



To: Mountain Regional Water Administrative Control Board Members
From: Sam Grenlie
Date: October 24th, 2024
Re: Engineering Department Update

OVERVIEW OF PAST MONTH:

1. Engineering and Capital Projects

a. Capital Projects:

- i. **Old Ranch Booster Pump Station Upgrades:** We continue to make progress, with the second surge tank now installed in the lower level of the pump station (see photo in this report). The tank has been connected to the bulk nitrogen system, and we are currently soliciting bids to complete the mechanical piping needed to activate the surge tank. The remaining scope for 2024 is minimal, and procurement is underway for the electrical upgrades planned for 2025.
- ii. **Silver Creek Paving:** The paving has been completed, marking a significant improvement at one of the District's most heavily used facilities. Drainage issues have been resolved, and access to the vacant area of the site has been preserved, ensuring operational continuity until the shop is completed and active at the new District campus.

b. Engineering and Design Studies

- i. **Matterhorn Terrace Water Line Replacement:** This project is progressing in collaboration with Summit County. The County is currently soliciting bids for survey and geotechnical engineering services ahead of a tight design window this fall. This project presents a valuable opportunity for Mountain Regional to address a

deficient section of the water system without the additional costs of replacing roadway or drainage infrastructure.

- ii. **Asset Management Systems (AMS):** Our effort to implement an Enterprise Asset Management (EAM) solution is moving forward. After evaluating 11 proposals and conducting in-person demonstrations with four finalists, staff selected OpenGov based on its platform and competitive pricing. We are currently finalizing the scope of work for the software implementation, which will be presented to the Board for approval in a future purchase order.

2. Water Quality

- a. **Signal Hill Water Treatment Plant Design:** Staff continue to collaborate with our consultant, Carollo, on refining bench testing and operating a full-scale direct filtration pilot. Carollo is expected to present their findings from the alternatives analysis, which was initiated at the September Board meeting, at the December meeting.
- b. **Lead Service Line Inventory:** Mountain Regional has completed the first iteration of its Lead Service Line Inventory. This multi-year effort involved multiple departments, with Customer Service and Technology thoroughly reviewing records to document many laterals, and Operations conducting the final field verifications. With over 5,000 service laterals reviewed, this has been our most significant compliance effort during my time with the District. The fact that this project was completed entirely in-house, without external support, is a testament to the dedication and collaborative efforts of the District's staff.

3. Development and Miscellaneous

- a. No critical updates.

FOCUS FOR NEXT MONTH:

1. Continue to maintain schedule on the Carollo design effort.
2. Finalize budget, schedule, and scope for the 2025 capital projects.
3. Estimate 2025 design budgets and prepare proposals for January execution.



The suction side surge tank waiting for mechanical fabrication (upper left).

Before and after construction of the liquid nitrogen tank enclosure (middle right and lower photo).

