

Ridgway Town Council
Special Meeting Agenda
Wednesday, February 14, 2024

Pursuant to the Town's Electronic Participation Policy, the meeting will be conducted both in person and via a virtual meeting portal. Members of the public may attend in person at the Community Center, located at 201 N. Railroad Street, Ridgway, Colorado 81432, or virtually using the meeting information below.

Join Zoom Meeting

<https://us02web.zoom.us/j/82774268562?pwd=OGNyRmZ2YkNmamHI3ZGZleC9UODJSZz09>

Meeting ID: 827 7426 8562

Passcode: 956116

Dial by your location

+1 346 248 7799 US

+1 253 215 8782 US

5:30 p.m.

ROLL CALL Councilors Kevin Grambley, Polly Kroger, Beth Lakin, Terry Schuyler, JT Thomas, Mayor Pro Tem Russ Meyer and Mayor John Clark

PUBLIC HEARING

1. Town of Ridgway Ductile Iron Water Line Replacement Project Needs Assessment and Environmental Assessment

ADJOURNMENT

AGENDA ITEM #1

PUBLIC HEARING

DUCTILE IRON WATER LINE REPLACEMENT PROJECT

Review of Project Needs Assessment (PNA)

Required for SRF Funding

Intended to inform the public and provide an
opportunity for comments and suggestions

PNA Requirements

Requires:

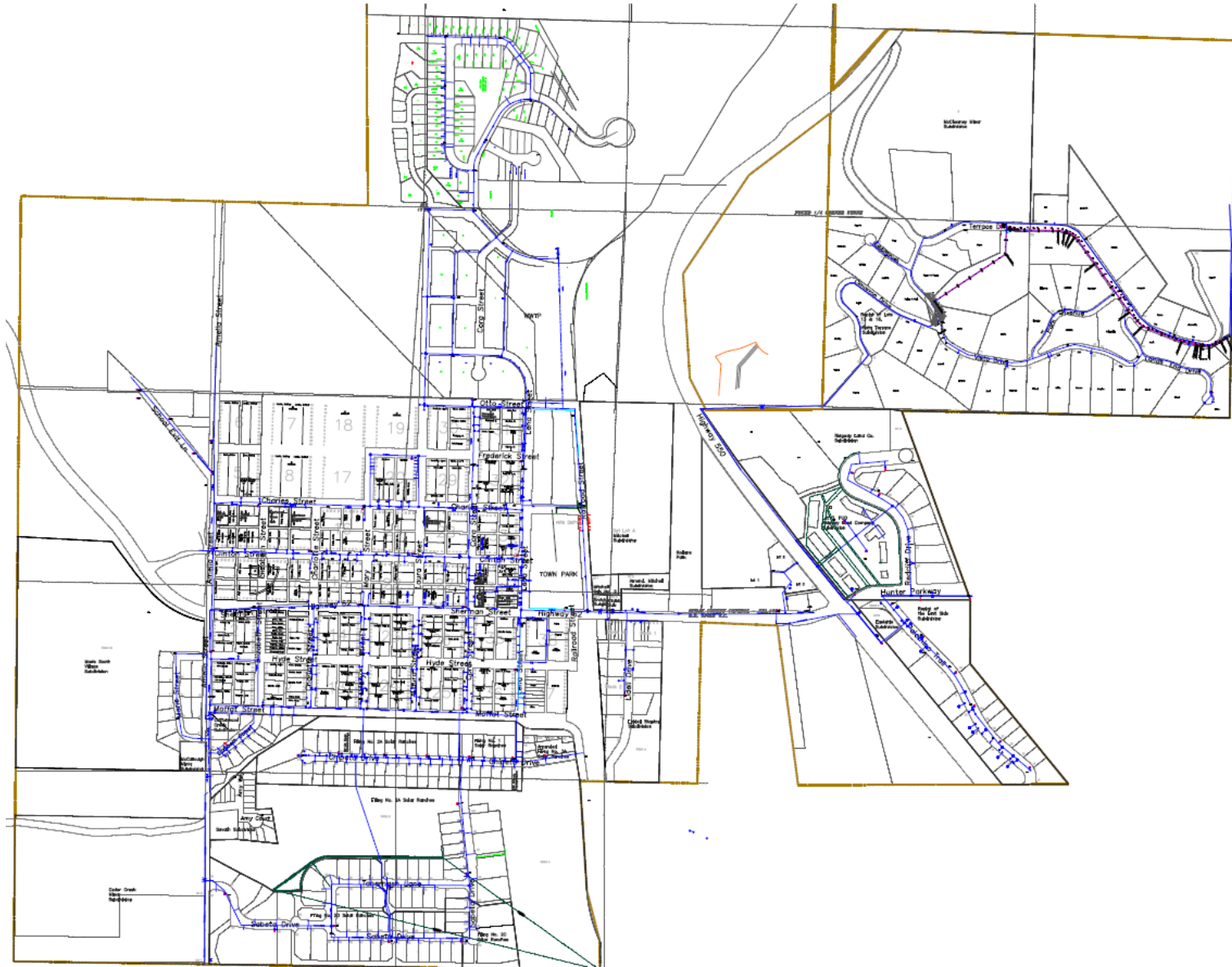
- Background info about water system
- Defines the problem
- Develops and evaluates options
- Selects and defines best option
- Implementation Plan



System Background

- Raw water supply from Beaver Creek and Happy Hollow to Presedimentation ponds
- 0.5 MGD water treatment capacity via microfiltration
- two 300,000 gal above ground water storage tanks
- From tanks flows into distribution system
- Pipe in question is in the line immediately downstream of the plant

Existing System Distribution System



Existing Pipe Concern

- Ductile Iron pipe in question is located just below the water treatment plant. All water to Town Customers flows through it.
- Installed in about 1980
- Was not sheathed to protect it from corrosion
- Had significant failure in the spring of 2023
- Town staff noted other areas that were likely to fail in the nearer term.
- Resulted in a boil water order.

1st Pipe Failure and Pitting



Options

1. Replace the full length of ductile iron pipe
2. Replace the ductile iron pipe in sections over time
3. Do nothing



Options - Do Nothing

- The Do Nothing option is really the wait until another location(s) fails and fix the system piecemeal .
- Low initial cost
- Higher costs over time and likely to have problems for years to come including the need for boil water orders.
- In the end will have a pipeline with lots of repair couplings and pieces of new pipe.

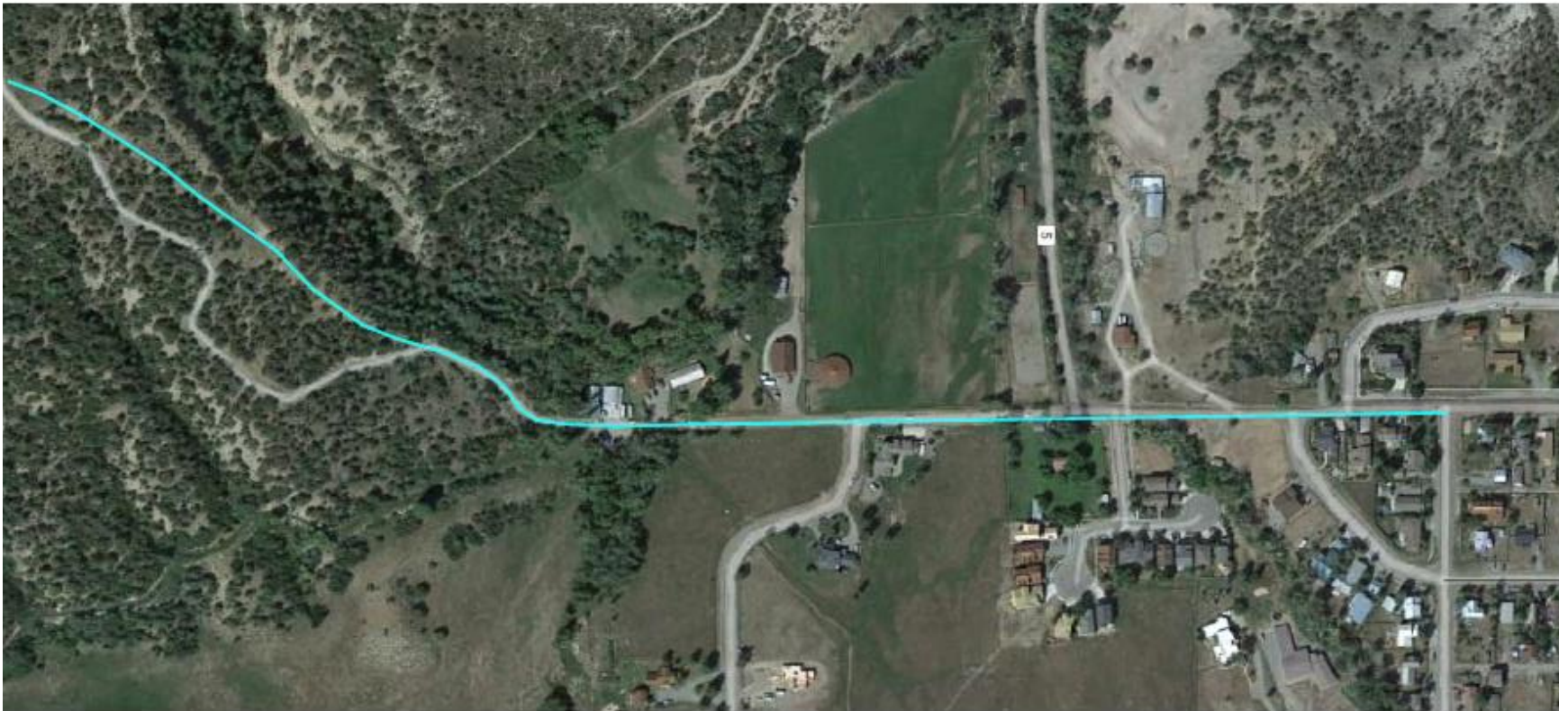
Options – Replace sections of pipe at a time

- This option spreads the cost out over time, but it is likely that a section not replaced could fail while waiting for its section to be replaced.
- Likely to cost more overall doing the work piecemeal.
- The Town has other water projects to complete and spreading out this project will take resources away from the other projects.

Options – Replace the entire pipe at once

- This option has the highest initial cost but is a more comprehensive solution.
- Likely the total cost would be less than a piecemeal approach
- Reduces the risks going forward that the line would need to be removed from service

Selected Plan – Comprehensive Solution



Preliminary Project Cost Estimate

Detailed EIAF Budget				
		<u>Qty</u>	<u>Unit \$</u>	<u>Extn</u>
Pipe replacement 14" HDPE		2200	170	\$ 374,000
Pipe replacement 10" C900		1400	155	\$ 217,000
Temp Bypass		3600	43	\$ 154,800
Reconnect PRV Stations		2	16000	\$ 32,000
Reconnect pressure relief		1	5000	\$ 5,000
Reconnect water mains		4	8500	\$ 34,000
Reconnect taps		12	2000	\$ 24,000
Cottonwood Creek Crossing		30	750	\$ 22,500
Master Meter		1	35000	\$ 35,000
Mobilization		1	104000	\$ 104,000
Contingencies		0.2		\$ 200,460
Total Construction				\$ 1,202,760
Project Management & Oversight				\$ 47,240
Total Budget				\$ 1,250,000

Potential Funding Scenario

- DOLA Energy and Mineral Impact Assistance Program Funds
 - \$600,000 Impact Grant
- CDPHE State Revolving Loan Fund
 - \$650,000 Loan at 3.2% for 20 years
- Debt Service ~ \$44,100 per year

Impact on Rates

- No change in operating costs
- Additional debt service - \$44,100 / year (assume 750 equivalent taps) -> ~ \$4.90 / month based on assumptions above.
- CWRPDA is not requiring a rate increase specific to this project, but with future projects in mind, staff intends to evaluate both water and sewer rates later this year.

Implementation Plan

- Prepare PNA – Submitted 1/10/24
- Prepare DOLA grant app – Hearing 2/28/24
- Prepare Plans and Specs – ~3/30/24
- Prepare Loan App – Submit ~3/15/24
- Bid Project – Spring 2024
- Construction Begin – July 2024
- Construction Complete – November 2024
- QUESTIONS???

