General Assembly that the current system of allocating water within Colorado shall not be superseded, abrogated, or otherwise impaired by this article. Nothing in this article shall be interpreted to repeal or in any manner amend the existing water rights adjudication system. The General Assembly affirms the state constitution's recognition of water rights as a private usufructuary property right, and this article is not intended to restrict the ability of the holder of a water right to use or to dispose of that water right in any manner permitted under Colorado law. (2) The General Assembly affirms the protections for contractual and property rights recognized by the contract and takings protections under the state constitution and related statutes. This article shall not be implemented in any way that would diminish, impair, or cause injury to any property or contractual right created by intergovernmental agreements, contracts, stipulations among parties to water cases, terms and conditions in water decrees, or any other similar document related to the allocation or use of water. This article shall not be construed to supersede, abrogate, or cause injury to vested water rights or decreed conditional water rights. The General Assembly affirms that this article does not impair, limit, or otherwise affect the rights of persons or entities to enter into agreements, contracts, or memoranda of understanding with other persons or entities relating to the appropriation, movement, or use of water under other provisions of law.

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- c) The water activity meets the provisions of Section 37-75-104(2), Colorado Revised Statutes.² The Basin Roundtable Chairs shall include in their approval letters for particular WSRA grant applications a description of how the water activity will assist in meeting the water supply needs identified in the basin roundtable's consumptive and/or non-consumptive needs assessments.
- d) Matching Requirement: For requests from the **Statewide Fund**, the applicants is required to demonstrate a **20 percent** (or greater) match of the request from the Statewide Account. Statewide requests must also include a minimum match of **5 percent** of the total grant amount from Basin Funds. Sources of matching funds include but are not limited to Basin Funds, in-kind services, funding from other sources, and/or direct cash match. Past expenditures directly related to the project may be considered as matching funds if the expenditures occurred within 9 months of the date the application was submitted to the CWCB. Please describe the source(s) of matching funds. (NOTE: These matching funds should also be reflected in your Detailed Budget in **Exhibit A** of this application)

The matching funds for the proposed water project are being matched by Helena Ditch water right owners in the amount of \$10,000.

² 37-75-104 (2)(c). Using data and information from the Statewide Water Supply Initiative and other appropriate sources and in cooperation with the on-going Statewide Water Supply Initiative, develop a basin-wide consumptive and nonconsumptive water supply needs assessment, conduct an analysis of available unappropriated waters within the basin, and propose projects or methods, both structural and nonstructural, for meeting those needs and utilizing those unappropriated waters where appropriate. Basin Roundtables shall actively seek the input and advice of affected local governments, water providers, and other interested stakeholders and persons in establishing its needs assessment, and shall propose projects or methods for meeting those needs. Recommendations from this assessment shall be forwarded to the Interbasin Compact Committee and other basin roundtables for analysis and consideration after the General Assembly has approved the Interbasin Compact Charter.

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2. For Applications that include a request for funds from the **Statewide Account**, describe how the water activity/project meets all applicable **Evaluation Criteria**. (Detailed in Part 3 of the Water Supply Reserve Account Criteria and Guidelines and repeated below.) Projects will be assessed on how well they meet the Evaluation Criteria. **Please attach additional pages as necessary.**

Evaluation Criteria – the following criteria will be utilized to further evaluate the merits of the water activity proposed for funding from the Statewide Account. In evaluation of proposed water activities, preference will be given to projects that meet one or more criteria from each of the three “tiers” or categories. Each “tier” is grouped in level of importance. For instance, projects that meet Tier 1 criteria will outweigh projects that only meet Tier 3 criteria. WSRA grant requests for projects that may qualify for loans through the CWCB loan program will receive preference in the Statewide Evaluation Criteria if the grant request is part of a CWCB loan/WSRA grant package. For these CWCB loan/WSRA grant packages, the applicant must have a CWCB loan/WSRA grant ratio of 1:1 or higher. Preference will be given to those with a higher loan/grant ratio.

Tier 1: Promoting Collaboration/Cooperation and Meeting Water Management Goals and Identified Water Needs

- a. The water activity addresses multiple needs or issues, including consumptive and/or non-consumptive needs, or the needs and issues of multiple interests or multiple basins. This can be demonstrated by obtaining letters of support from other basin roundtables (in addition to an approval letter from the sponsoring basin).
- b. The number and types of entities represented in the application and the degree to which the activity will promote cooperation and collaboration among traditional consumptive water interests and/or non-consumptive interests, and if applicable, the degree to which the water activity is effective in addressing intrabasin or interbasin needs or issues.
- c. The water activity helps implement projects and processes identified as helping meet Colorado’s future water needs, and/or addresses the gap areas between available water supply and future need as identified in SWSI or a roundtable’s basin-wide water needs assessment.

Tier 2: Facilitating Water Activity Implementation

- d. Funding from this Account will reduce the uncertainty that the water activity will be implemented. For this criterion the applicant should discuss how receiving funding from the Account will make a significant difference in the implementation of the water activity (i.e., how will receiving funding enable the water activity to move forward or the inability obtaining funding elsewhere).
- e. The amount of matching funds provided by the applicant via direct contributions, demonstrable in-kind contributions, and/or other sources demonstrates a significant & appropriate commitment to the project.

Tier 3: The Water Activity Addresses Other Issues of Statewide Value and Maximizes Benefits

- f. The water activity helps sustain agriculture & open space, or meets environmental or recreational needs.
- g. The water activity assists in the administration of compact-entitled waters or addresses problems related to compact entitled waters and compact compliance and the degree to which the activity promotes maximum utilization of state waters.
- h. The water activity assists in the recovery of threatened and endangered wildlife species or Colorado State species of concern.
- i. The water activity provides a high level of benefit to Colorado in relationship to the amount of funds requested.
- j. The water activity is complimentary to or assists in the implementation of other CWCB programs.

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Continued: Explanation of how the water activity/project meets all applicable **Evaluation Criteria**.
Please attach additional pages as necessary.

N/A

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Part IV. – Required Supporting Material

1. **Water Rights, Availability, and Sustainability** – This information is needed to assess the viability of the water project or activity. Please provide a description of the water supply source to be utilized, or the water body to be affected by, the water activity. This should include a description of applicable water rights, and water rights issues, and the name/location of water bodies affected by the water activity.

The Arkansas River, from the confluence with the Lake Fork to Pueblo State Park

2. Please provide a brief narrative of any related studies or permitting issues.

This grant application is for Phase Two of the Helena Diversion Structure/ BV Boat Chute Improvement Project Arkansas River Basin.

3. Statement of Work, Detailed Budget, and Project Schedule

The statement of work will form the basis for the contract between the Applicant and the State of Colorado. In short, the Applicant is agreeing to undertake the work for the compensation outlined in the statement of work and budget, and in return, the State of Colorado is receiving the deliverables/products specified. **Please note that costs incurred prior to execution of a contract or purchase order are not subject to reimbursement.** All WSRA funds are disbursed on a reimbursement basis after review invoices and appropriate backup material.

Please provide a detailed statement of work using the template in Exhibit A. Additional sections or modifications may be included as necessary. Please define all acronyms and include page numbers.

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REPORTING AND FINAL DELIVERABLE

Reporting: The applicant shall provide the CWCB a progress report every 6 months, beginning from the date of the executed contract. The progress report shall describe the completion or partial completion 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 Deliverable: At completion of the project, the applicant shall provide the CWCB a final report that summarizes the project and documents how the project was completed. This report may contain photographs, summaries of meetings and engineering reports/designs.

PAYMENT

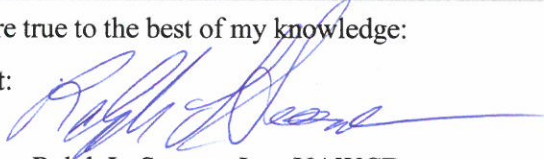
Payment will be made based on actual expenditures and invoicing by the applicant. Invoices from any other entity (i.e. subcontractors) cannot be processed by the State. The request for payment must include a description of the work accomplished by major task, and estimate of the percent completion for individual tasks and the entire water activity in relation to the percentage of budget spent, identification of any major issues and proposed or implemented corrective actions. The last 5 percent of the entire water activity budget will be withheld until final project/water activity documentation is completed. All products, data and information developed as a result of this grant must be provided to the CWCB in hard copy and electronic format as part of the project documentation. This information will in turn be made widely available to Basin Roundtables and the general public and help promote the development of a common technical platform.

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The above statements are true to the best of my knowledge:

Signature of Applicant:



Print Applicant's Name: Ralph L. Scanga, Jr. – UAWCD

Project Title: Helena Diversion Structure / BV Chute Improvement Project Arkansas River Phase 2

Return an electronic version (hardcopy may also be submitted) of this application to:

Greg Johnson – WSRA Application
Colorado Water Conservation Board
1580 Logan Street, Suite 200
Denver, CO 80203
gregory.johnson@state.co.us

EXHIBIT A

Statement of Work
Budget & Schedule

Exhibit A
Statement of Work

**WATER ACTIVITY NAME – Helena Diversion Structure/ BV Boat Chute Improvement
Project Arkansas River Basin Phase 2**

GRANT RECIPIENT – Upper Arkansas Water Conservancy District

FUNDING SOURCE – Basin Account

INTRODUCTION AND BACKGROUND

This grant application is to continue an existing engineering and construction project on the Helena Diversion Structure in the Arkansas River at Buena Vista. Improvements to this structure will be beneficial in many ways. Construction will improve the delivery efficiency, availability and sustainability of water for irrigation to water right owners as well as integrating further boater safety and improved fishery.

The Phase 2 portion of the Helena Ditch Headgate involves the addition of a concrete ditch channel and flow bypass structure to the Arkansas River. The ditch headgate diversion structure is an integrated system that involves the headgate wall and side gate, delivery channel, and bypass structure. Phase 1 of the project will construct the headgate wall. Phase 2 will complete the replacement of the existing bypass structure and with the Phase 1 improvements allow the system to regulate water right flow amounts in to the ditch while at the same bypassing excess flows that are experienced during river water level fluctuations.

OBJECTIVES

The objectives of Phase 2 of the study are to:

- Construct a new concrete channel and bypass structure that will improve the availability and sustainability of water right flow amounts.
- Improve the system's ability to regulate flow amounts while at the same time bypassing excess flows that are experienced at water flow fluctuations.
- Improve boater safety and fish habitat by fully restoring all structures associated with this integrated system.
- Improve future habitat by installing rock armoring erosion protection
- Improving the overall engineering soundness of the structures

TASKS

- Task1: Removal of Existing Structures
- Task 2: Construction and Installation of Concrete Channel and Bypass Structure
- Task 3: Installation of Control Gate
- Task 4: Installation of Rock Armoring Erosion Protection
- Task 5: Engineering and Inspection
- (Please refer to Exhibit C for construction details)

TASK 1 – Removal of Existing Structures

Description of Task

The purpose of this task is to remove the existing diversion channel and bypass structures. The removal of these structures will allow for a new concrete channel and bypass structure to be installed.

Method/Procedure

The contractor will remove all structures with approved construction techniques and equipment.

Deliverable

Complete removal of the existing channel and bypass structure to allow for future installment of new channel and bypass structures.

TASK 2 – Construction and Installation of New Concrete Channel and Bypass Structure

Description of Task

The purpose of this task is to construct and install a 45-feet of 8-foot wide concrete channel and bypass structure to be connected to the headgate wall.

Method/Procedure

The contractor will furnish a concrete cast in place channel and bypass structure. The structures will be made with cold weather concreting and will be tied into the existing wall.

Deliverable

Complete construction and installation of the concrete channel and bypass structure. The channel will be 8 feet wide and 4 feet deep. The new ditch invert flow line will be lowered 3 inches and the bypass structure will be widened.

TASK 3- Installation of Control Gate

Description of Task

The purpose of this task is to furnish and install a 6-foot wide by 4-foot tall regulating control gate.

Method/Procedure

Contractor will install control gate

Deliverable

An installed 6 foot wide and 4 feet tall regulating control gate.

TASK 4- Installation of Rock Armoring Erosion Protection

Description of Task

The purpose of this task is to furnish and install Un-grouted Rock below the bypass structure for erosion protection.

Method/Procedure

Contractor will use approved equipment and techniques to fill the area under the bypass structure with un-grouted rock.

Deliverable

The final product will be a new un-grouted rock armoring erosion protection area.

Task 5- Engineering and Inspection

Description of Task

The purpose of this task is to have a licensed professional Engineer one site for two inspections as well as a final review.

Method/ Procedure

Higher a licensed professional Engineer and request 2 inspections and a final review

Deliverable

The Engineer will approve all new structures and will ensure that they are structurally sound and meet all requirements of the project.

Budget: Helena Ditch Structure Improvement Project - Phase 2

Task	Description	Matching Funds	WSRA Funds	Total
1	Removal of Existing Structures	\$0.00	\$1,083.46	\$1,083.46
2	Construction and Installation of Concrete Channel and Bypass Structure	\$0.00	\$25,859.70	\$25,859.70
3	Installation of Control Gate	\$0.00	\$8,907.80	\$8,907.80
4	Installation of Rock Armoring Erosion Protection	\$0.00	\$4,149.04	\$4,149.04
5	Engineering and Inspection	\$10,000.00	\$3,125.00	\$13,125.00
Totals		\$10,000.00	\$43,125.00	\$53,125.00

Helena Ditch Structure Improvement Project Phase 2 Schedule

Date: 11/27/2013

TASK	Start Date	Finish Date
Task 1: Removal of Existing Structures	Upon NTP	NTP + 15days
Task 2: Construction and Installation of Concrete Channel and Bypass Structure	Upon NTP	NTP + 30 days
Task 3: Installation of Control Gate	Upon NTP	NTP + 30 days
Task 4: Installation of Rock Armoring Erosion Protection	Upon NTP	NTP + 45 days
Task 5: Engineering and Inspection	Upon NTP	NTP + 45 days

EXHIBIT B

Project Maps

Exhibit B

Maps

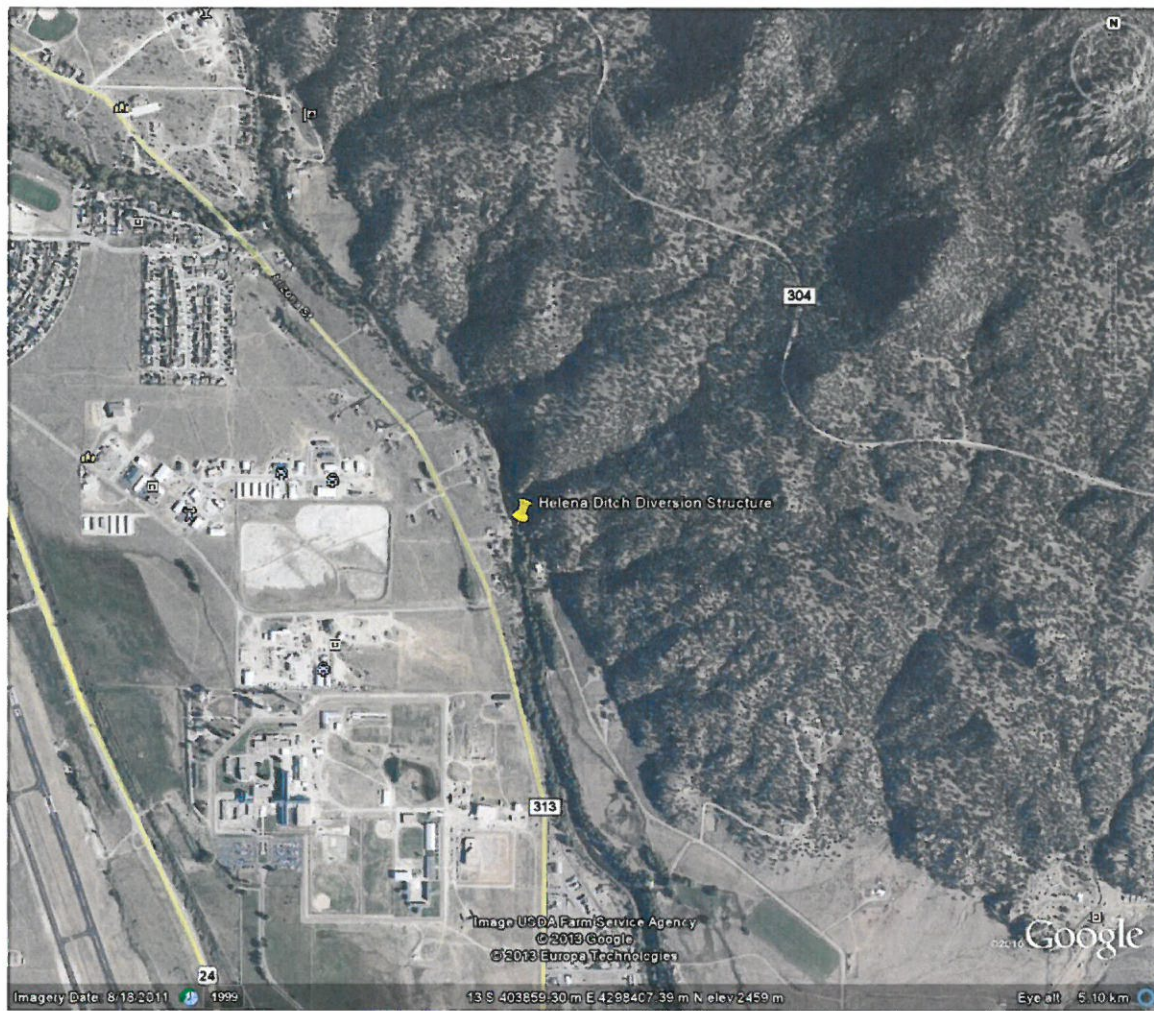


Exhibit B

Maps

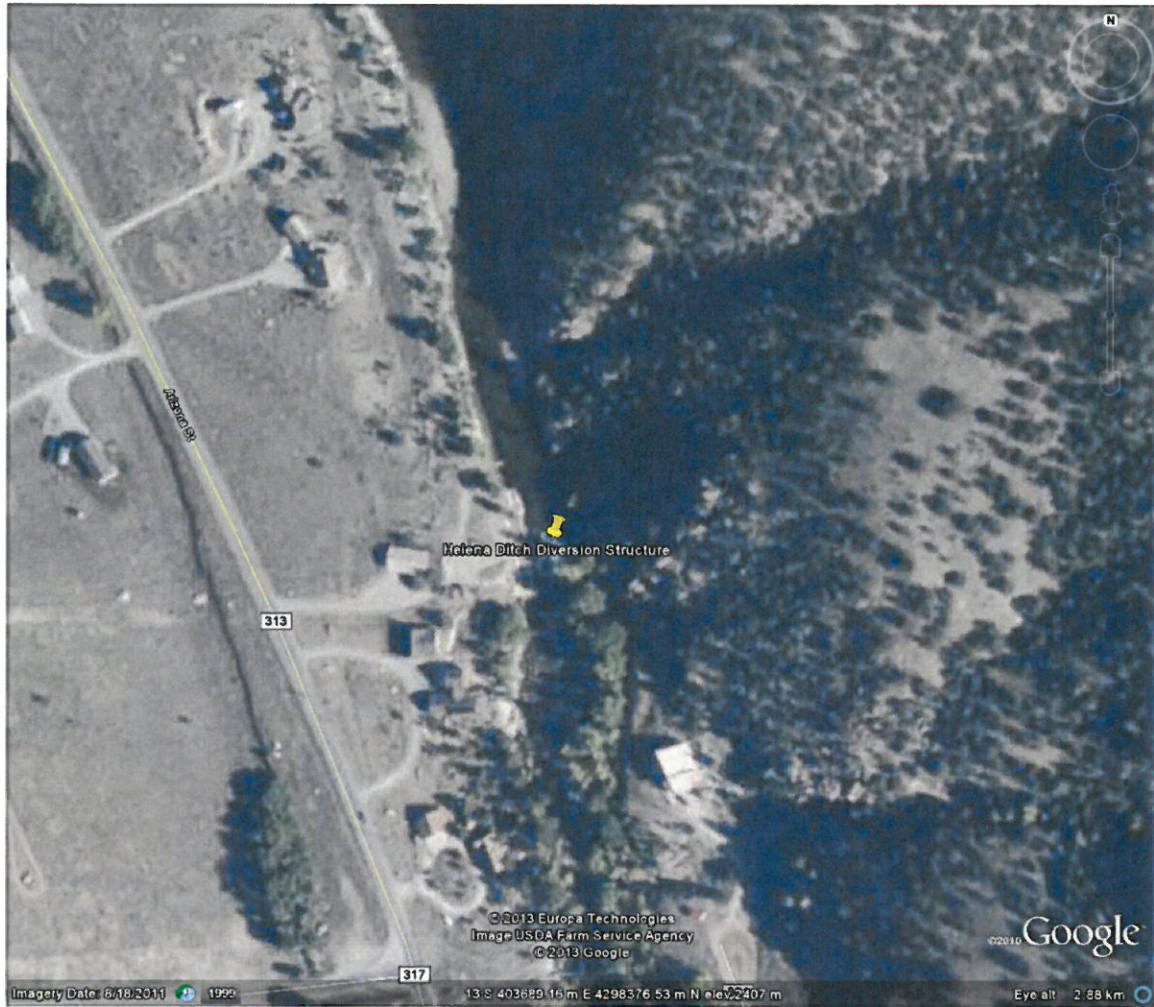


EXHIBIT C
PROJECT DESIGN
DRAWINGS
PROJECT OVERVIEW & CROSS
SECTIONS

Helena Ditch Diversion on the Arkansas River

Construction Drawings - Headgate

Buena Vista, CO

PROJECT: Arkansas Headwaters Recreation Area
CLIENT: Upper Arkansas Water Conservancy District
OWNER: Helena Ditch Users
ENGINEER:



P.O. BOX 1301
RIFLE, COLORADO 81660
PHONE: 970-625-4933
FAX: 970-625-4564
PROJECT ENGINEER:
CHRISTOPHER MANERA P.E. #30579

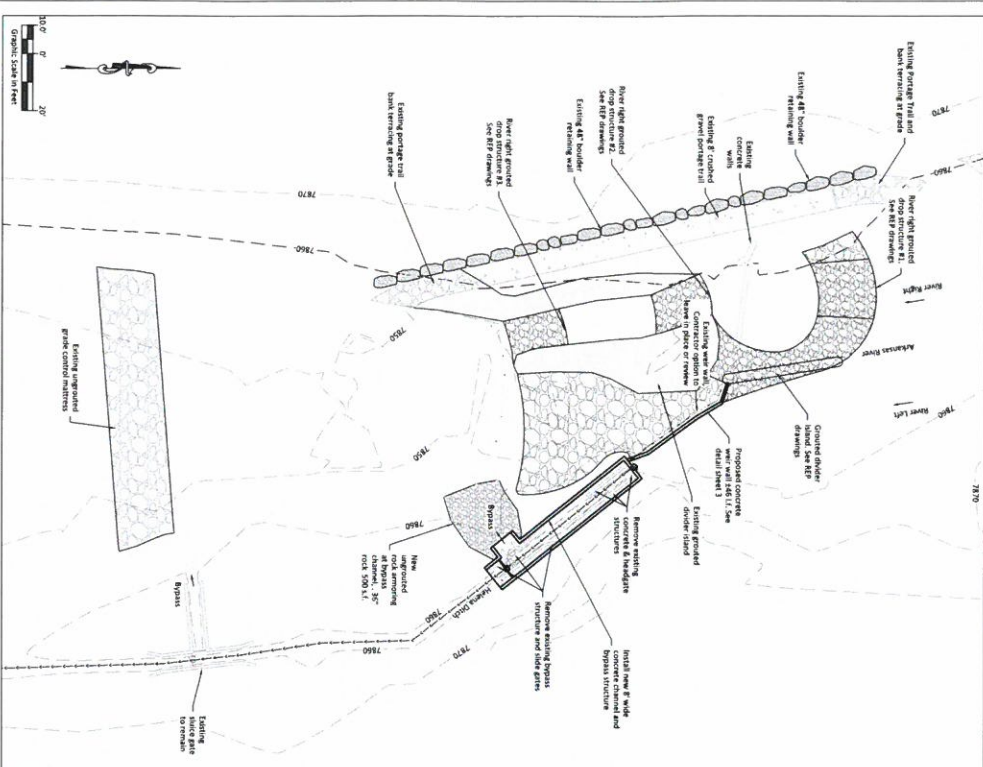
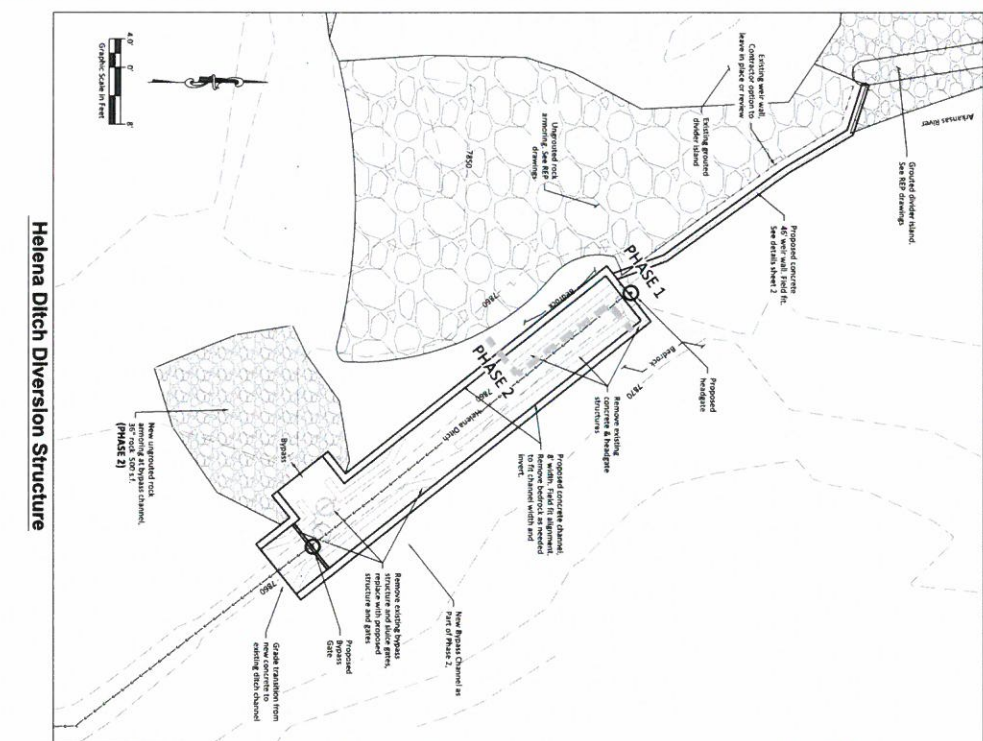
GENERAL NOTES

1. Match existing elevations for improvements.
2. The elevations on the plan are approximate. The contractor is to document profile elevations prior to the start of construction.
3. Field fit the proposed wall, diversion channel box structures, and headgate locations based on the existing site conditions and per the engineer's approval.
4. This design set is a subset of the Helena Ditch Diversion Structure Improvement Project by Recreation, Engineering and Planning (REP).

Sheet	Title
9	Plan View
10	Wall Plan, Profile and Details
11	Structure Plan and Profile
12	Details



10/7/13

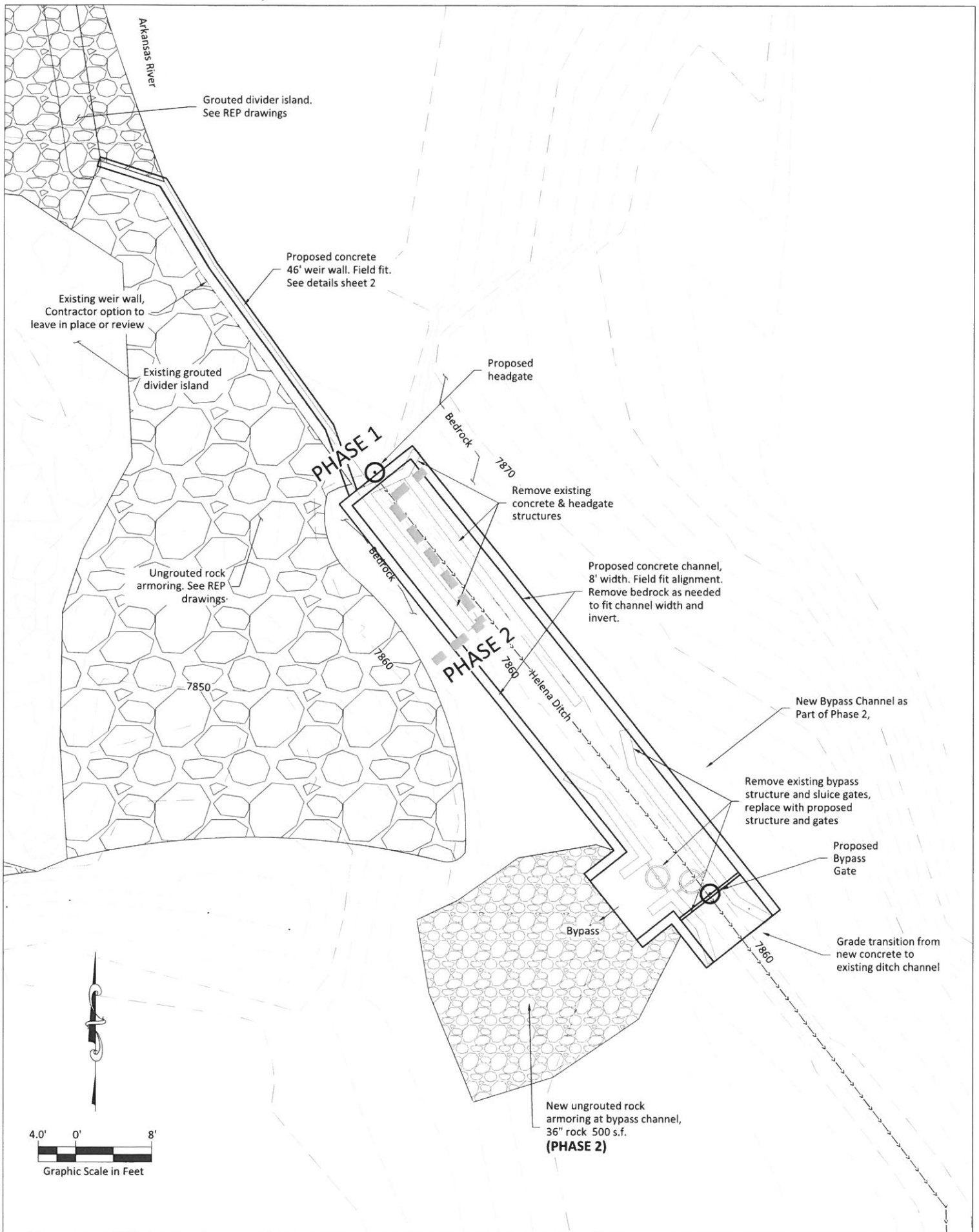


PROJECT OVERVIEW

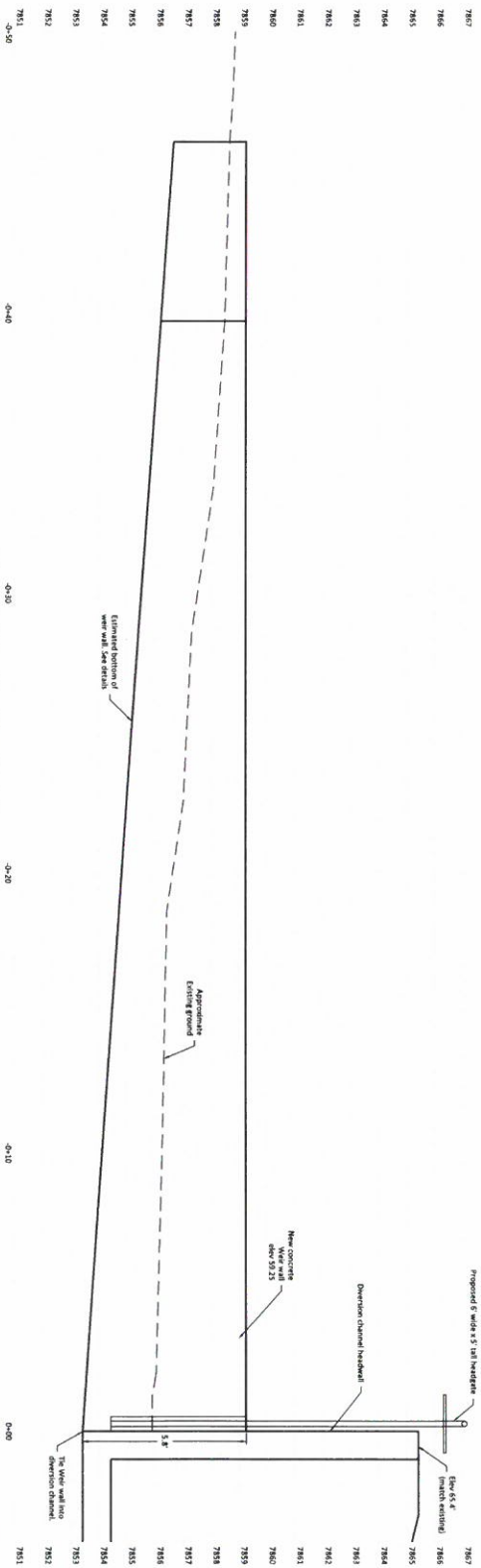
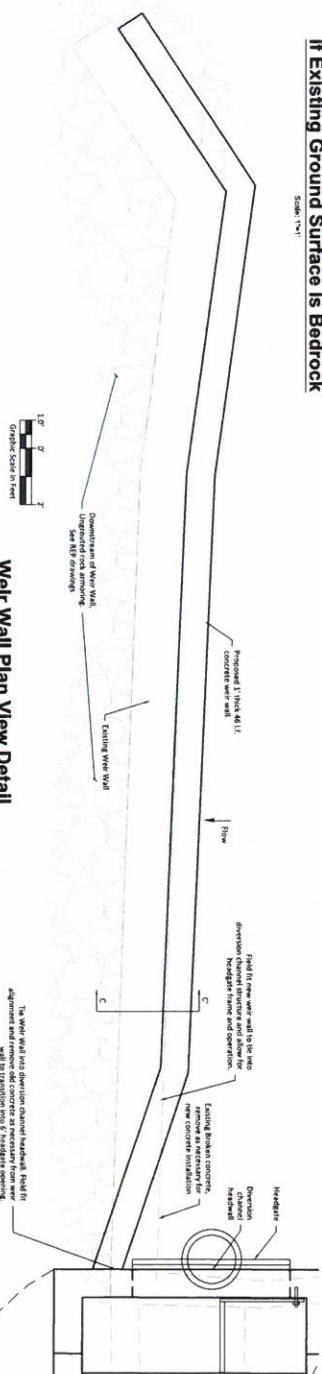
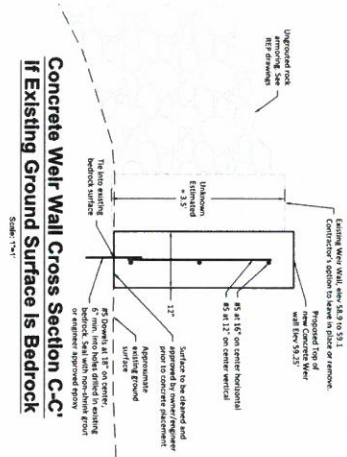
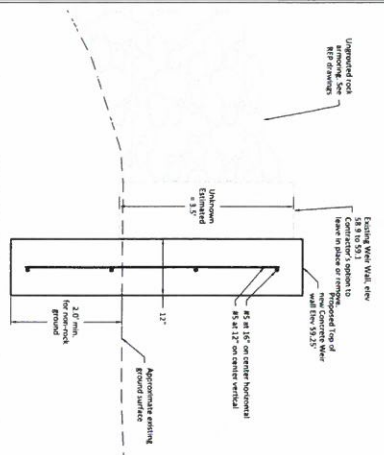
No.	Description	By	Date	Approved	Date
1	Prepared plan of Phase 1 & Phase 2	CM	7/20/13		
2	Revised plan of Phase 1 & Phase 2	CM	7/20/13		
3	Revised plan of Phase 1 & Phase 2	CM	7/20/13		
4	Revised plan of Phase 1 & Phase 2	CM	7/20/13		

No.	Description	By	Date	Approved	Date
1	Prepared plan of Phase 1 & Phase 2	CM	7/20/13		
2	Revised plan of Phase 1 & Phase 2	CM	7/20/13		
3	Revised plan of Phase 1 & Phase 2	CM	7/20/13		
4	Revised plan of Phase 1 & Phase 2	CM	7/20/13		

No.	Description	By	Date	Approved	Date
1	Prepared plan of Phase 1 & Phase 2	CM	7/20/13		
2	Revised plan of Phase 1 & Phase 2	CM	7/20/13		
3	Revised plan of Phase 1 & Phase 2	CM	7/20/13		
4	Revised plan of Phase 1 & Phase 2	CM	7/20/13		



Helena Ditch Diversion Structure



GENERAL NOTES

[illegible]

Appendix 1

Reference Information

The following information is available via the internet. The reference information provides additional detail and background information.

- Water Supply Reserve Account main webpage:
 - <http://cwcb.state.co.us/LoansGrants/water-supply-reserve-account-grants/Pages/main.aspx>
- Water Supply Reserve Account – Basin Fund Application Details:
 - <http://cwcb.state.co.us/LoansGrants/water-supply-reserve-account-grants/Pages/BasinWaterSupplyReserveAccountGrants.aspx>
- Water Supply Reserve Account – Statewide Fund Application Details:
 - <http://cwcb.state.co.us/LoansGrants/water-supply-reserve-account-grants/Pages/StatewideWaterSupplyReserveAccountGrants.aspx>
- Colorado Water Conservation Board main website:
 - <http://cwcb.state.co.us/>
- Interbasin Compact Committee and Basin Roundtables:
 - <http://cwcb.state.co.us/about-us/about-the-ibcc-brts/Pages/main.aspx/Templates/BasinHome.aspx>
- House Bill 05-1177 – (Also known as the Water for the 21st Century Act):
 - <http://cwcbweblink.state.co.us/DocView.aspx?id=105662&searchhandle=28318>
- House Bill 06-1400 – (Adopted the Interbasin Compact Committee Charter):
 - <http://cwcbweblink.state.co.us/DocView.aspx?id=21291&searchhandle=12911>
- Senate Bill 06-179 – (Created the Water Supply Reserve Account):
 - <http://cwcbweblink.state.co.us/DocView.aspx?id=21379&searchhandle=12911>
- Statewide Water Supply Initiative 2010:
 - <http://cwcb.state.co.us/water-management/water-supply-planning/Pages/SWSI2010.aspx>

Appendix 2

Insurance Requirements

NOTE: The following insurance requirements taken from the standard contract apply to WSRA projects that exceed \$25,000 in accordance with the policies of the State Controller's Office. Proof of insurance as stated below is necessary prior to the execution of a contract.

13. INSURANCE

Grantee and its Sub-grantees shall obtain and maintain insurance as specified in this section at all times during the term of this Grant: All policies evidencing the insurance coverage required hereunder shall be issued by insurance companies satisfactory to Grantee and the State.

A. Grantee

i. Public Entities

If Grantee is a "public entity" within the meaning of the Colorado Governmental Immunity Act, CRS §24-10-101, et seq., as amended (the "GIA"), then 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 GIA. Grantee shall show proof of such insurance satisfactory to the State, if requested by the State. Grantee shall require each Grant with Sub-grantees that are public entities, providing Goods or Services hereunder, to include the insurance requirements necessary to meet Sub-grantee's liabilities under the GIA.

ii. Non-Public Entities

If Grantee is not a "public entity" within the meaning of the GIA, Grantee shall obtain and maintain during the term of this Grant insurance coverage and policies meeting the same requirements set forth in §13(B) with respect to sub-Grantees that are not "public entities".

B. Sub-Grantees

Grantee shall require each Grant with Sub-grantees, other than those that are public entities, providing Goods or Services in connection with this Grant, to include insurance requirements substantially similar to the following:

i. Worker's Compensation

Worker's Compensation Insurance as required by State statute, and Employer's Liability Insurance covering all of Grantee and Sub-grantee employees acting within the course and scope of their employment.

ii. General Liability

Commercial General Liability Insurance written on ISO occurrence form CG 00 01 10/93 or equivalent, covering premises operations, fire damage, independent Grantees, products and completed operations, blanket Grantual liability, personal injury, and advertising liability with minimum limits as follows: **(a)** \$1,000,000 each occurrence; **(b)** \$1,000,000 general aggregate; **(c)** \$1,000,000 products and completed operations aggregate; and **(d)** \$50,000 any one fire. If any aggregate limit is reduced below \$1,000,000 because of claims made or paid, Sub-grantee shall immediately obtain additional insurance to restore the full aggregate limit and furnish to Grantee a certificate or other document satisfactory to Grantee showing compliance with this provision.

iii. Automobile Liability

Automobile Liability Insurance covering any auto (including owned, hired and non-owned autos) with a minimum limit of \$1,000,000 each accident combined single limit.

iv. Additional Insured

Grantee and the State shall be named as additional insured on the Commercial General Liability and Automobile Liability Insurance policies (leases and construction Grants require additional insured coverage for completed operations on endorsements CG 2010 11/85, CG 2037, or equivalent).

v. Primacy of Coverage

Coverage required of Grantee and Sub-grantees shall be primary over any insurance or self-insurance program carried by Grantee or the State.

vi. Cancellation

The above insurance policies shall include provisions preventing cancellation or non-renewal without at least 45 days prior notice to the Grantee and the State by certified mail.

vii. Subrogation Waiver

All insurance policies in any way related to this Grant and secured and maintained by Grantee or its Sub-grantees as required herein shall include clauses stating that each carrier shall waive all rights of recovery, under subrogation or otherwise, against Grantee or the State, its agencies, institutions, organizations, officers, agents, employees, and volunteers.

C. Certificates

Grantee and all Sub-grantees shall provide certificates showing insurance coverage required hereunder to the State within seven business days of the Effective Date of this Grant. No later than 15 days prior to the expiration date of any such coverage, Grantee and each Sub-grantee shall deliver to the State or Grantee certificates of insurance evidencing renewals thereof. In addition, upon request by the State at any other time during the term of this Grant or any sub-grant, Grantee and each Sub-grantee shall, within 10 days of such request, supply to the State evidence satisfactory to the State of compliance with the provisions of this §13.

Appendix 3

Water Supply Reserve Account Standard Contract Information

NOTE: The standard contract is required for WSRA projects that exceed \$100,000. (Projects under this amount will normally be funded through a purchase order process.) Applicants are encouraged to review the standard contract to understand the terms and conditions required by the State in the event a WSRA grant is awarded. Significant changes to the standard contract require approval of the State Controller's Office and often prolong the contracting process.

It should also be noted that grant funds to be used for the purchase of real property (e.g. water rights, land, conservation easements, etc.) will require additional review and approval. In such cases applicants should expect the grant contracting process to take approximately 3 to 6 months from the date of CWCB approval.

The standard contract is available here under the header "Additional Resources" on the right side:

<http://cwc.state.co.us/LoansGrants/water-supply-reserve-account-grants/Pages/BasinWaterSupplyReserveAccountGrants.aspx>

Appendix 4
W-9 Form

Request for Taxpayer Identification Number and Certification

Give Form to the
requester. Do not
send to the IRS.

Print or type
See Specific Instructions on page 2.

Name (as shown on your income tax return) Upper Arkansas Water Activity Enterprise of the Upper Arkansas Water Conservancy District	
Business name/disregarded entity name, if different from above	
Check appropriate box for federal tax classification: <input type="checkbox"/> Individual/sole proprietor <input type="checkbox"/> C Corporation <input type="checkbox"/> S Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Trust/estate <input type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=partnership) ▶ _____ <input checked="" type="checkbox"/> Other (see instructions) ▶ _____	
Exemptions (see instructions): Exempt payee code (if any) _____ Exemption from FATCA reporting code (if any) _____	
Address (number, street, and apt. or suite no.) 339 East Highway 50 City, state, and ZIP code Salida, Colorado 81201	Requester's name and address (optional)
List account number(s) here (optional)	

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on the "Name" line to avoid backup withholding. For individuals, this is your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

Note. If the account is in more than one name, see the chart on page 4 for guidelines on whose number to enter.

Social security number									
			-						
Employer identification number									
8	4	-	0	8	1	7	0	6	7

Part II Certification

Under penalties of perjury, I certify that:

- 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
- 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
- I am a U.S. citizen or other U.S. person (defined below), and
- 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 on page 3.

Sign Here	Signature of U.S. person ▶ 	Date ▶ <u>10-9-2013</u>
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General Instructions

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

Future developments. The IRS has created a page on www.irs.gov/w9 for information about Form W-9, at www.irs.gov/w9. Information about any future developments affecting Form W-9 (such as legislation enacted after we release it) will be posted on that page.

Purpose of Form

A person who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) to report, for example, income paid to you, payments made to you in settlement of payment card and third party network transactions, real estate transactions, mortgage interest you paid, acquisition or abandonment of secured property, cancellation of debt, or contributions you made to an IRA.

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN to the person requesting it (the requester) and, when applicable, to:

- Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
- Certify that you are not subject to backup withholding, or
- Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the

withholding tax on foreign partners' share of effectively connected income, and

4. Certify that FATCA code(s) entered on this form (if any) indicating that you are exempt from the FATCA reporting, is correct.

Note. If you are a U.S. person and a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

Definition of a U.S. person. For federal tax purposes, you are considered a U.S. person if you are:

- An individual who is a U.S. citizen or U.S. resident alien,
- A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States,
- An estate (other than a foreign estate), or
- A domestic trust (as defined in Regulations section 301.7701-7).

Special rules for partnerships. Partnerships that conduct a trade or business in the United States are generally required to pay a withholding tax under section 1446 on any foreign partners' share of effectively connected taxable income from such business. Further, in certain cases where a Form W-9 has not been received, the rules under section 1446 require a partnership to presume that a partner is a foreign person, and pay the section 1446 withholding tax. Therefore, if you are a U.S. person that is a partner in a partnership conducting a trade or business in the United States, provide Form W-9 to the partnership to establish your U.S. status and avoid section 1446 withholding on your share of partnership income.