



COLORADO WATER CONSERVATION BOARD



WATER SUPPLY RESERVE ACCOUNT APPLICATION FORM

Robinson Ditch Piping Improvements

Name of Water Activity/Project

Robinson Ditch Company

Name of Applicant

Colorado River Basin

Amount from Statewide Account:

\$0

Amount from Basin Account(s):

\$120,000

Total WSRA Funds Requested:

\$120,000

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 (CWCBC). 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 CWCBC 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 CWCBC 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):	Robinson Ditch Company		
	Mailing address:	100 Haybarn Lane El Jebel, CO 81623		
	Taxpayer ID#:	1987-129-1936 (To Be Verified)		
	Primary Contact:	Joe Meade	Position/Title:	President
	Email:	Not Applicable		
	Phone Numbers:	Cell: 970-948-2309	Office:	970-963-1300
	Alternate Contact:	Tina Crawford	Position/Title:	
	Email:	Tina.crawford75@yahoo.com		
	Phone Numbers:	Cell: 970-379-7147	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 Robinson Ditch Company provides irrigation water to 15 shareholders who include many agricultural ranches and two tree nurseries. The point of diversion for the Robinson Ditch is located on the north bank of the Roaring Fork River approximately one-half mile below the mouth of Sopris Creek in Section 11, Township 8 South, Range 87 West of the 6th Principal Meridian (PM).

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

Piping improvements will be conducted by a Contractor yet to be determined.

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.

N/A

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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.

Piping of the ditch will significantly increase the safety for homeowners and business below the ditch. Piped sections also convey water more efficiently and conserve water by stopping leakage and evaporation (ditch loss).

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)

1,000 Efficiency Savings (**acre-feet/year** OR dollars/year – **circle one**)

4 Area of Restored or Preserved Habitat (acres)

Other -- Explain:

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

Latitude:

39° 22' 23.1" N

Longitude:

107° 4' 38.0" W

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.

Funding will be used to pipe approximately 1,000 lineal feet of the Robinson Ditch over a four year period. The Robinson Ditch Company has been actively piping the ditch for the last several years at a cost of approximately \$260 per lineal foot. The Applicant desires to finish the piping project as soon as practical as funds allow. Squash Corrugated Metal Pipe (CMP) is utilized with a 60" x 84" cross section. The CMP is installed at 20 foot lengths. Manholes (cleanouts) are provided every 300 to 400 feet.

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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

The proposed project does not supersede, abrogate or impair the current system of allocating water or affect existing water rights.

- 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.

The Applicant hopes to complete this evaluation and approval at the next regularly scheduled Colorado River Basin Roundtable meeting.

- c) The water activity meets the provisions of Section 37-75-104(2), Colorado Revised Statutes.² The Basin

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.

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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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.

The Applicant intends to solicit the approval letter when they present the project at the next Colorado River Basin Roundtable meeting.

- 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 request from the Basin Roundtable totals \$120,000 over 4 years or \$30,000 per year. Funds will be matched by the Robinson Ditch Company shareholders. Over the next 4 year period, shareholders would be assessed approximately \$35,000 per year. This represents a 117% match for Basin Funds. No request is being made from the Statewide Fund.

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).

N/A – Proposed project does not request funds from the Statewide Account.

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- 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.

N/A – Proposed project does not request funds from the Statewide Account

- 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.

N/A – Proposed project does not request funds from the Statewide Account

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).

N/A – Proposed project does not request funds from the Statewide Account

- 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.

N/A – Proposed project does not request funds from the Statewide Account

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.

N/A – Proposed project does not request funds from the Statewide Account

- 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.

N/A – Proposed project does not request funds from the Statewide Account

- h. The water activity assists in the recovery of threatened and endangered wildlife species or Colorado State species of concern.

N/A – Proposed project does not request funds from the Statewide Account

- i. The water activity provides a high level of benefit to Colorado in relationship to the amount of funds requested.

N/A – Proposed project does not request funds from the Statewide Account

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- j. The water activity is complimentary to or assists in the implementation of other CWCB programs.

N/A – Proposed project does not request funds from the Statewide Account

Continued: Explanation of how the water activity/project meets all applicable **Evaluation Criteria**.

Please attach additional pages as necessary.

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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 Robinson Ditch is decreed for 40.26 cubic feet per second (cfs) and diverts off the north bank of the Roaring Fork River approximately one-half mile below the mouth of Sopris Creek in Section 11, Township 8 South, Range 87 West of the 6th Principal Meridian (PM). The original adjudication date for the ditch is May 11, 1889 for priorities 38, 140, and 167. Subsequent priorities, numbers 212c and 326, have adjudications dates December 29, 1903 and August 25, 1936 respectively. See Table 1 below for additional information.

**TABLE 1
ROBINSON DITCH WATER RIGHTS**

STRUCTURE	AMOUNT	ADJ. DATE	APP. DATE	PRIORITY	CASE NO.
Robinson Ditch	5.00	05/11/1889	06/15/1882	38	CA 132
Robinson Ditch	2.50	05/11/1889	04/15/1886	140	CA 132
Robinson Ditch	2.00	05/11/1889	11/15/1886	167	CA 132
Robinson Ditch	10.70	12/29/1903	04/25/1889	212C	CA 1061
Robinson Ditch	20.06	08/25/1936	04/25/1900	326	CA 3082

The Roaring Fork River is tributary to the Colorado River.

There are no water right issues.

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

To the Applicant's knowledge there have not been any related studies or permitting issues.

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.

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: *Joe Meade*

Print Applicant's Name: Joe Meade

Project Title: Robinson Ditch Piping Improvements

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

ROBINSON DITCH PIPING IMPROVEMENTS

EXHIBIT A **STATEMENT OF WORK**

WATER ACTIVITY NAME – Robinson Ditch Piping Improvements

GRANT RECIPEINT – Robinson Ditch Company

FUNDING SOURCE – Colorado River Basin Roundtable Account

INTRODUCTION AND BACKGROUND INCLUDING STATEMENT OF WORK

The Robinson Ditch Company provides irrigation water to its shareholders who include many agricultural ranches and two tree nurseries. The Robinson Ditch is decreed for 40.26 cubic feet per second (cfs) and diverts off the north bank of the Roaring Fork River approximately one-half mile below the mouth of Sopris Creek in Section 11, Township 8 South, Range 87 West of the 6th Principal Meridian (PM). The Roaring Fork River is tributary to the Colorado River. The original adjudication date for the ditch is May 11, 1889 for priorities 38, 140, and 167. Subsequent priorities, numbers 212c and 326, have adjudications dates December 29, 1903 and August 25, 1936 respectively. See **Table 1** below for additional information.

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Robinson Ditch	10.70	12/29/1903	04/25/1889	212C	CA 1061
Robinson Ditch	20.06	08/25/1936	04/25/1900	326	CA 3082

Since the mid-1950's, homeowners and business have encroached above and below the ditch. Cottonwood trees and willows that have grown into the side banks of the ditch are near then end of their life span. As the trees die, the roots of the tree that have penetrated the ditch banks decay and potentially provide a conduit for leaks. In turn, the leaks have a strong potential to increase the breach risk which in turn creates an unsafe condition for those homes and business now located below the ditch.

Encroachment of the homes and business are evident on **Figures 1 and 2**, attached. **Figure 1** provides a location map of the proposed work on 2009 aerial photography. The down gradient side of the ditch is to the west. **Figure 2** shows the same project layout on historical aerial photography from 1974. The 1974 photography shows little development whereas the 2009 photography shows the impact of development. Several photographs of the existing ditch conditions are provided on both figures. Over the last several decades, Eagle County allowed development to occur without requiring that proper safety measures be implemented to protect the homes and business from flooding. To address this issue, the Robinson Ditch Company has been piping high risk and unsafe portions of the Ditch over the last several years. Piping of the ditch significantly increases safety for the homeowners and business below the ditch. Piping of the ditch also has the additional benefits of convey water more efficiently and conserving water by stopping leakage and evaporation (ditch loss).

Funding will be used to pipe approximately 1,000 lineal feet of the Robinson Ditch over a four year period. The Applicant desires to finish the piping project as soon as practical and as funds allow. Squash Corrugated Metal Pipe (CMP) is utilized with a 60" x 84" cross section. The CMP is installed in 20 foot lengths. Manholes (cleanouts) are provided every 300 to 400 feet. Work will occur in the spring before the ditch is turned off or in the fall after the ditch is turned off.

OBJECTIVES

- Increase safety for the homes and business located below the ditch;
- Increase the efficiency of the ditch; and
- Water conservation due to increased ditch efficiency.

BUDGET AND SCHEDULE

The total budget for the project is \$260,000 based on 1,000 lineal feet at \$260 per lineal foot. The cost per foot estimate is based on costs experienced by the Applicant in 2012. The request from the Basin Roundtable totals \$120,000 over 4 years or \$30,000 per year. Funds will be matched by the Robinson Ditch Company shareholders. Over the next 4 year period, shareholders would be assessed approximately \$35,000 per year. This represents a 117% match for Basin Funds. No request is being made from the Statewide Fund. The budget does not include engineering and consultation fees which would be paid for separately by the shareholders.

A breakdown of the total budget and schedule is as follows:

Year 1 - \$30,000 grant; \$35,000 match – approximately 250 lineal feet of pipe installed.
Year 2 - \$30,000 grant; \$35,000 match – approximately 250 lineal feet of pipe installed.
Year 3 - \$30,000 grant; \$35,000 match – approximately 250 lineal feet of pipe installed.
Year 4 - \$30,000 grant; \$35,000 match – approximately 250 lineal feet of pipe installed.

The project is anticipated to be completed at the end of the 4th year. As stated previously, work will occur in the spring before the ditch is turned off or in the fall after the ditch is turned off.



Figure 1: Proposed Work Location Map
 2009 NAIP Aerial Photography

File: 033-8.13
 Date: 04/13/12

Robinson Ditch Piping Project



Scale: 1"=200'

RESOURCE
 ENGINEERING, INC.

909 Colorado Avenue
 Glenwood Springs, CO 81601
 (970) 945-6777 Voice 945-1137 Facsimile

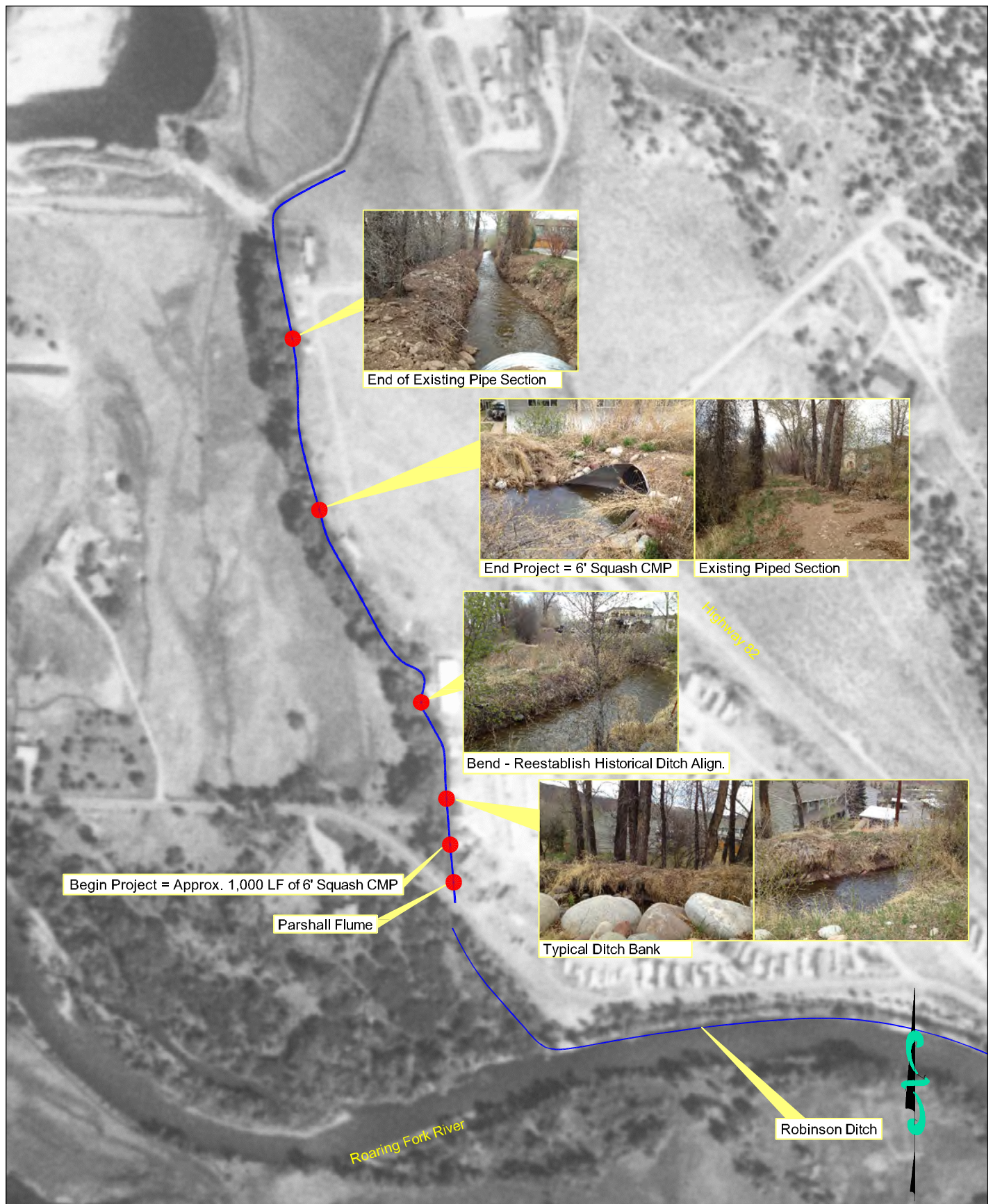


Figure 2: Proposed Work Location Map
1974 USGS Aerial Photography

File: 033-8.13
 Date: 04/13/12

Robinson Ditch Piping Project



Scale: 1"=200'

RESOURCE
ENGINEERING, INC.

909 Colorado Avenue
 Glenwood Springs, CO 81601
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