



To: Mountain Regional Water Administrative Control Board Members
From: Sam Grenlie
Date: December 12th, 2024
Re: 2024 Capital Project End of Year Summary

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 into operation.

b. Budget:

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

c. Schedule:

- Completed**



**Sage Hills Control
Valve Building**

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:
 1. **Surge** improvements are nearly completed on the suction side of the pump station. Both surge tanks (suction and discharge) are currently plumbed to run off the bulk nitrogen system. One more mechanical install will complete the new surge retrofits.
 2. **Mechanical** improvements are completed to allow for water to flow both directions across the pump station via a flow control valve. This will allow water to flow from the White Pine Tank (discharge side) to the Atkinson Zone (suction side) in the case of an emergency.
 3. **Paving and access** improvements are completed. Parking and access have been paved with system valves collared and brought to grade. An access path was created to accommodate the bulk nitrogen tank and future generator location.
 4. **On-site generator** will be installed on site along with all necessary electrical improvements in 2025.

b. Budget

- i. \$1,200,000 budget
 1. \$175,161 spent to date
 2. Revised total budget \$1,100,000 after 2024 savings

c. Schedule:

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



**Old Ranch with
new paving,
access, and
covered nitrogen
tank (lighter
colored siding).**

**Bottom picture
showing the new
surge tank ready
to connect.**

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 was utilized during 2024 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. **\$147,744** spent

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, bailed, and videoed. A new pump and motor has been installed. This well and pump station will also receive electrical and SCADA upgrades in 2025.
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.

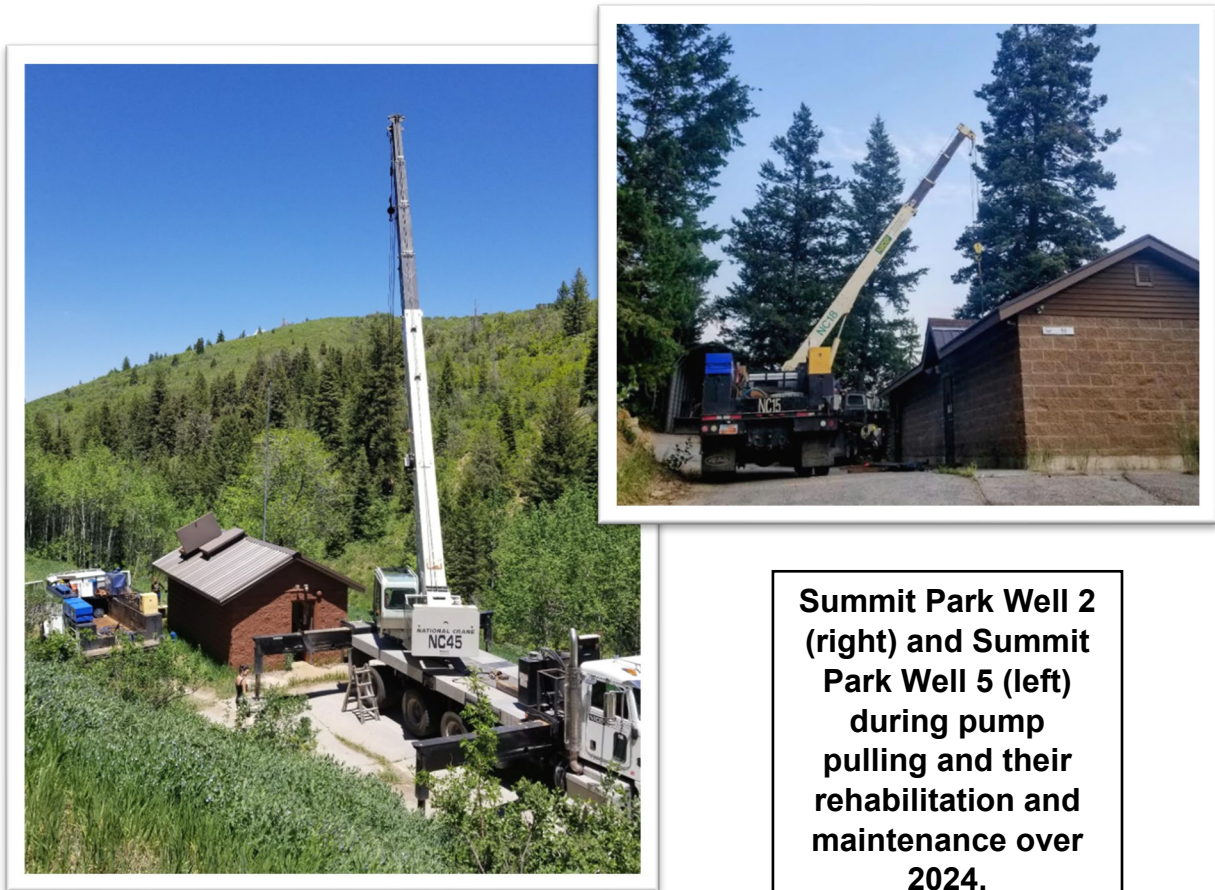
b. Budget

i. \$130,000

1. Summit Park Well 5: \$45,152
2. Summit Park Well 2: \$20,078
 - a. **\$64,770** in savings largely due to electrical and SCADA improvements moving to 2025.

c. Schedule:

i. **Completed**



4. Lost Canyon Transmission Line Gate Valve

a. Project Summary:

- i. A new, isolation valve was installed along the Lost Canyon Transmission Line. Previously, there were no isolation valves between Promontory and the Lost Canyon Booster Pump Station. This is a 5-mile, 24-inch diameter water transmission line. This work was completed with minimal downtime for the Lost Canyon Booster Pump Station.

b. Budget

- i. Budget \$120,000
- ii. \$33,244 spent to date
 1. \$31,798 planned remaining spend in 2024
 2. Projected **~\$54,000** in savings

c. Schedule:

- i. **Completed**



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 and drainage project has been completed and ready for winter season.

b. Budget

- i. \$80,000 in paving projects
- ii. **\$90,798.25** spent
 1. This project was initially conceived to be done in pieces, but the decision was to complete a long-term solution and absorb the price increase through savings on other projects.

c. Schedule:

i. Completed



**Paving and drainage improvements at Silver Creek.
Relocated material storage shown in upper photo.**



