



AGENDA
CITY OF GLENWOOD SPRINGS
SPECIAL CITY COUNCIL MEETING
OCTOBER 27, 2020
101 W. 8TH STREET
1:30 PM

The agenda is subject to *change, including the addition of items 24 hours in advance or the deletion of items at any time.*
The order and times of agenda items listed are approximate and intended as a guideline for the City Council.

TIME	ITEM	ZOOM INSTRUCTIONS	ACTION
	1.	You are invited to a Zoom webinar. When: Oct 27, 2020 01:30 PM Mountain Time (US and Canada) Topic: 2020/10/27 Special Council Meeting Please click the link below to join the webinar: https://us02web.zoom.us/j/86307814891 Or iPhone one-tap : US: +16699006833,,86307814891# or +12532158782,,86307814891# Or Telephone: Dial(for higher quality, dial a number based on your current location): US: +1 669 900 6833 or +1 253 215 8782 or +1 346 248 7799 or +1 929 205 6099 or +1 301 715 8592 or +1 312 626 6799 Webinar ID: 863 0781 4891 International numbers available: https://us02web.zoom.us/j/86307814891	Information
		SPECIAL CITY COUNCIL MEETING	
1:30pm	2.	Roll Call	Quorum
	3.	Pledge of Allegiance	
		ACTIONS AND/OR PRESENTATIONS	
	4.	Discussion and Selection of Council Member for Ward 2	Discussion and/or Action
	5.	Update on Winter Outdoor Dining	Discussion and/or Action
	6.	Grizzly Creek Intake Emergency Construction Project	Discussion and/or Action
3:00pm	7.	Adjournment	



**APPLICATION FOR
CITY OF GLENWOOD SPRINGS**

Ward 2 City Council Appointed Position

NAME: Monica Wolny
(Please print)

HOME ADDRESS: 51871 Highway 6, GWS.
(Please print)

MAILING ADDRESS (if different than home): _____
(Please print)

CONTACT NUMBERS: Home (630) 940 4073 Work (970) 945 6279

Fax _____ Cell _____

E-Mail monicawolny@hotmail.com

OCCUPATION: Hospitality - Small business owner

MEMBERSHIP QUALIFICATION	CHECK HERE IF QUALIFIED
Residence and registered elector within City limits for one year preceding appointment.	✓
Non-salaried employee of the City.	✓
Cannot hold any other municipal public office during tenure of Council appointment.	✓

You must be able to check all boxes in order to qualify for the appointment.

Applications will be taken until 12:00pm on October 16, 2020.

*Please complete this application and forward it to the City Clerk either by
mail to: 101 W. 8th Street, Glenwood Springs, CO 81601;
fax to: 945-5023;
or e-mail to: catherine.fletcher@cogs.us*

Please attach a letter of interest and resume to this application.

October 1, 2020

City of Glenwood Springs
101 W 8th Street
Glenwood Springs, CO 81601

To the City of Glenwood Springs Mayor and Fellow Council Members,

With this letter I, Monica Wolny, would like to take the opportunity to formally declare my interest in serving the citizens of Glenwood Springs and to be considered to fill the Ward 2 Council seat that has become vacant with the resignation of Rick Vorhees. I affirm that I live within the boundaries of Ward 2 in the City of Glenwood Springs for at least one year and a registered voter at the same address. I currently am not an employee of the City of Glenwood Springs nor do I hold any other municipal public office. I affirm that I qualify and meet all membership requirements for the Ward 2 City Council Appointed position.

Along with my husband Michael and our three children (Ryan, Landon, and Mikey), we have all resided in the City of Glenwood Springs for the last decade. Prior to our family calling Glenwood Springs home, I was born and raised on the north side of Chicago to two parents that legally immigrated here to the United States of America from a then communist country of Poland. We eventually moved to the northwest suburb town of Park Ridge, Illinois, which is where I spent my latter years growing up.

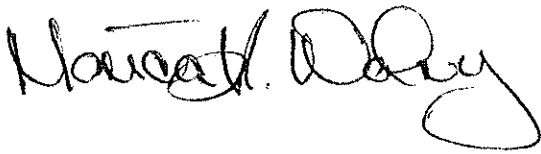
In 2010, my husband and I decided to make a demographic change and swap our suburban, big city, corporate sector life in exchange to live, work, and raise our children in the Roaring Fork Valley, specifically because of its safe environment, natural beauty, and bio diversity/eclectic mix of small rural America surrounded by world renowned skiing, fishing, biking, and the outdoors in general. For the last decade, we have proudly owned and operated our small business known as the Hanging Lake Inn located here in Glenwood Springs. During our tenure, we have been truly blessed to become a staple and a fabric woven to be part of our local small business community. A side from being able to meet so many wonderful people in our city and valley that also call this place home, my family and I have been privileged to be an honorable ambassador for our great city through all the different faces we are able to meet being a part of "small town main street." As a consensus of opinion for many locals that live here as well as the many tourists that visit our area, Glenwood Springs is legitimately an incredible place to live and work.

My desire to serve the citizens of Glenwood Springs as a potential City Council member comes from my affection, appreciation, and deep connection I feel to the residents and many people that I now call friends that I have gotten to know over the years, from the small business owners such as myself, to different members of the faith community, the parents of children in our local

school system, and the volunteers that devote their time and effort to the different programs and organizations in our community designated to making a lasting, positive impact on our society at large.

I promise to serve our community and its citizens with integrity, compassion, thoughtfulness, and accountability. I am running for local office not because I had or have aspirations of holding public office, but because this community and its citizens deserve to be listened to. Glenwood Springs has its challenges that come from being a small, mountain town in a modern world. However, we have many amazing citizens with different thoughts, opinions, experiences, and distinctive backgrounds that we as a community, and more specifically the appointed representatives of this community by our citizens, should draw from to help our neighborhood not only be a great place to visit, but also a great place we call home. I know I would work well with the other council members and believe I can bring a fresh perspective to this board with exceptional representation and transparency for all citizens and community members.

Best Regards,

A handwritten signature in black ink, appearing to read "Monica Wolny". The signature is fluid and cursive, with a large loop at the end of the last name.

Monica Wolny
51871 Highway 6
Glenwood Springs, CO 81601
(630) 940-4073
monicawolny@hotmail.com

Monica Kathryn Wolny

51871 Highway 6, Glenwood Springs, CO 81601
(630) 940-4073
mwolny@hotmail.com

Small business owner with 10 years experience in a service environment. Strong leadership and interpersonal skills. Knowledge and background in investor relations, corporate strategy, project management, money management, program management and analytical skills.

WORK EXPERIENCE

Hanging Lake Inn, Glenwood Springs, CO

President/Owner, April 2010-Present

Prepare cash reconciliation, daily bank deposits, customer relations, implementing an annual operating budget, occupancy/revenue projections, and managed P/L's.

Observe and manage employee hours and performance.

Ensure compliance with licensing laws, health and safety requirements, and other statutory regulations.

Supervise all marketing and promotion activities.

Maintained a relationship with customers, vendors and community partners.

Northwestern University, Evanston IL

Accountant III May 2005-2009

Accountant I, June 2004-May 2005

Prepared the general ledger, completed entries, transferred funds and provided reports as requested.

Reconciled statements and prepare account documents on a daily, monthly, yearly basis to ensure payments are accurately recorded and balanced.

Compiled and presented reports, budgets, commentaries and financial statements.

Maintained daily deposits and monthly budgets on student housing properties.

Administered payroll, controlling income and expenditures.

Prepared an analysis of budget variances and assisted auditors.

Managed colleagues, workloads and deadlines.

University of Illinois at Chicago, Chicago IL

Administrative Assistant to the Director of Student Affairs, 2000-2003

Directed and managed new student orientation presentations.

Managed mentorship and graduate students' programs targeting 80 students annually.

Advised students in course selection and registration process.

United Airlines, Chicago IL.

Financial Officer-Summer Intern, Des Plaines Office, 2000-2002

Assisted in performing financial audits on both accounts payable/receivables.

Oversaw assistant managerial aspects of financial projects from beginning to end.

Assisted in negotiations with third party vendors to ensure best outcome for the agency.

Traveled to multiple locations to verify contracts were put in place and carried out according to the agency's specifications and standards.

Catalent Pharma Solutions, Somerset NJ

Research Assistant-Spring Intern, Woodstock lab, 1999-2001

Performed water sampling, bacterial endotoxin testing.

Operated and maintained laboratory equipment, including but not limited to incubators, autoclaves, pumps.

Performed data of microbial results in database.

Provided and submitted research on RNA, DNA, PCR and protein handling.

Performed peer review for testing and calculations.

EDUCATION

University of Illinois at Chicago, Chicago IL

Bachelor of Science, Data Science

Catherine Fletcher

From: Claudia Mulica <mulicaclaudia@yahoo.com>
Sent: Monday, October 5, 2020 1:40 PM
To: Shelley Kaup; Steve Davis; Tony Hershey; jonathon.godes@cogs.us; Charlie Willman; Catherine Fletcher; Paula Stepp
Cc: mwolny@hotmail.com
Subject: Letter of Support - Monica Wolny

Good afternoon,

I hope everyone is doing well during these difficult times.

I am writing this email to emphasize my support for Monica Wolny as she runs for Glenwood Spring's City Council position for Ward 2. When I heard of Monica decision to run for this position, I was extremely excited for the future of Glenwood. As a person who has studied community integration and community-based leadership, I believe that Monica has shown many signs of dedication, leadership, and perseverance that can be extremely beneficial to the community.

Monica has excelled her experience within the community through her successful business, Hanging Lake Inn. Many of her guests, including myself, have become regulars due to her compassion, kindness, and concern of providing us with the best possible experience at Glenwood Springs. She takes the time to introduce the best places to visit as well as the complicated roads that lead to them. Through her conversations, you can truly feel how much she cares about Glenwood Springs. Monica's experience with a small business can also lead to great improvements within the city. She understands what small businesses need and she would be able to provide them with the best services to succeed. After all, Glenwood Springs relies on its local businesses to provide a home-like stay. It truly reflects the values of family which Monica does an impeccable job of portraying within her business.

Monica's desire to run for office does not depend on making a name for herself, but, instead, it depends on giving a voice to the citizens of Glenwood. She truly possesses the integrity, accountability, and determination to make the citizens of Glenwood Springs happy and to make the businesses thrive. All things considered, I fully support Monica Wolny's decision to run for Ward 2.

Claudia Mulica
mulicaclaudia@yahoo.com



APPLICATION FOR
CITY OF GLENWOOD SPRINGS

Ward 2 City Council Appointed Position

NAME: RAY SCHMAHL
(Please print)

HOME ADDRESS: 403 SUNNY ACRES
(Please print)

MAILING ADDRESS (if different than home): _____
(Please print)

CONTACT NUMBERS: Home 945-9532 Work _____

Fax _____ Cell 379 0352

E-Mail BIGTUNA35@ICLOUD.COM

OCCUPATION: RETIRED

MEMBERSHIP QUALIFICATION	CHECK HERE IF QUALIFIED
Residence and registered elector within City limits for one year preceding appointment.	<input checked="" type="checkbox"/>
Non-salaried employee of the City.	<input checked="" type="checkbox"/>
Cannot hold any other municipal public office during tenure of Council appointment.	<input checked="" type="checkbox"/>

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mail to: 101 W. 8th Street, Glenwood Springs, CO 81601;
fax to: 945-5023;
or e-mail to: catherine.fletcher@cogs.us*

Please attach a letter of interest and resume to this application.

Thank you for your interest and time commitment in serving your community.

October 5, 2020

To: The City Council of Glenwood Springs, Colorado
101 West 8th Street
Glenwood Springs, Colorado 81601

From: Ray Schmahl
403 Sunny Acres
Glenwood Springs, Colorado 81601

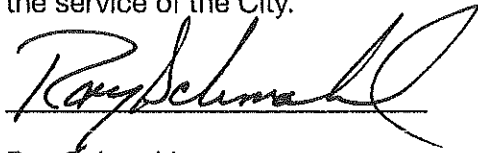
Re: Ward 2 vacancy position on City Council

Dear Council members,

Please accept this letter of interest from me for the completion of the term that Rick Voorhees was elected to fulfill.

Glenwood Springs has been my home since 1984. I moved here with my family when my job with Flatiron Structures Company, building the Glenwood Canyon Highway, warranted a full-time on site manager. We lived in Glenwood Park and on Maple Street downtown before moving to West Glenwood in 1995. My current address at 403 Sunny Acres has been home since 1997. My son Jason started school here in kindergarten at St. Stephens and graduated from Glenwood Springs High School in 1998.

I believe, and hope that you will find, that my experience building heavy civil infrastructure projects, managing multi million dollar contracts and hundreds of employees will be useful in the service of the City.

A handwritten signature in black ink, appearing to read "Ray Schmahl", written over a horizontal line.

Ray Schmahl

Ray Schmahl
403 Sunny Acres
Glenwood Springs, Colorado 81601
970 379-0352

Employment Synopsis

June 2019- Present	Resumed selective consulting work during semi-retirement. Obtained Disputes Review Board Foundation Training.
June 2018- June 2019	Superstructure Manager Johnson Brothers/ Southland Holdings I59/I20 Birmingham, Alabama. Responsible for planning and executing the casting and erection of approximately 2,400 precast trapezoidal box segments. Direct daily responsibility for 300+ employees.
June 2017- March 2018	Project Manager Cline Avenue Bridge. Joined Figg Bridge Builders with the mission to develop a new segmental bridge construction company devoted to private design, build, own and operate new toll bridges. Oversaw the start-up of construction of the first of these projects to be constructed by the new entity Figg Bridge Builders.
April 2016- June 2017	Miscellaneous consulting work including: Claim analysis on Atlantic Panama Canal Bridge; Wind Tower Technologies means and methods for pre-casting concrete wind towers; Construction cost estimating for RINO pedestrian bridge in Denver.
2015- April 2016	Resumed independent consulting with SFI JV on Gerald Desmond Bridge. Developed worksite assembly and operation plans for Movable Scaffold System. Organized and oversaw the critical load path independent review of the first and second Engineer Design review of the MSS System.
2010 – April 2015	Segmental Planning Manager Kiewit Bridge and Marine. Oversaw the development of plans for a 3,000 + segment casting yard and two span-by-span underslung erection systems.
2009- March 2010	Owner Ray Schmahl Consulting LLC

Worked with Atkinson Construction on Nalley Valley Bridge precast segmental alternate design construction means and methods.

Sept. 2004- 2009

Returned to BTE Concrete Formwork LLC, as Member, General Manager. Notable projects included numerous concrete post-tensioned water storage tanks, Maroon Creek Bridges highway and pedestrian, No Name Tunnel rehabilitation, Glenwood Springs pedestrian underpass, 27th Street Bridge rehabilitation and numerous structural and architectural concrete residential projects.

Mar.2002-Sept.2004

Took a leave from BTE to be the Senior on site representative for Flatiron Structures Co., one of the JV partners to the KFM Joint Venture, building the new Oakland Bay Bridge Skyway. Worked on various superstructure assignments from establishing the casting facility to cast-in-place pier tables.

July 1995 – Feb.2002

BTE Concrete Formwork, LLC, Member / General Manager
Purchased BTE Concrete Formwork, a regional concrete formwork subcontractor from the founder. Reorganized along with a couple of other ex-Flatiron co-workers. Grew the company into a regional civil, concrete and bridge contractor.

Jan 1993 – May 1995

Superstructure Manager for Flatiron/Eby project in Austin, Texas. U.S. 183 Project at \$72,000,000 included 1,300,000 square feet of pre-cast segmental bridge deck. Directly responsible for the superstructure construction worth roughly half of the contract total and indirectly responsible for Flatiron interest in half of the contract profit/loss.

Aug 1982 – Dec 1993 Area Manager, Flatiron Structures Company.

Directly reported to President/CEO for all 10 I-70 Glenwood Canyon Projects built by Flatiron Structures Co. The responsibilities ranged from an \$870,000 Traffic Control Project to the \$32,000,000 Hanging Lake Viaduct. Over the 10-year span of Glenwood Canyon construction, responsibilities included estimating, managing and completing 9 pre-cast segmental bridges, 6 cast-in-place box girder bridges, 3 structural steel bridges, pre-cast and cast-in-place retaining walls, post-tensioned roadway slabs and associated highway construction items.

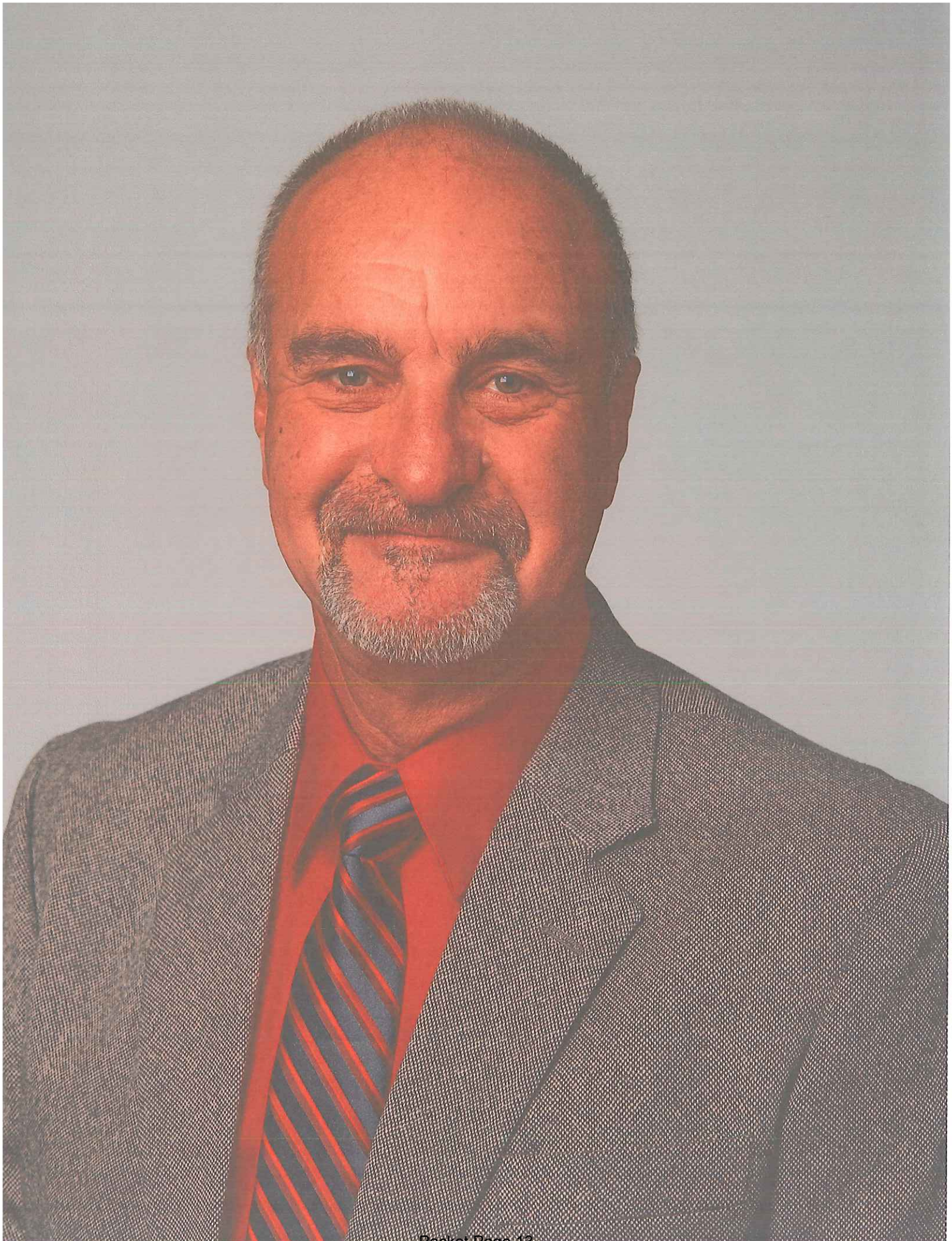
Mar 1980 – Aug 1982 Chief Estimator/Project Manager, C. Mays Concrete Construction Co. Grand Junction, Co.

Estimated and managed concrete construction subcontracts in and around Grand Junction, including the Walker Field Terminal Building, the Hilton Hotel foundations and floors, plus numerous tilt-up buildings around Grand Junction.

1976 – Mar 1980

Flatiron Companies, F&F Concrete Construction Co.

Progressive positions and responsibilities as laborer, carpenter, carpenter foreman, estimator and area manager for a concrete construction division of Flatiron, which performed foundations for residential and light commercial buildings.





**APPLICATION FOR
CITY OF GLENWOOD SPRINGS**

Ward 2 City Council Appointed Position

NAME: Ingrid L Wussow

(Please print)

HOME ADDRESS: 600 Greenway Drive, Glenwood Springs, CO 81601

(Please print)

MAILING ADDRESS (if different than home): _____
(Please print)

CONTACT NUMBERS: Home _____ Work 970.928.9000

Fax _____ Cell 970.404.5105

E-Mail _____

OCCUPATION: Realtor

MEMBERSHIP QUALIFICATION	CHECK HERE IF QUALIFIED
Residence and registered elector within City limits for one year preceding appointment.	X
Non-salaried employee of the City.	X
Cannot hold any other municipal public office during tenure of Council appointment.	X

You must be able to check all boxes in order to qualify for the appointment.

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mail to: 101 W. 8th Street, Glenwood Springs, CO 81601;
fax to: 945-5023;
or e-mail to: catherine.fletcher@cogs.us*

Please attach a letter of interest and resume to this application.

Thank you for your interest and time commitment in serving your community.

9/27/2020

To Whom It May Concern:

This letter serves to convey my interest in filling the remainder of Rick Voorhees's term on the Glenwood Springs City Council. As a longtime local of West Glenwood, I feel confident that I can successfully represent constituents of Ward 2 as well as the Glenwood Springs community at broad.

As a 5th generation local, I recognize the importance of making solid plans that respect our present economy, pay heed to our past and support our future.

Having served as a Planning & Zoning Commissioner over the last four years, I've harnessed a solid understanding of the issues facing Glenwood Springs. In addition, I appreciate the creativity, vibrancy and excitement throughout our community and would love an opportunity to help steer that energy.

I believe having had the Planning & Zoning experience and harboring an enthusiasm for land use, there may be less of a learning curve if I were to be appointed; optimistically I'll be hitting the ground running. My interest in applying for the council position is to take on higher-level problem solving and engage in more in-depth dialogue.

Additional focus/goals in applying to this vacancy are to bring a voice to:

- Finding a healthy balance between density, inventory and diversity of housing type
- Adapting code to be current with environmental construction methodology
- Creating opportunities to build livable, affordable and diverse communities
- Understanding commercial growth opportunities and finding balance between supporting existing areas and creating new zones

During the remainder of the term I hope to integrate peacefully into the current council as well as committing my focus to community-oriented growth, environmentally focused tenets and economically sound decisions.

I feel blessed to call this area home and would be grateful for the opportunity to represent my community.

Thank you for your consideration,

~ Ingrid Wussow

Ingrid Wussow

600 Greenway Dr • Glenwood Springs, CO 81601
Phone: 970.404.5105 • E-Mail: ingridwussow@gmail.com



Objective

To integrate peacefully into the current council as well as well committing a focus on community-oriented growth, environmentally focused tenets and economically sound decisions.

Experience

Mason & Morse Real Estate – Glenwood Springs, CO

5/06 – 10/08 - 10/13 – Present

Broker

- Developed and maintained strong customer relationships through the use of knowledge, honesty, experience and communication skills
- Evaluated and implemented current market trends
- Organized industry specific events and facilitated open-houses
- Maintained relationships to create repeat clientele

Yellowstone Bees - Bozeman, MT

02/10 – 05/12

Marketing Manager

- Identified and pursued viable sales channels
- Cultivated relationships with wholesale/retail customers base
- Created and implemented yearly marketing and sales plans
- Identified the voice of the company to create an active social media presence
- Organized and managed public events to increase brand awareness

Ingrid's Cup & Saucer – Glenwood Springs, CO

09/02 – 04/05

Owner

- Managed all aspects of a bakery/deli
- Created and maintained a loyal customer base
- Utilized effective marketing tools to strengthen brand and facilitate growth
- Collaborated with other industry professionals to plan and organize events

Education

M.S. Public Relations

Montana State University – Billings

Baking & Pastry Arts Program

John & Wales University – Providence

B.A. Sociology

Colorado State University – Ft. Collins

Mediation Association of Colorado

Mediation Certificate

Volunteerism

Hyalite Elementary Parent Council: President

Mountain Judicial Mediation: Mediator

City of G.W.S. Planning and Zoning: Commissioner



City Council
STAFF REPORT
City of Glenwood Springs
October 27, 2020

Agenda Item: Update on Winter Outdoor Dining

Action Requested: Provide direction on outdoor dining strategies.

Department: Economic and Community Development

Presented By: Matt Nunez, Economic Development Specialist
Jennifer Ooton, Assistant City Manager
Debra Figueroa, City Manager

Background Info: Ideas on outdoor dining will be provided at the meeting.

Issues:

Staff Recommendation:



City Council
STAFF REPORT
City of Glenwood Springs
October 27, 2020

Agenda Item: Grizzly Creek Intake Emergency Construction Project

Action Requested: Sole Source Emergency Award of Grizzly Creek and No Name Protection/Stabilization Projects to Gould Construction.

Department: Public Works

Presented By: Matthew Langhorst, Public Works Director

Background Info: The City of Glenwood Springs has been working with Stephen Jaouen at the NRCS to define the work needed to be completed prior to the spring runoff at the No Name and Grizzly Creek intakes. Below is a quick outline of work day restrictions, EWP grant process and the work scopes at the intakes.

BLM Schedule Restrictions (workdays allowed):

- October 15th – October 23rd
- November 2nd - November 6th
- November 14th – November 17th

NRCS EWP Grant Schedule:

- EWP application: 8-27-2020
- EWP agreement paperwork started: 9-5-2020
- EWP agreement paperwork signed and confirmed: 9-28-2020
- EWP scope conversations and SGM report completed on 10-4-2020.
- Final EWP Grant close out May 31st, 2021.

The above schedule provides two weeks starting Monday the 19th to complete the work at the Grizzly Creek intake prior to winter temperatures intake causing construction issues. After November 17th, the site will most likely not be unavailable due to moisture and temperatures. The workday dates are the days between 1st, 2nd, 3rd and the 4th hunting season. The main haul out/lifting locations will be the north parking lot at the Grizzly Creek exit (CDOT approved) and secondary lifting site will be the saddle on Transfer Trail just below the Adventure Park (BLM approved with the schedule restrictions). Lift dates work around the hunting schedule noted above to be as accommodating as possible for people who have purchased hunting licenses. The team is also being asked to be as quite as possible during the work schedule to not cause issue with mating season.

Thursday the 15th of October we flew two 4,900lbs mini-excavators and one 2,400lbs hauling skidder into the site due to the availability of the heavy lift helicopter. The next available time was two to three weeks out from my conversations with the Gould team. Helicopters are not readily available this time of year due to fire season still being in effect, so we are working with their schedule to make the timing work within the schedules noted above.

The work is/was schedule to start on Monday the 19th of October. Duration of work is expected to be the 19th – 23rd, with some clean up work happening quietly the 26th through the 30th of October. The heavy lift helicopter will load out all equipment the week of November 2nd – 6th so we are not causing issue with the hunters above the work area.

The work scope listed below for the projects was created from the SGM report recommendations for

remediation/intake protection work to be completed at the Grizzly Creek and No Name intakes.

Work will begin with delivery of the machinery and essential materials on the south and north side of the intake. A 24" ADS pipe will be fastened to the 18" flushing pipe on the intake to divert water away from the western bank and the old intake structure to start the drying out process. Scope of work will then follow as noted below.

Grizzly Creek Diversion – Gould and City Work Scope

1. Mini-excavator and haul skidder will be utilized to clean up the original landing/unloading pad location along the south side of the intake. This will allow for personnel, equipment, and materials to be unloaded in a safe location. Thinning of vegetation in this area has already begun during the September 23rd hike up to the intake for assessment of the site.
2. Stabilize loose slopes around old diversion (concrete) once the area has been dewatered as much as possible with diversion pipe and pump system.
3. Armor 18" return outfall pipe (concrete and rocks)
4. Once the work below the intake has been completed the haul skidder and mini excavator will be relocated to the upper level of the intake and work will recommence.
5. Clear out rock/gravels in front of vertical Coarse Debris Screen
6. Replace top mounted intake screen with steel/aluminum plate
7. Stabilize loose slopes on upstream side of diversion (concrete)
8. (Potential 2021 Work) Replace Coarse Debris Screen with steel plate or heavy wood

The No Name work will commence as soon as final plans have been passed by the NRCS for approval, most likely the first week of November for construction start.

No Name Creek Diversion

1. Clean out excess cobble/gravel
 - Remove approximately 80 CY of debris up stream of the intake structure/dam and place the material on the south east side of the main structure out of the floodway of the creek.
 2. Stabilize loose slopes on east side of wing wall, and west of diversion (concrete)
 - Use onsite rock of approximately 2'-3' in size to rock armor the north west bank above the intake structure. Hand grout the rock for stability and erosion control.
 3. Install "eco blocks" on northern and western side of Pretreatment Building to protect from rock damage
 - Install approximately 12 - 2'x2'x6' concrete blocks adjacent to the north side of the existing structure for impact protection to the structure.
 4. Increase height of concrete walls at diversion (to keep mud from overtopping)
 - SWAT and Streets department to work with Water to form and pour taller walls at the intake to keep high flows from overtopping the structure. Possible add grating or aluminum plating to the top of the intake to close off debris.
 5. Remount gates
 - Current gate is not functioning correctly nor will it protect the intake. Remove existing gate, install new electrically operated gate/cover, to protect the intake remotely.
 6. Cover trash gate with heavy wood to keep out mud
 - Review this in field, may implement this in 2021. This item could cause water intake issues and the flush system should be able to handle most of the debris issues in the collection basin.
 7. Install actuators on trash gate
 - See item number 5.
 8. Install actuator on 30" intake pipe
 - Work is being completed at this time along with radio transmitters to control this operation remotely.
 9. Remove historic wooden diversion gate
 - Review onsite and complete work if deemed necessary.
 10. Remove lower rail on bridge (optional)
 - Review onsite and complete work if deemed necessary.
 11. Stabilize loose slopes around bridge abutments
 - Use onsite rock of approximately 2'-3' in size to rock armor the north east and west banks above the

bridge abutments. Hand grout the rock for stability and erosion control.

All of this work is necessary to be completed prior to winter of 2020 so that both of the City's intake structures are prepared for the 2021 spring run off that will be exasperated by the wild fire burn areas. This work is being recommended to be completed by Gould Construction due to their experience with the intakes (they constructed the Grizzly Intake in 1999 with the City), availability of staff and ability to complete the work prior to winter. The EWP grant is an 80%/20% split with an approved limit of \$1,000,000 for construction and \$150,000 for design. The proposed Grizzly Creek intake work is estimated at \$255,000. The No Name intake estimate is not available at this time due to ongoing design work through SGM, but the work should be substantially less than the Grizzly Intake construction work due to the ease of location access.

At the end of the projects the NRCS will required Gould and the City to provided a document that provides day by day work completed, photo documentation of work completed and a fully audited invoice with complete expenditures back up material prior to the grant funds being released. These projects are difficult to estimated due to location and the design/build nature of the construction, thus the final documentation controls required.

Issues:

None

Staff Recommendation:

Staff is Recommending Approval of the Sole Source Emergency Award of Grizzly Creek and No Name Protection/Stabilization Projects to Gould Construction.

Preliminary Grizzly Creek Diversion BAER Recommendations

10/4/2020

The Grizzly Creek Diversion structure was visited on September 18, 2020 by Mike Hedrick, Jose Diaz, Leanne Miller, John Hass, Catherine Bacon, Eric Petterson, Mark Gould, and two members of the Glenwood Springs Fire Department (GSFD), and five members of the White River N.F. Fire Module.

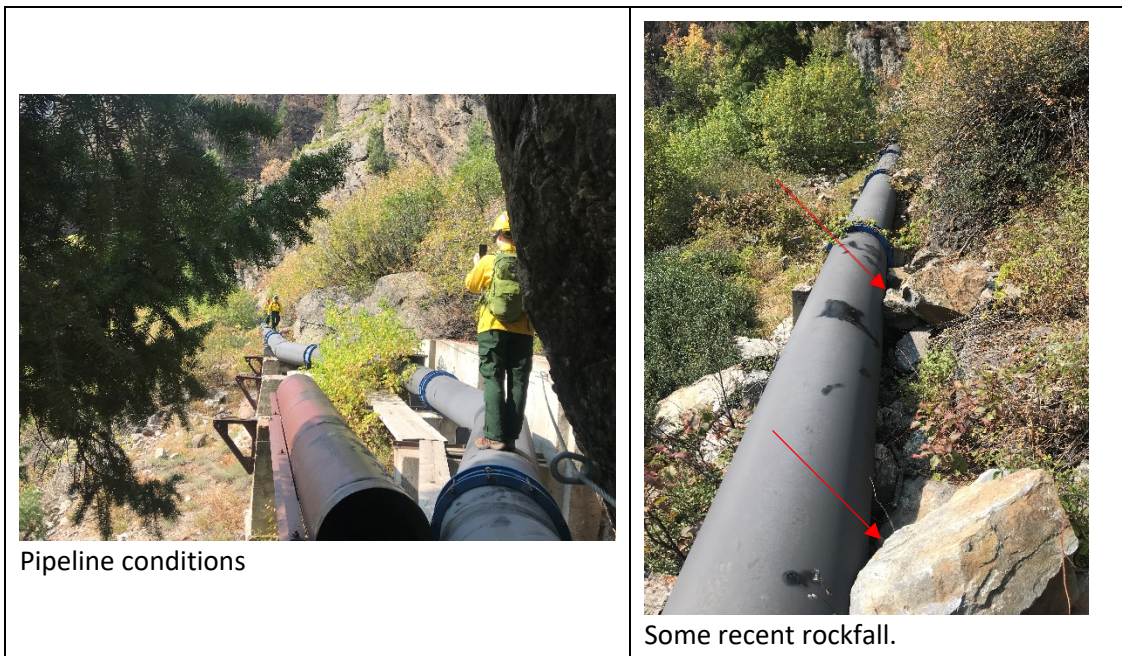
The status of the 24-inch, 874-foot long steel pipe and diversion structure were assessed for damage from the Grizzly Creek Fire, recent rock fall or debris flow events, and to develop prescriptions to prevent additional damage from either debris flow events or rock fall as a result of the fire.

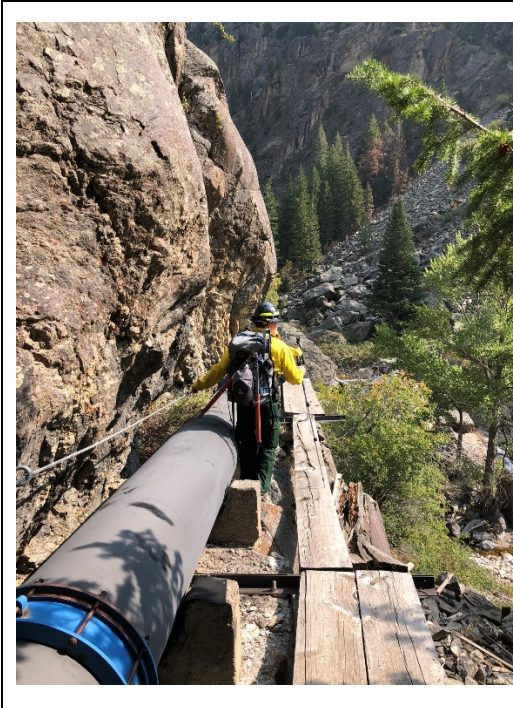
Existing Conditions Assessment

Local Fire Impacts around Pipeline and Diversion

The Grizzly Creek Fire did not burn vegetation around the pipeline or diversion structure. Specifically, slopes above and below the pipeline were assessed on foot and using a drone, provided by the Aspen Fire Protection District (operated by GSFD/AFP staff). Using the drone, we confirmed that in the flowpaths above the pipeline and diversion, the steep, rocky terrain supported intact shrubby vegetation and trees which had not seen anything more than small spot fires. However, in the steep draw immediately south of the pipeline, the fire had burned with high severity, but fortunately this draw is topographically and hydrologically isolated from the pipeline by a large rock outcrop, which extends from the top of the ridge down to Grizzly Creek.

Therefore, there is little risk to the pipeline or diversion structure from debris flows or mass erosion events coming down the hillslopes to the west as a result of the fire. We did observe a number of rocks which had recently hit the pipeline, and it is unclear if these rocks were mobilized as a result of the fire, or perhaps fire suppression activities (such as water drops), or as a result of natural erosion processes.





UAV photo of Diversion



UAV photo of slopes above pipeline and diversion



UAV photo of pipeline



UAV photo of Diversion area

Other Actions

During the site visit, the following tasks were completed:

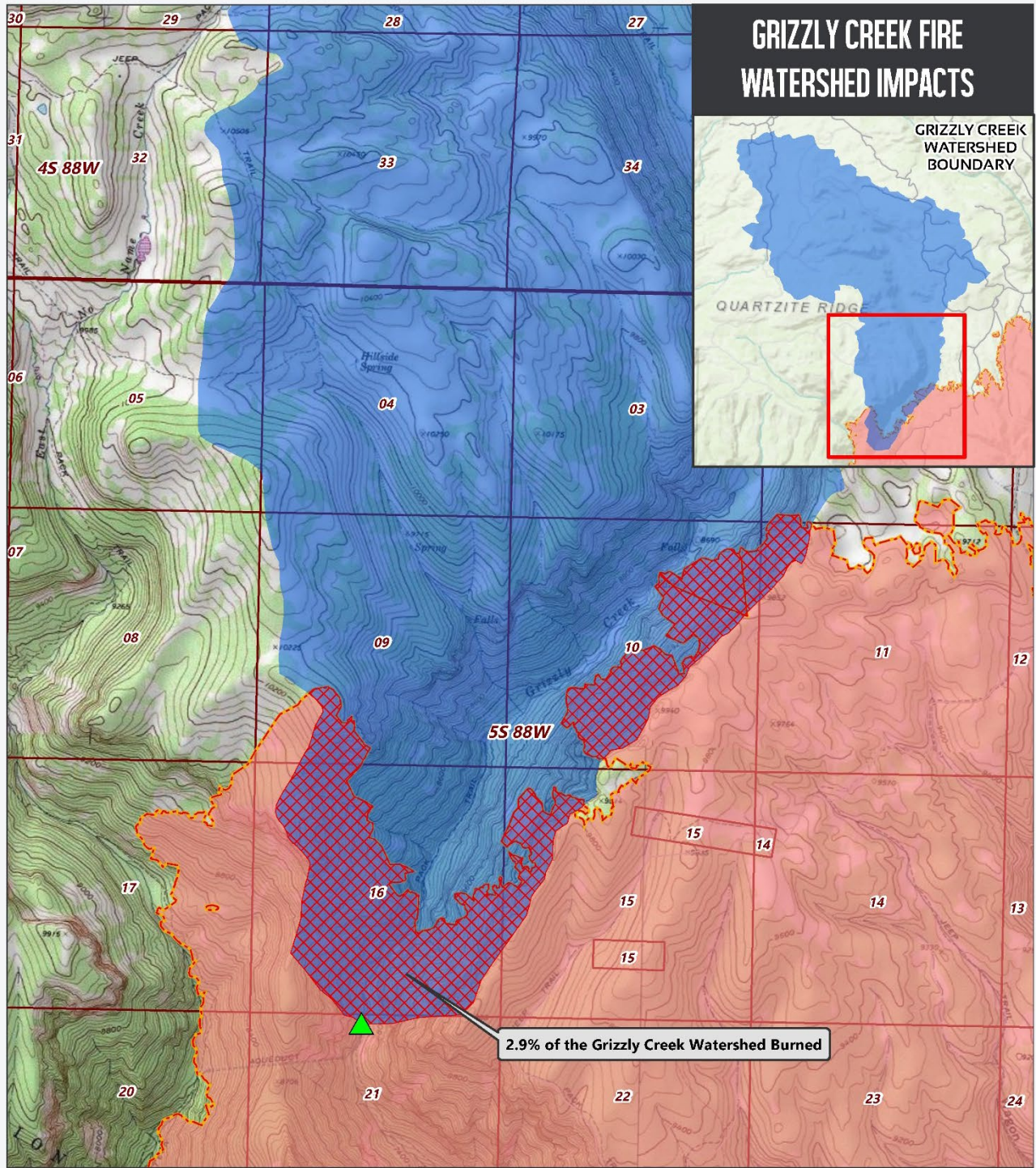
- Pipeline and diversion inspected
- Coarse Debris Screen cleaned (partially)
- Grizzly Screen cleaned
- More water diverted towards diversion structure
- Water in 24-inch pipe checked and return flows adjusted (by City operations staff)
- Brush and trees along pipeline and around diversion cleared for future helicopter operations
- Drone flight for determining burn area risks to pipe and diversion
- Heli-spot cleared
- BAER assessment and recommendations conceptualized

Watershed Impacts

Based on additional review of the fire boundary (as of 9/4/2020, when major fire spread had ceased), **only 2.9 percent (614 acres) of the 21,535-acre Grizzly Creek watershed above the diversion is within the fire boundary.** Based on observations during the site visit much of the burn within this area was a mosaic of burn severities, with most of the area seeing spotty fire activity, and dominated by low and moderate fire severities. These low and moderate fire severity areas generally do not show highly hydrophobic soils. Further, based on the fact that much of the burned areas are higher on the slopes above Grizzly Creek, there will be some attenuation of sediment and potential debris mobilization.

Based on this preliminary assessment, **the risk of a major debris flow event impacting the Grizzly Creek Diversion is low.** More likely impacts would be ash flow events (where ash is easily mobilized and could be diverted through the diversion, into the pipeline, aqueduct, and No Name Creek), and elevated sediment loading in Grizzly Creek after thunderstorms exceeding 1-year rainfall events. Larger debris flows mobilizing large diameter rocks, high quantities of mud, or logs or other larger debris flow/mud flow events are not anticipated for most precipitation events.

If a large event (such as a 5 year or 10 year event) occurred, a large debris flow would still not be expected to impact the diversion; rather there would be extended high sediment loading and highly turbid waters, with some smaller diameter rocks or mud in the creek. Once the final USFS BAER report is released, this assessment can be refined.



GRIZZLY CREEK FIRE WATERSHED IMPACTS

GRIZZLY CREEK
WATERSHED
BOUNDARY

QUARTZITE RIDGE

2.9% of the Grizzly Creek Watershed Burned

LEGEND

- Grizzly Diversion
- Burn Area within the Watershed
- Grizzly Creek Watershed (above Diversion)
- Grizzly Creek Fire Burn Area
- PLSS Township/Range/Section
- Local Road

Disclaimer:

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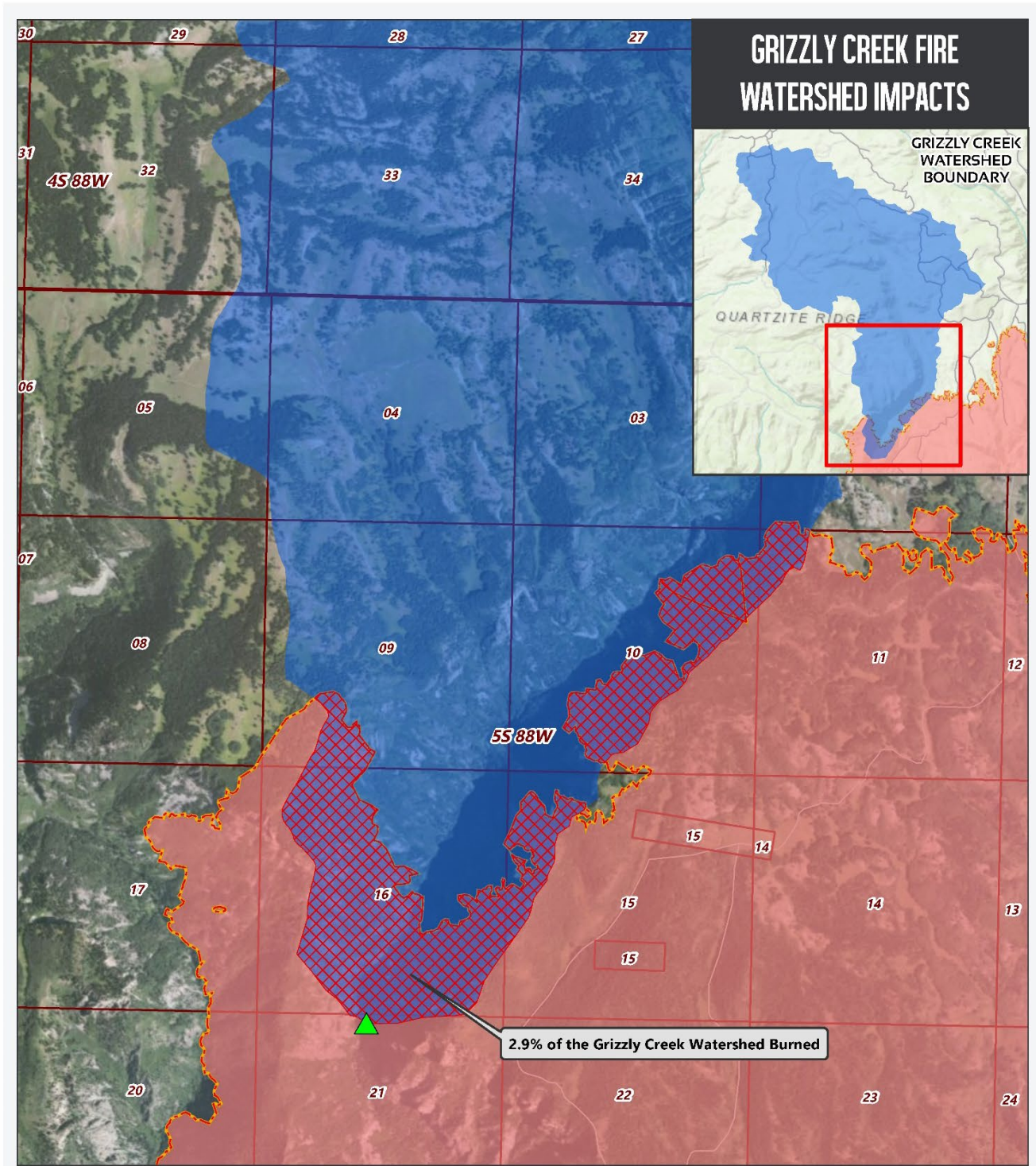


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Date: 9/22/2020
Location: 39.60861, -107.27145
Created By: SGM
Drawn By: JDF



SCALE: 1 in = 2,888 feet



LEGEND

-  Grizzly Diversion
-  Burn Area within the Watershed
-  Grizzly Creek Watershed (above Diversion)
-  Grizzly Creek Fire Burn Area
-  PLSS Township/Range/Section
-  Local Road

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Diversion Structure Operation and Conditions

At the time of investigation, there was no evidence of ash washing down, or any sediment impacts on waters within Grizzly Creek. The diversion structure showed no evidence of receiving fire-related flow events.

The Coarse Debris Screen was mostly plugged with cobble and gravels, and some woody debris resulting from natural in-channel sediment/cobble mobilization. This was allowing water to back up and enter the diversion structure through the Grizzly Screen. The 30-inch flush pipe intake was completely buried, and no attempt was made to clean the screen.

The Coarse Debris Screen was partially cleaned, to allow more water to flow into the diversion structure. Crews also manually moved rock to direct surface flows into the Coarse Debris Screen entrance. Once this was done, most of the creek water was passing through the diversion, and no waters were entering through the Grizzly Screen. The gate for the 18-inch return pipeline was adjusted by Mike Hedrick to allow adequate in stream flows to return to Grizzly Creek.



Cobble and debris removed in front of Coarse Debris Screen.



Rocks moved to direct more flows to diversion

Recommendations to Mitigate Debris Flow Risks

While the immediate area around the pipeline and diversion did not burn, there are still areas in upper Grizzly Creek that did burn. There is still some risk to the diversion from minor debris flows, but more likely from increased sediment loads. The following are recommended to help minimize and mitigate the risk to the diversion. Additional details and specifications for installation can be developed based on the City's preferred approach to implementing the recommendations, and on the final USFS BAER report.

1. **RECOMMENDED** - Replace Grizzly Screen with Steel Plate- The Grizzly Screen is currently bolted in place. This screen should be removed this fall/winter during low flow conditions and replaced with a ¼ inch steel plate, to keep debris/mud from filling the vault and to keep the screen from being damaged.
2. **RECOMMENDED** - Replace Coarse Debris Screen with Steel Plate or Other Cover.

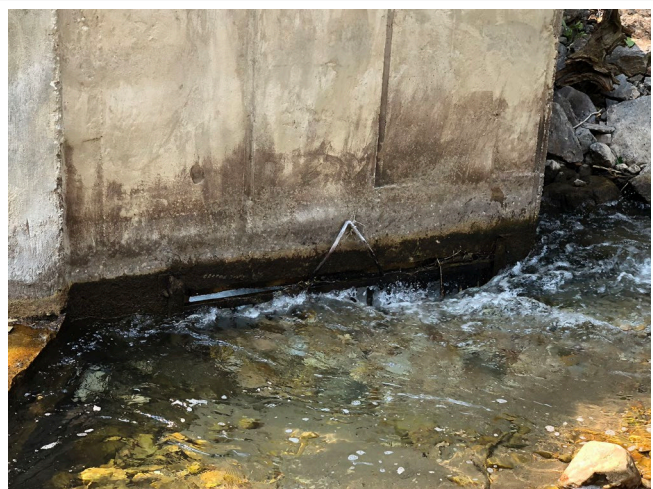
- a. Option A- The area in front of the Coarse Debris Screen still has quite a bit of cobble blocking it, and will take more excavation to fully clear the screen (once this is done, the upgradient cobble will still migrate in front of the screen). To protect the screen and prevent damage to the interior of the structure, a ¼ inch plate of steel should be slid into place. Given that once this is done, the upgradient cobble will likely fill in front of the plate, this will also help protect the plate from potential debris impacts.

Consideration should be taken for doing this during low-flow conditions either during the fall or in late winter/early spring - once spring snowmelt begins it will likely be impossible to replace the screen. *If installed during the fall, little water could be diverted from Grizzly Creek over the winter, unless perforations were designed as part of the installed plate.*

- b. Option B- Over the course of the winter, cobble could be allowed to fill in the front of



Replace bolted-on Grizzly Screen with plate.



Coarse Debris Screen is still partially blocked with cobble. Replace with perforated plate, or solid plate, or allow cobble to backfill naturally to prevent debris damage.

the screen, or prior to the summer monsoon season, rock could also be manually moved in front of the screen- if the screen is already blocked by cobbles, this should protect the screen from future debris flows. This may be difficult to correctly time, given the overlap between high flow conditions and the monsoon season. Additionally, sediment and fine soils may still be transported into the diversion structure and require cleaning and maintenance prior to operation.

3. **OPTIONAL** - Install Steel Plate or Reinforced Wood over Diversion Vault. To protect the interior workings of the vaults, a steel plate or wood with reinforcements can be installed. This will allow mud, rocks and other debris to pass over the top of the vault. The likelihood of debris/mud overtopping the vaults is low; however, if a larger storm hit the area this may be a good mitigation.

This would include:

- a. Remove Derrick Mount- The derrick mount will need to be temporarily removed- this should be done after removing the Coarse Debris Screen.
 - b. Replace Waterman Canal Gates- The threaded stems and headwheels will need to be shortened or changed to a 90° miter gear, so this hardware does not protrude above the concrete walls. Carollo recommends replacing the existing gates with stainless steel gates that are rated for automated (electrically actuated) service if making modifications to the existing gates.
 - c. Helicopter-In and Bolt on Plate/Wood Covering- Prior to the monsoon/thunderstorm season, the cover can be flown into place on top of the vaults and bolted into place (bolts would need to be drilled into the concrete).
4. **RECOMMENDED** - Stabilize Loose Slopes. Fly in pre-mixed concrete to help stabilize loose, unconsolidated dirt and rocks. Installation in fall 2020 is recommended for these improvements (see photos on following page).
 - a. Upstream Work. On upstream side of diversion, this should be done to keep sidecutting from taking out the western stream bank behind the diversion. Approximately 2-3 cubic yards (cy) will be needed. This should be done during low-flow conditions, as once springtime snow melt starts, it would be extremely difficult to do this work.
 - b. Downstream Work. Near the old diversion structure, use concrete to stabilize loose, unconsolidated dirt and rocks between old diversion and the 24-inch pipeline to keep scouring from damaging the pipeline. Approximately 2-3 cy will be needed.



Waterman gates and headwheels, and derrick mount would need to be changed out for plate to sit on vault.



Concrete loose slopes to prevent sidcutting behind diversion.



Concrete loose materials.

5. **RECOMMENDED** - Armor 18" Return Outfall Pipe.

The 18-inch steel pipe return flow outfall is within the debris flow area and could be damaged or undercut by flows. Concrete should be used to shore up ongoing undercutting around the pipe, and either steel or additional concrete should be poured to armor the pipe. Approximately 2 cy will be needed, along with forms to keep concrete out of Grizzly Creek (this work can be facilitated by shutting off the return flows temporarily and letting water flow over the spillway).

- a. **Even with smaller debris flow events, this work is recommended.**



6. **OPTIONAL** - Remote Monitoring and Automation.

~~Remote turbidity monitoring at the Grizzly Creek diversion will require solar panels for instrumentation power and either satellite or radio telemetry to communicate with the City's SCADA system. While this functionality may be valuable, this capability is not critical if the City intends to continue operating the Grizzly Source primarily during the late summer through winter months. If not operated during spring runoff and early summer, when the risk of highest turbidity is greatest, the additional equipment should not be as critical for operational decision making.~~

After preliminary evaluation of the site, satellite telemetry appears to initially be the most feasible and lowest risk telemetry option. Radio telemetry communicating to a point on the saddle above the aqueduct will be more challenging to facilitate and may require multiple receiving point which increase the risk of equipment failure. Additional details can be developed with regards to this installation if this remote monitoring capability is desired.

Remote operation of the existing gates was also evaluated during this site visit. This functionality is being further investigated by Carollo Engineers, Inc. with regards to equipment, installation,

~~power requirements, and costs. Remote operation of the gates is a lower priority than remote turbidity monitoring and should be further evaluated to determine the added value of this functionality as compared to the capital and ongoing operations and maintenance costs.~~

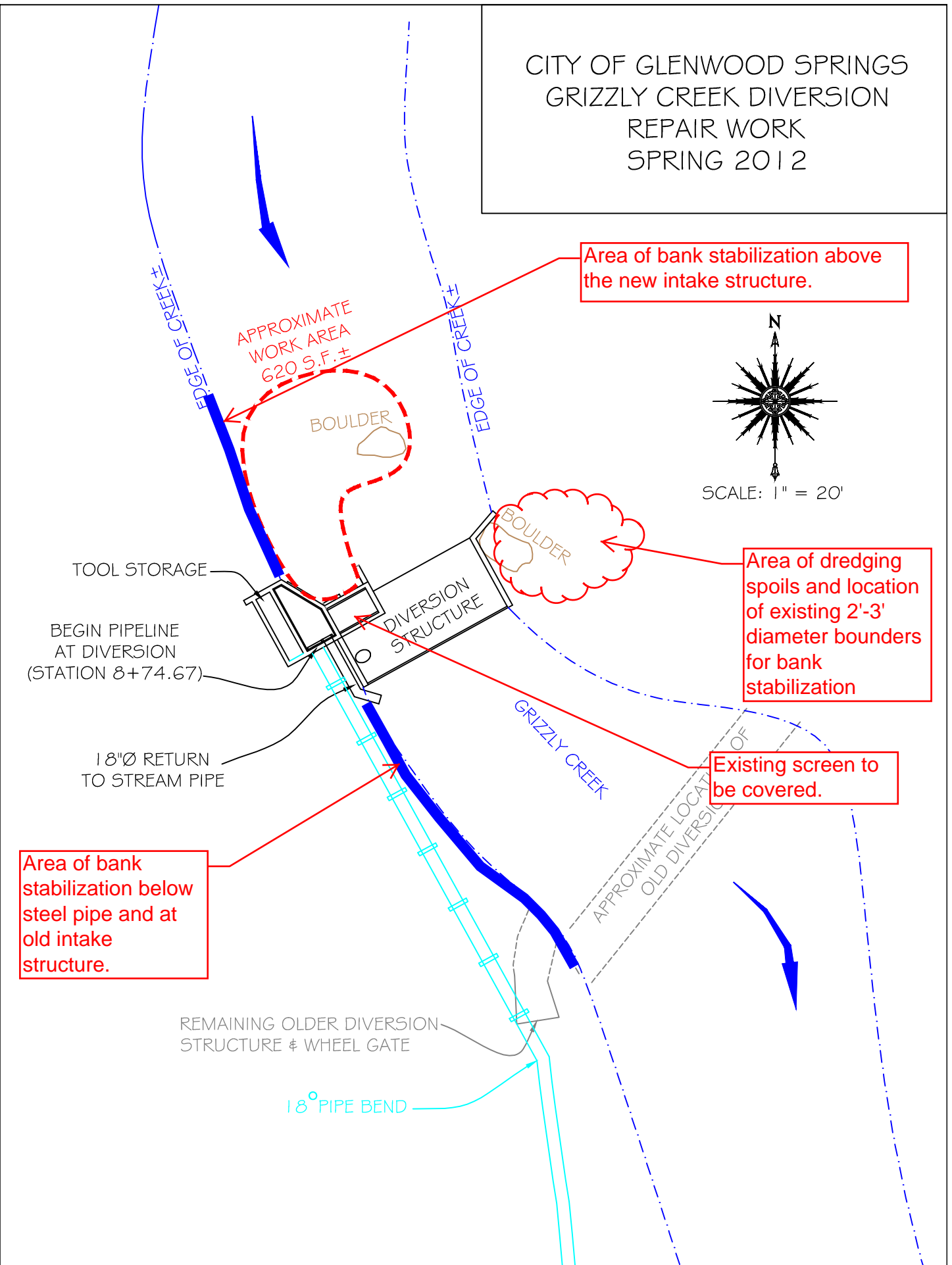
7. Timing - Once spring snow runoff begins, there will be little chance to complete most of these activities, given the difficulty in crossing the creek, and high flows in the creek. The more critical work considered for the fall should include flying in concrete to shore up unconsolidated rock/dirt and areas around outfall pipe, and installation of a steel plate over the Grizzly Screen. Other work (including replacement of gates and installation of plate over vault), could occur in the early spring ahead of runoff. Any work occur in the spring during periods of high flows lows will be challenging.

Prepared by:

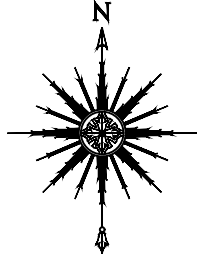
Eric Petterson, SGM

Leanne Miller, P.E., Carollo Engineers, Inc.

CITY OF GLENWOOD SPRINGS
GRIZZLY CREEK DIVERSION
REPAIR WORK
SPRING 2012



Area of bank stabilization above the new intake structure.



SCALE: 1" = 20'

Area of dredging spoils and location of existing 2'-3' diameter boulders for bank stabilization

Existing screen to be covered.

Area of bank stabilization below steel pipe and at old intake structure.

REMAINING OLDER DIVERSION STRUCTURE & WHEEL GATE

18" PIPE BEND

TOOL STORAGE

BEGIN PIPELINE AT DIVERSION (STATION 8+74.67)

18"Ø RETURN TO STREAM PIPE

APPROXIMATE WORK AREA 620 S.F.±

BOULDER

BOULDER

DIVERSION STRUCTURE

GRIZZLY CREEK

APPROXIMATE LOCATION OF OLD DIVERSION STRUCTURE

EDGE OF CREEK±

EDGE OF CREEK±