COLORADO
Colorado Water Conservation Board
Department of Natural Resources

Last Updated: June 2020

Colorado Water Conservation Board

Water Plan Grant Application

Instructions

To receive funding for a Water Plan Grant, applicant must demonstrate how the project, activity, or process (collectively referred to as "project") funded by the CWCB will help meet the measurable objectives and critical actions in the Water Plan. Grant guidelines are available on the CWCB website.

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

Water Storage Projects	Matthew.Stearns@state.co.us
Conservation, Land Use Planning	Kevin.Reidy@state.co.us
Engagement & Innovation Activities	Ben.Wade@state.co.us
Agricultural Projects	Alexander.Funk@state.co.us
Environmental & Recreation Projects	Chris.Sturm@state.co.us

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

Water Project Summary

Name of Applicant	Town of Silverton
Name of Water Project	Kendall Mountain Alluvial Aquifer Test Drilling Program

CWP Grant Request Amount	$27,702
Other Funding Sources WSRA SWBRT	$2,100
Other Funding Sources SWCD	$11,752
Other Funding Sources	$
Applicant Funding Contribution	$13,851
Total Project Cost	$55,405

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Applicant & Grantee Information
Name of Grantee(s) Town of Silverton
Mailing Address1360 Greene Street PO box 250 Silverton CO 81433
FEIN 84-6000-78
Organization Contact John Sties
Position/Title Public Works Director
Email jsites@Silverton.co.us
Phone 970-387-552
Grant Management Contact Louis Meyer PE, , Town of Silverton Engineer
Position/Title Principal Engineer; Town Engineer for Silverton
Email Louism@sgm-inc.com
Phone 970-370-1724
Name of Applicant (if different than grantee) Same
Mailing Address same
Position/Title same
Emai lsame
Phone 970-379-1724

Description of Grantee/Applicant
Provide a brief description of the grantee's organization (100 words or less).
The Town of Silverton is a statutory town that is the County seat of and the only incorporated municipality in San Juan County, Colorado. Silverton is a former silver mining camp, most or all of which is now included in a federally designated National Historic Landmark Distric, the Silverton Historic District. The Town population is 531 based up the latest census. Silverton provides potable water and wastewater services to residential and commercial customers within the Town limits. Silverton is a hub of recreational activities in the San Juan Mountains and is a portal for skiing, fishing, hiking, and camping and commercial services in the San Juan National Forest. Silverton is the destination of the Durango-Silverton Narrow Gage Railroad and is the end finish for the annual Ironhorse Bike Classic bike race.

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Type of Eligible Entity (check one)	
X X	**Public (Government):** Municipalities, enterprises, counties, and State of Colorado agencies. Federal agencies are encouraged to work with local entities. Federal agencies are eligible, but only if they can make a compelling case for why a local partner cannot be the grant recipient.
	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: Private parties may be eligible for funding.
	Non-governmental organizations (NGO): Organization that is not part of the government and is non-profit in nature.
	Covered Entity: As defined in Section 37-60-126 Colorado Revised Statutes.

Type of Water Project (check all that apply)	
X	Study
X	Construction
	Identified Projects and Processes (IPP)
	Other

Category of Water Project (check the primary category that applies and include relevant tasks)		
X	Water Storage - Projects that facilitate the development of additional storage, artificial aquifer recharge, and dredging existing reservoirs to restore the reservoirs' full decreed capacity and Multi-beneficial projects and those projects identified in basin implementation plans to address the water supply and demand gap.. *Applicable Exhibit A Task(s):*	
	Conservation and Land Use Planning - Activities and projects that implement long-term strategies for conservation, land use, and drought planning. *Applicable Exhibit A Task(s):*	
	Engagement & Innovation - Activities and projects that support water education, outreach, and innovation efforts. Please fill out the Supplemental Application on the website. *Applicable Exhibit A Task(s):*	
	Agricultural - Projects that provide technical assistance and improve agricultural efficiency. *Applicable Exhibit A Task(s):*	
	Environmental & Recreation - Projects that promote watershed health, environmental health, and recreation. *Applicable Exhibit A Task(s):*	
	Other	Explain:

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Location of Water Project	
Please provide the general county and coordinates of the proposed project below in **decimal degrees**. The Applicant shall also provide, in Exhibit C, a site map if applicable.	
County/Counties	San Juan County
Latitude	37.8119 N
Longitude	-107.6645 W

Water Project Overview
Please provide a summary of the proposed water project (200 words or less). Include a description of the project and what the CWP Grant funding will be used for specifically (e.g., studies, permitting process, construction). Provide a description of the water supply source to be utilized or the water body affected by the project, where applicable. Include details such as acres under irrigation, types of crops irrigated, number of residential and commercial taps, length of ditch improvements, length of pipe installed, and area of habitat improvements, where applicable. If this project addresses multiple purposes or spans multiple basins, please explain. The Applicant shall also provide, in Exhibit A, a detailed Statement of Work, Budget, Other Funding Sources/Amounts and Schedule.
This project is a test well drilling program to characterize the water quantity and quality of the Kendall Mountain Alluvial Aquifer. This test drilling program is part of larger project to develop an alternative and redundant water supply. Silverton's current drinking water supply comes from two high elevation surface water supplies, from Boulder and Bear Creek. Both of this supplies are vulnerable to droughts, earlier runoff periods, fires, rockfall and avalanche hazards. Both intakes and diversions require significant upgrades from the mining era construction, however can not be taken off line because demand will exceed the supply from either of the remaining supplies. Silverton conducted an engineering water resources study entitled Water Security Master plan to identify new and redundant physical and legal water supplies. The report can be found here: Town of Silverton Water Security Report The report identified the exploration of the Kendall Mountain Alluvial Aquifer as the most feasible alternative for a new supply. This test drilling program is the first step in a larger project to develop a municipal quality well field with the development of incremental phased wells that will pump into the distribution system. A well house, chlorine contact basin and high service pumps will be required to pump into the distribution system for this alternative redundant supply. A map of the location of the test wells is shown in Exhibit D. The project costs include the drilling of two 6" wells approximately 200 ft deep each. After the wells are drilled test pumping, drawdown and recovery tests will quantify the aquifer characteristics and production well capacity. Water quality tests will be taken to determine compliance with GWUDI and Safe Drinking Water requirements. A more detailed scope of the project can be found in Exhibit A.

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Measurable Results	
To catalog measurable results achieved with the CWP Grant funds, please provide any of the following values as applicable:	
Underground storage in lieu of surface storage	New Storage Created (acre-feet)
242 AC-FT	New Annual Water Supplies Developed or Conserved (acre-feet), Consumptive or Nonconsumptive
Town has no upstream storage	Existing Storage Preserved or Enhanced (acre-feet)
New supply will allow existing on channel intakes to be improved.	Length of Stream Restored or Protected (linear feet)
N/A	Efficiency Savings (indicate acre-feet/year OR dollars/year)
N/A	Area of Restored or Preserved Habitat (acres)
N/A	Quantity of Water Shared through Alternative Transfer Mechanisms
N/A	Number of Coloradans Impacted by Incorporating Water-Saving Actions into Land Use Planning
N/A	Number of Coloradans Impacted by Engagement Activity

	Other	Explain: The step in a larger project will result in less water being diverted from Boulder and Bear Creek. An alluvial aquifer is a form of storage that will eliminate the need to develop additional surface storage.

Water Project Justification

Provide a description of how this water project supports the goals of Colorado's Water Plan, the most recent Statewide Water Supply Initiative, and the applicable Roundtable Basin Implementation Plan and Education Action Plan. The Applicant is required to reference specific needs, goals, themes, or Identified Projects and Processes (IPPs), including citations (e.g. document, chapters, sections, or page numbers).

The proposed water project shall be evaluated based upon how well the proposal conforms to Colorado's Water Plan Framework for State of Colorado Support for a Water Project (CWP, Section 9.4, pp. 9-43 to 9-44;)

Specific CWP and SWBRT Goals met are as follows:

- Provide crucial waters supply for a municipal water provider
- As a new water supply will lead to reducing the GAP
- Meets an Identified need
- Can be built within the next 15 years
- By reducing reliance on surface supplies, more than one need can be addressed
- Protects existing water rights
- Avoids adverse impacts and improves environmental and recreational interests by eliminating reliance on surface supplies
- Maximize the use of water resources by using an existing water right as an alternative point of diversion.
- Firming the yield of existing supplies
- The project is over-all cost effective
- The project demonstrates local investment and contribution
- The project confirms technical and legal availability of water supplies
- The project is ready to proceed

Related Studies

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

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The Town of Silverton Water Security Report prepared in 2019/2020 quantified existing water supplies, and researched viable future physical and legal water supplies for a long term outlook for Silverton. That report can be found here:

Town of Silverton Water Security Report

Previous CWCB Grants, Loans or Other Funding

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

The Silverton Water Security Master Plan was funded in part through a WSRF grant totaling $49,195.25. See attached letter in Exhibit F which summarizes all of the above requested information.

Taxpayer Bill of Rights

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

Silverton's Water Fund is an enterprise fund and exempt from Tabor limitations.

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Submittal Checklist	
	I acknowledge the Grantee will be able to contract with CWCB using the Standard Contract.
Exhibit A	
	Statement of Work(1)
	Budget & Schedule(1)
	Engineer's statement of probable cost (projects over $100,000)
	Letters of Matching and/or Pending 3rd Party Commitments(1)
Exhibit C	
	Map (if applicable)(1)
	Photos/Drawings/Reports
	Letters of Support (Optional)
	Certificate of Insurance (General, Auto, & Workers' Comp.) (2)
	Certificate of Good Standing with Colorado Secretary of State(2)
	W-9(2)
	Independent Contractor Form(2) (If applicant is individual, not company/organization)
Engagement & Innovation Grant Applicants ONLY	
	Engagement & Innovation Supplemental Application(1)

(1) Required with application.
(2) Required for contracting. While optional at the time of this application, submission can expedite contracting upon CWCB Board approval.

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ENGAGEMENT & INNOVATION GRANT FUND SUPPLEMENTAL APPLICATION

Introduction & Purpose

Colorado's Water Plan calls for an outreach, education, public engagement, and innovation grant fund in Chapter 9.5.

The overall goal of the Engagement & Innovation Grant Fund is to enhance Colorado's water communication, outreach, education, and public engagement efforts; advance Colorado's water supply planning process; and support a statewide water innovation ecosystem.

The grant fund aims to engage the public to promote well-informed community discourse regarding balanced water solutions statewide. The grant fund aims to support water innovation in Colorado. The grant fund prioritizes measuring and evaluating the success of programs, projects, and initiatives. The grant fund prioritizes efforts designed using research, data, and best practices. The grant fund prioritizes a commitment to collaboration and community engagement. The grant fund will support local and statewide efforts.

The grant fund is divided into two tracks: engagement and innovation. The Engagement Track supports education, outreach, communication, and public participation efforts related to water. The Innovation Track supports efforts that advance the water innovation ecosystem in Colorado.

Application Questions

*The grant fund request is referred to as "project" in this application.

Overview (answer for both tracks)
In a few sentences, what is the overall goal of this project? How does it achieve the stated purpose of this grant fund (above)?
Who is/are the target audience(s)? How will you reach them? How will you involve the community?
Describe how the project is collaborative or engages a diverse group of stakeholders. Who are the partners in the project? Do you have other funding partners or sources?

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Overview (answer for both tracks)
Describe how you plan to measure and evaluate the success and impact of the project?
What research, evidence, and data support your project?
Describe potential short- and long-term challenges with this project.

Please fill out the applicable questions for either the Engagement Track or Innovation Track, unless your project contains elements in both tracks. If a question does not relate to your project, just leave it blank. Please answer each question that relates to your project. Please reference the relevant documents and use chapters and page numbers (Colorado's Water Plan, Basin Implementation Plan, PEPO Education Action Plan, etc.).

Engagement Track
Describe how the project achieves the education, outreach, and public engagement measurable objective set forth in Colorado's Water Plan to "significantly improve the level of public awareness and engagement regarding water issues statewide by 2020, as determined by water awareness surveys."
Describe how the project achieves the other measurable objectives and critical goals and actions laid out in Colorado's Water Plan around the supply and demand gap; conservation; land use; agriculture; storage; watershed health, environment, and recreation; funding; and additional.
Describe how the project achieves the education, outreach, and public engagement goals set forth in the applicable Basin Implementation Plan(s).

Describe how the project achieves the basin roundtable's PEPO Education Action Plans.

Innovation Track
Describe how the project enhances water innovation efforts and supports a water innovation ecosystem in Colorado.
Describe how the project engages/leverages Colorado's innovation community to help solve our state's water challenges.
Describe how the project helps advance or develop a solution to a water need identified through TAP-IN and other water innovation challenges. What is the problem/need/challenge?
Describe how this project impacts current or emerging trends; technologies; clusters, sectors, or groups in water innovation.

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Colorado Water Conservation Board
Water Plan Grant - Exhibit A

Statement Of Work	
Date:	**November 24, 2020**
Name of Grantee:	**Town of Silverton**
Name of Water Project:	**Kendall Mountain Alluvial Well Field Test Drilling Program**
Funding Source:	**Colorado Water Plan Grant; WSRF; Town Match; CWCD Application**

Water Project Overview:

The Town of Silverton studied multiple water supply alternatives for a more reliable physical and legal future water supply. The study is contained in the report entitled Town of Silverton Water Security Report prepared by SGM in April 2020. Funding for this study was in part through a WSRA application and through the Southwest Conservation District Grant Program. A link to the report can be found here: Town of Silverton Water Security Report

The alternatives studied included new supply sources, raw water reservoirs, wells, improvements to existing supply infrastructure and legal water right strategies including augmentation storage. The need for a more reliable physical supply was prompted in part by multiple natural hazards the Town has recently experienced including droughts, fires, avalanches, changing monthly water cycles caused by climate variability and winter freezing challenges at intakes.

The Town's current supplies come from Bear and Boulder Creeks. The Boulder Creek supply infrastructure also includes the Galvin Creek supply. These supplies are high elevation "run of the river" supplies that are vulnerable to many natural hazards. The Town has no raw water storage for either supply. Both supplies are at risk from extended droughts, fires, mud and debris flows, snow avalanches, rock fall, changing climate, and wintertime freezing. The drought of 2018 resulted in much lower flows in both watersheds that redefined dry year statistics. A warming climate has changed the hydrological cycle and monthly hydrographs with earlier spring runoff and peaks, and lower flows late in the season.

The drought of 2018 and 2020 in part resulted in extreme wildfire events including the adjacent 416 Fire in the San Juan National Forest, and the Ice Lakes Fire in 2020. The aftermath of these fires can cause erosion, ash debris in water supply, mud and debris flows that can cause intakes to be choked with debris and vegetation, and significant water quality changes. Water quality changes include water chemistry, turbidity, pH, alkalinity, and organics. The water treatment processes are designed to remove particles with consistent anionic charge. Fire damage will change these charges and disrupt processes.

The above average heavy snow fall during the 2018-2019 winter caused avalanches in the Boulder Creek watershed. One avalanche completely covered and damaged the Boulder Creek Intake. The intake was buried in snow for months leaving the Town without access to the intake. Avalanche danger at both the Boulder and Bear Creek intakes prevents Town operators' access to the intakes during the avalanche season.

The Gold King mine spill which occurred in 2015 raised awareness of the vulnerability of high mountain tributaries in the Silverton watersheds to the legacy of mining activity and associated acid rock and mine drainage.

Finally, both supplies are vulnerable to legal calls during a drought conditions from controlling senior water right holders on the lower Animas River.

New supply options were studied. Most new supply sources are impacted by historic mining water quality impacts from heavy metals and would require a new water treatment plant or replacement of the existing water

Project Objectives:

treatment plant which would cost millions of dollars in capital costs coupled with higher annual operation and maintenance costs.

The Water Security Plan recommendations for new water supply included the exploration of an alluvial well supply as noted in the plan as follows.

"Silverton should undertake the planning and permitting to install a test well at the base of Kendall Mountain to determine water aquifer yield, water quality, and the geology to support a municipal quality well field. Of all the water supply options, we recommend this is the first priority as a new and redundant source of supply. If the well is not under the influence of surface water (GWUDI) and does not contain high metal concentrations, expensive surface water treatment processes will not be required. Well water can be disinfected at the site and pumped directly into the distribution system."

This project would consist of drilling exploratory test wells for a new groundwater supply to supplement the current potable water supply of the Town. Two wells should be drilled near the Kendell Mountain Parcel which Silverton owns. The goal of the exploratory drilling would be to locate a well(s) that has sufficient yield of approximately 150 to 300 GPM. Water quality samples will be taken to determine water quality parameters and compliance with CDPHE GWUDI criteria. Wells drilled in the Kendell Mountain Alluvial Fan deposit and associated aquifer appears to be fed from a different tributary basin than existing wells. A supply with acceptable water quality would only require disinfection treatment with minimal capital cost. The exploratory well should be located a minimum distance of 200 feet from the Animas River and have screened intervals at depths greater than 50 feet below the ground surface to avoid classification buy CDPHE as GWUDI.

The construction details consist of drilling two 5 inch PVC test wells, casing between 100 to 200 ft. deep. The wells would be pumped tested for a minimum of 24 hours and tested for inorganics, and general chemistry applicable to the "Colorado Minimum Drinking Water Standards".

Tasks

Task 1 – [Name] Bid Solicitation

Description of Task:

Town of Silverton will solicit bids from wells drillers to drill two test wells in the Kendall Mountain Alluvial Aquifer.

Method/Procedure:

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Tasks
Contact qualified drillers. Solicit bids for the drilling of two test wells. Once a low qualified bidder is determined, Silverton will send a notice of Award to Low Bidder. Bidder will provide certificates of insurance to Town. Agreements will be signed, and Town will then issue notice to proceed to well driller
Deliverable:
Town will have Bid Tabulations of bids received. Town will have contract documents including Notice of Award, Certificate of Insurance, executed Agreements, and Notice of Award.

Tasks
Task 2 – [Name] Obtain Observation and Monitoring Well Permit from DNR (SEO).
Description of Task: Town will task Town Engineer, SGM, with obtaining an Observation and Monitoring Well Permit from State Engineers office.

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Tasks
Method/Procedure: Obtain SEO permit
Submit Well Observation and Monitoring Permit Application form to SEO
Deliverable:
Well Permit Application and SEO approval permit
Tasks
Task 3 – [Name] Proceed with Well Drilling on site.
Description of Task: Well Drilling Contractor will proceed with drilling two wells, 6" diameter approximately 200' deep. SGM will take samples to characterize geology for underlying aquifer transmissivity and storage coefficients.

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Tasks
Method/Procedure: drill wells
Contractor will proceed with drilling wells. Engineer will take soil samples for classification and gradation.
Deliverable:
Two Wells 6” in diameter drilled to appropriate depth. Engineer will provide a log of soil geology.

Tasks
Task 4 – [Name] Pump Testing
Description of Task: Well Drilling will perform long term pump testing by inserting appropriately sized pump and performing step test well testing, followed by drawdown testing on both the well being tested and the 2nd well that will be used as an observation well. Engineer will measure drawdown as function of time and drawdown depth. Data will be plotted on semi-logarithmic paper to determine aquifer characteristics. Recovery data will be collected to determine the time of recovery for both wells.

Tasks
Method/Procedure: Well Drilling protocol testing for aquifer characterization
See Above. A well sounder to measure water depth, meter for flow testing, and time will be used to plot wells drawdown versus time and flow rate. Data will be plotted on graph paper to determine aquifer characteristics.
Deliverable:
Report summarizing data and well field characteristics will be prepared. Report will recommend production well sizing and capacity.

Tasks
Task 5 – [Name] Water Quality Laboratory Testing
Water Quality samples will be taken after the pump testing. Samples will be taken to a State approved laboratory to measure for all parameters required for Colorado Primary Drinking Water Regulations. Testing will also be taken during the pump testing on water quality from the well compared to water quality in the Animas River to determine GWUDI parameters. This will assist in locating production wells so that they are not influenced by Groundwater.

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Tasks
Method/Procedure: Water Quality Testing
Send water samples into State Approved water quality laboratory. GWUDI testing will conducted at the well site and adjacent Animas River.
Deliverable: Laboratory Water Quality Testing
Lab test results will be provided.

Repeat for Task 3, Task 4, Task 5, etc.

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

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Reporting Requirements

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

Final Report: At completion of the project, the applicant shall provide the CWCB a Final Report on the applicant's letterhead that:

- Summarizes the project and how the project was completed.
- Describes any obstacles encountered, and how these obstacles were overcome.
- Confirms that all matching commitments have been fulfilled.
- Includes photographs, summaries of meetings and engineering reports/designs.

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

Payment

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

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

Performance Measures

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

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Performance Measures
(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

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Water Supply Reserve Fund

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

Date: November 11, 2020

Water Activity Name: Town of Silverton Test Drilling program

Grantee Name: Town of Silverton

Task No.[1]	Description	Start Date[2]	End Date	Matching Funds (cash & in-kind)[3]	ColoradoWater Plan Funds	Total
1	mobilization demobilization	June 2021	July 2021	$750.00	$750.00	$1,500
2	Exploratory Well Drilling	June 2021	July 2021	$14,500.00	$14,500.00	$29,000
3	Water Quality Lab Tests	July 2021	August 2021	$2,800.00	$2,800.00	$5,600
4	Pumping Tests	July 2021	August 2021	$5,000.00	$5,000.00	$10,000
5	Design Engineering/prepare report	June 2021	August 2021	$3,500.00	$3,500.00	$7,000
6	Construction Contingency	July 2021	August 2021	$1,152.50	$1,152.50	$2,305
						$0
						$0
						$0
						$0
						$0
						$0
			Total	$27,702.50	$27,702.50	$55,405

(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 futher 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.

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

Table 3-3 Town of Silverton Water Rights

Water Right	Case Number	Appropriation Date	Adjudication Date	Admin No.	Uses	Amount (cfs)		Structure	Comments
						Abs.	Cond.		
Silverton Water Works System No. 1	CA1751-B	12/31/1883	3/21/1966	26974.12418	1,2,7,8	4.65	-	Pipeline	Boulder Creek Diversion
Silverton Water Works System No. 1	CA1751-B	3/31/1899	3/21/1966	26974.17987	1,2,7,8	4.65	-	Pipeline	Galvin Creek Diversion, includes 17.23 AF Reservoir
Silverton Pipe Line No. 2	CA1751-B	9/26/1904	3/21/1966	26974.19992	2,7,8	7.0	-	Pipeline	Bear Creek Diversion
Silverton Pipe Line No. 2	W1289	8/24/1937	3/21/1966	32012.00000	2,8	1.6	-	Pipeline	Alternate Point to Silverton Pipe Line No. 3
Silverton Pipe Line No. 3	W1289	8/24/1937	3/21/1966	32012.00000	2,7,8	1.6	-	Pipeline	South Mineral Creek Diversion
Silverton Pipeline No. 2	89CW0063	8/7/1947	12/31/1972	44559.35647	2	0.33	-	Pipeline	Alternate Point of Diversion to Silverton Well No. 2
Silverton Well No. 2	W0959	8/7/1947	12/31/1972	44559.35647	2	0.33	-	Well	
Silverton Pipe Line No. 2	89CW0063	8/7/1964	12/31/1972	44559.41857	2	0.33	-	Pipeline	Alternate Point of Diversion to Silverton Well No. 1
Silverton Well No. 1	W0959	8/7/1964	12/31/1972	44559.41857	2	0.33	-	Well	
Big Molas Lake	04CW0050	5/31/1929	12/31/2004	56247.29005	5,6	113 AF	-	Reservoir	
		7/15/2004	12/31/2004	56247.29005	1,2,3,A, Q		113 AF	Reservoir	
Molas Ditch	04CW0050	5/31/1929	12/31/2004	56247.29005	5,6	2.2	-	Ditch	
		7/15/2004	12/31/2004	56247.29005	1,2,3,A, Q		2.2	Ditch	
Silverton Expansion Diversion	05CW0087	12/31/2000	12/31/2005	56613.55152	2	-	5.2	Pump	805 AF volumetirc limit
Silverton /SJC Diversion	05CW0088	12/31/2000	12/31/2005	56613.55152	3,4,6,7,8,9	-	0.9	Other	Non-mining related uses
					3,4		0.5	Other	Mining related uses
						Total	**23.02**	**8.8**	

Footnotes:

Use Codes: 0 = Storage, 1 = Irrigation, 2 = Municipal, 3 = Commercial, 4 = Industrial, 5 = Recreation, 6 = Fishery, 7 = Fire, 8 = Domestic, 9 = Stock, A = Augmentation, E = Evaporation, O = Other

Abs = Absolute, Cond = Conditional, cfs = Cubic Feet per Second, AF = Acre Feet

EXHIBIT D

107°39'30"W

15th ST

CEMENT ST

14th ST

13th ST

CR 33

Well 1

Well 2

Map Legend

- Potential Exploratory Wells
- Kendall Mountain Parcel
- County Roads
- Private Roads
- City Roads
- Silverton Town Limits
- Section
- Township/Range

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Durango, CO 81301
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Figure 1
Kendall Mountain Area
Town of Silverton

Date: 4/2/2020	Job No. 2015-513.007	Map by: ANW	Checked by: DSS	Scale: 1:1,800

Data Sources: San Juan County GIS, BLM, DigitalGlobe, DWR

File: P:\Project Files\2015-513-TownofSilverton\007-WaterSecurity\H-Dwgs\GIS\MXDs\KendallMountain11x17.mxd

The information displayed above is intended for general planning purposes. Refer to legal documentation/data sources for descriptions/locations.

0 150 300 450 Feet

1 inch = 150 feet

N

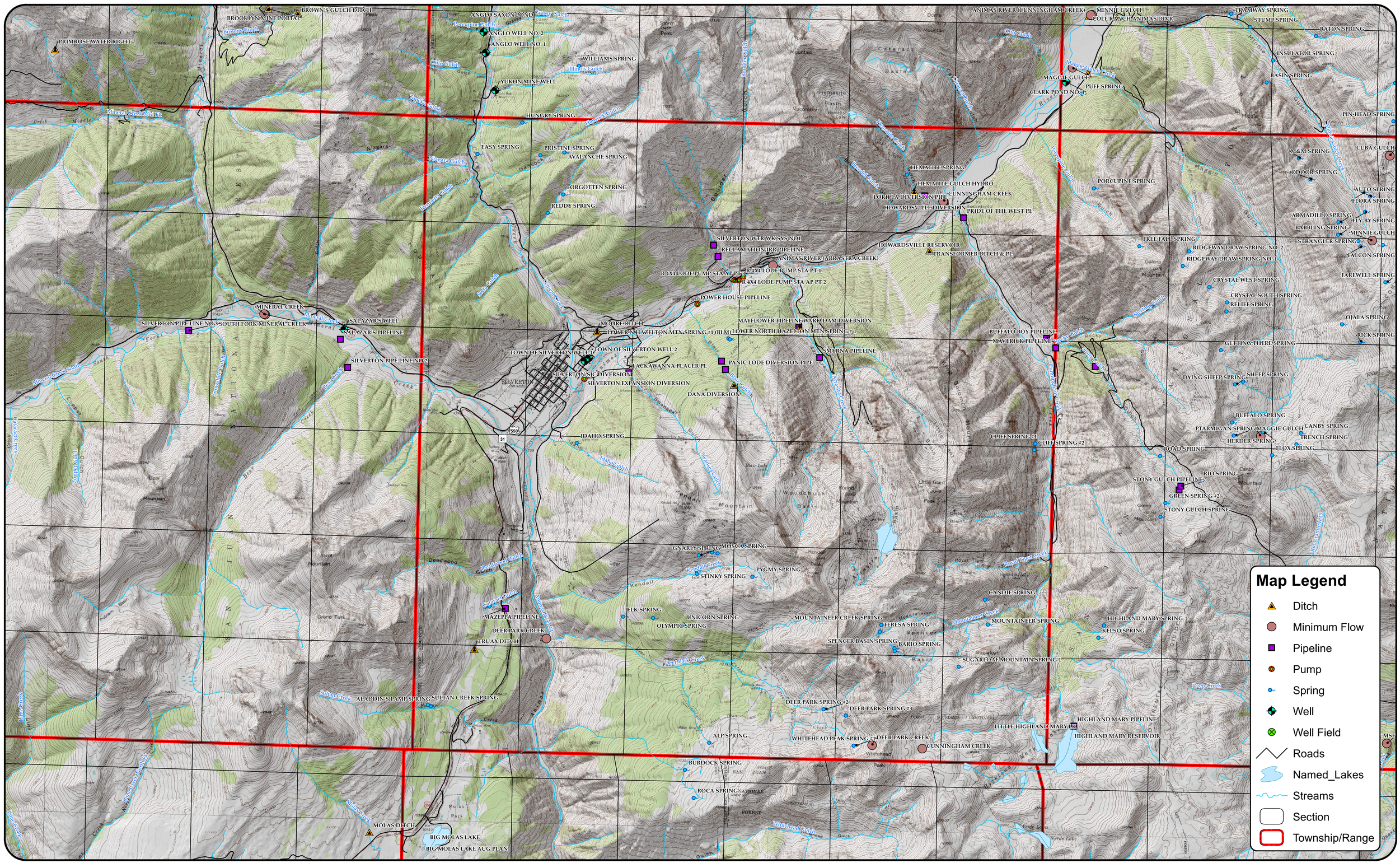

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Exhibit F.
Water Rights

Town of Silverton

Date: 3/9/2020	Job No. 2015-513.001	Map by:ANW	Checked By: XXX	Scale: 1:24,000

Data Sources: CDWR, CDNR, CDOT, USGS, ESRI

File:\Project Files\2015-513-TownofSilverton\GIS\MXDs\2019\WaterRights2x3.mxd

The information displayed above is intended for general planning purposes. Refer to legal documentation/data sources for descriptions/locations.

0 2,500 5,000 7,500 10,000 12,500 15,000 Feet

1 inch = 2,000 feet

N W E S

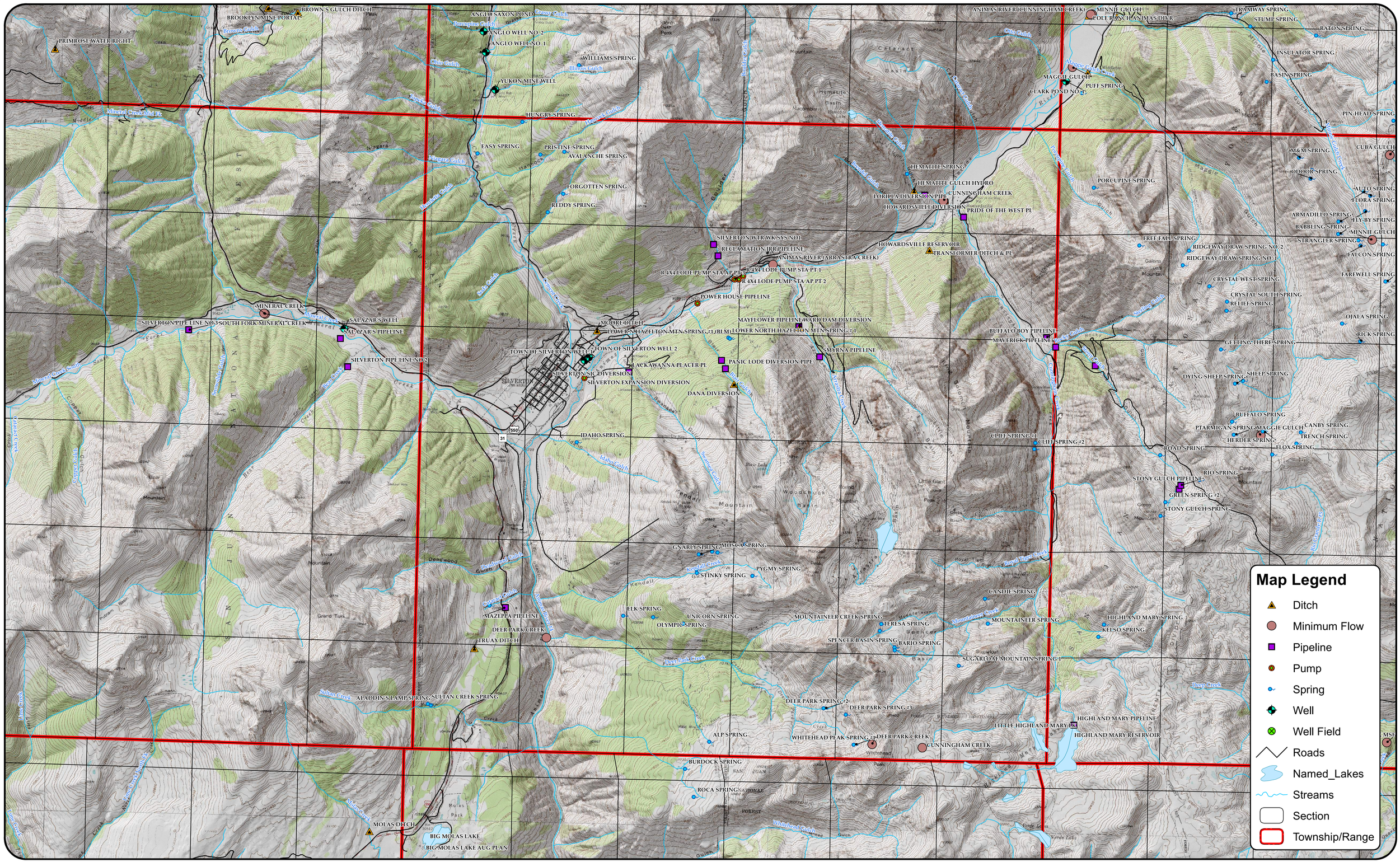

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Exhibit F.
Water Rights
Town of Silverton

Date: 3/9/2020	Job No. 2015-513.001	Map by:ANW	Checked By: XXX	Scale: 1:24,000

Data Sources: CDWR, CDNR, CDOT, USGS, ESRI

File:Project Files\2015-513-TownofSilverton\GIS\MXDs\2019\WaterRights2x3.mxd

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0 2,500 5,000 7,500 10,000 12,500 15,000 Feet

1 inch = 2,000 feet

N W E S