



To: Mountain Regional Water Administrative Control Board Members
From: Sam Grenlie
Date: August 15th, 2024
Re: 2024 Capital Project Quarterly Update

Background

This memorandum is a quarterly update to the District's 2024 engineering, construction, and improvement projects. These projects are broken into three 'tiers' (see explanation in blue) below.

This is solely for the Board's information, and there are no action items requested.

Tier 1 Projects (criteria listed below):

- Quarterly Board updates minimum.
- Contract amount 5% of District annual operating budget, or greater.
- Generally large, bid construction projects with external management support.

No significant bid projects this year.

Tier 2 Projects (criteria listed below):

- Annual Board summary, updates as necessary.
- Moderate sized, bid construction projects with partial external management support.

1. Sage Hills Estates Betterment

a. Project Summary:

- This project has reached completion and has been conditionally accepted by the District. Promontory included this work as part of a betterment to the Sage Hills Estates Subdivision. This project has successfully created a new pathway for water from the Signal Hill Water Treatment Plant (SHWTP) to the Atkinson Zone. This eliminates a single point of failure in the transmission system and has been put in operation during peak season.

b. Budget:

- Budget \$168,381
- \$168,381** spent (completed on budget)

c. Schedule:

- Completed.**



**Sage Hills Control
Valve Building**

2. Browns Canyon Connection Betterment

a. Project Summary:

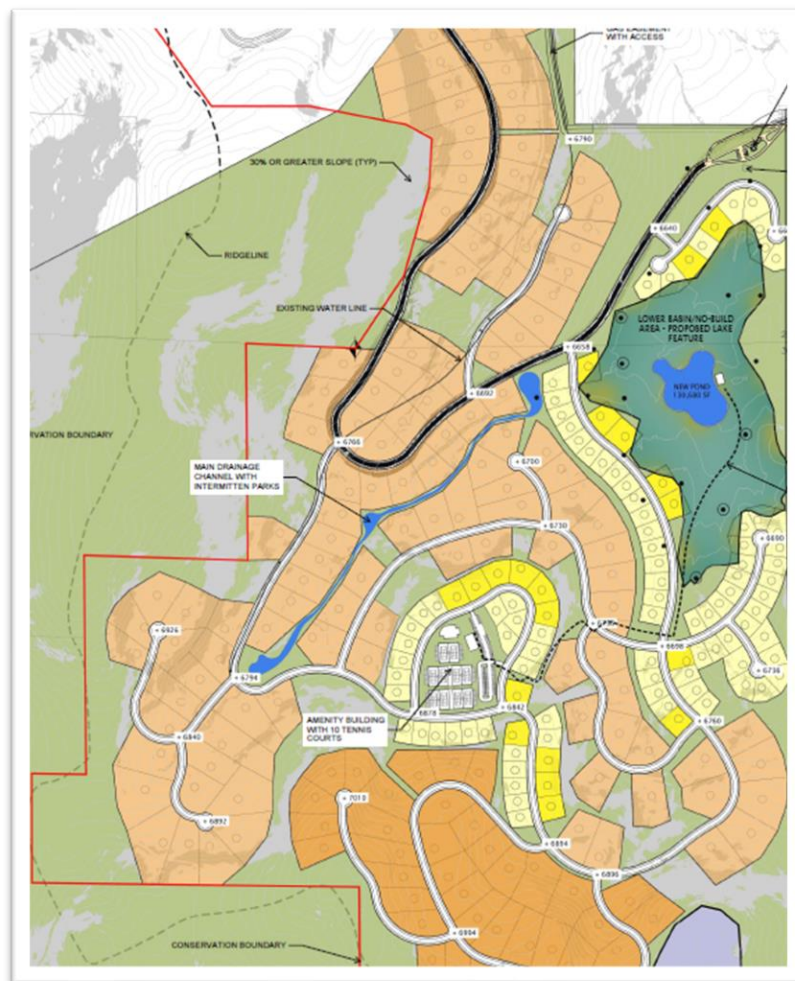
- i. This project is also a betterment tied to Promontory's extension of their roadway, Painted Valley Pass, to the southeast terminating at Browns Canyon Road. Mountain Regional has reviewed a preliminary plan set and provided comments to their design engineer. The concept of this project remains the same: upsize a water line to accommodate any future growth in the District along the Brown's Canyon corridor.

b. Budget:

- i. \$403,000 (subject to change with new alignment)

c. Schedule:

- i. Due to limited information, there is no anticipated schedule currently (end of construction season 2025 is most likely)



**Concept Plan for South End of Promontory
(Egress Shown in Black)**

Tier 3 Projects

- Annual Board summary at a minimum.
- Mountain Regional internally managed system upgrades and construction.

1. Old Ranch Booster Pump Station Upgrades

a. Project Summary:

- i. The largest project (by budget and effort) is the upgrades to Old Ranch Booster Pump Station. This is managed by Mountain Regional and has four objectives as follows:

1. **On-site generator** will be installed on site along with all necessary electrical improvements. A specification to select the generator has been completed. Procurement is currently under way. Predicted lead times from the electrical equipment are anticipated to run through the end of 2024. This will result in electrical improvements being completed in 2025 and this portion of the project carried over to next year.
2. **Surge** improvements are planned on the suction side of the pump station. The new surge tank has been designed and is in production. Both surge tanks (suction and discharge) are going to run off a new bulk nitrogen system. Mechanical modifications are largely complete and the nitrogen system is currently functional.
3. **Mechanical** improvements are also being completed to allow for water to flow both directions across the pump station. This is being completed by retrofitting a control valve, which will allow water to flow from the White Pine Tank (discharge side) to the Atkinson Zone (suction side) in the case of an emergency.
4. **Paving and access** improvements are also beginning at the start of August. Parking and access will be paved with critical system valves collared and brought to grade. An access path will also be created to accommodate the bulk nitrogen tank and generator.

b. Budget

- i. \$1,200,000 (update to be provided at end of year)

c. Schedule:

- i. Mechanical and site improvements to be completed in 2024. Installation of electrical equipment will run into 2025 based on procurement and lead times.



Site Work in Progress at Old Ranch Booster Pump Station



2. Sun Peak Well 2

a. Project Summary:

- i. Sun Peak Well 2 has been rehabilitated in 2023 and electrical improvements have been completed in 2024. An Operating Permit with the Utah Division of Drinking water has been finalized and this well is being utilized during the current peak season for the first time in over 10 years. This project was a large improvement with Operations installing new drainage and 'pump to waste' lines. The Technology team installed new electrical and SCADA panels. Ventilation was also improved, making a safer working environment in the vault.

b. Budget

- i. Budget \$200,000.
- ii. Spent to date: **\$147,744** (\$52,256 currently under budget).

c. Schedule:

- i. **Completed.**



New Telemetry, SCADA, and Electrical at Sun Peak Well 2

3. Summit Park Wells Rehabilitation and SCADA:

- a. Project Summary:
 - i. This project includes two primary components:
 - 1. Summit Park Well 2 has been brushed and bailed. It is currently getting a new pump and motor installed. SCADA upgrades are still planned to allow well operation remotely during peak season.
 - 2. Summit Park Well 5 has also been brushed and bailed. A new pump, motor, and discharge column have been successfully installed. This well is not receiving SCADA upgrades and will remain for emergency use only and run manually.
- b. Budget
 - i. \$130,000 (update to be provided at end of year)
- c. Schedule:
 - i. Completion by end of year 2024.

4. Lost Canyon Transmission Line Gate Valve

- a. Project Summary:
 - i. We are planning on installing an isolation valve along the Lost Canyon Transmission Line. Currently, there are no isolation valves between Promontory and the Lost Canyon Booster Pump Station. This is a 5-mile, 24-inch diameter water transmission line without any isolation or check valves. The isolation valve has been procured and a contractor selected for the work.
- b. Budget
 - i. \$120,000 (no changes)
- c. Schedule:
 - i. Targeting a low demand period in November. Project to be completed by the week of December 2nd

5. Silver Creek Paving

- a. Project Summary:
 - i. The Silver Creek Tank and Booster Pump Station site is critical for current Operations and acts as material and vehicle storage. This paving design is completed. The District is soliciting bids to complete the preparation, paving, and drainage work this year after the site receives a fence and gate.
- b. Budget
 - i. \$200,000
- c. Schedule:

