



To: Mountain Regional Water Administrative Control Board Members  
From: Sam Grenlie  
Date: May 23<sup>rd</sup>, 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:

- i. This project is nearly completed by Promontory as part of a requested betterment to the Sage Hills Estates Subdivision. This project creates an alternate pathway for water from the Signal Hill Water Treatment Plant (SHWTP) to the Atkinson Zone. This is a critical upgrade to the system at reasonable costs via partnering with Promontory. Currently all flows into Atkinson pass through a single flow control valve in the Spine Booster Pump Station. The control valve building is waiting for SCADA panels and the Contractor has been given a final punch list by MRW.

b. Budget:

- i. \$168,381

c. Schedule:

- i. Construction is expected to be completed in June and Promontory must finish the betterment prior to building on the remaining lots in Sage Hills.



**Sage Hills Control Valve Building**

## 2. Browns Canyon Connection Betterment

### a. Project Summary:

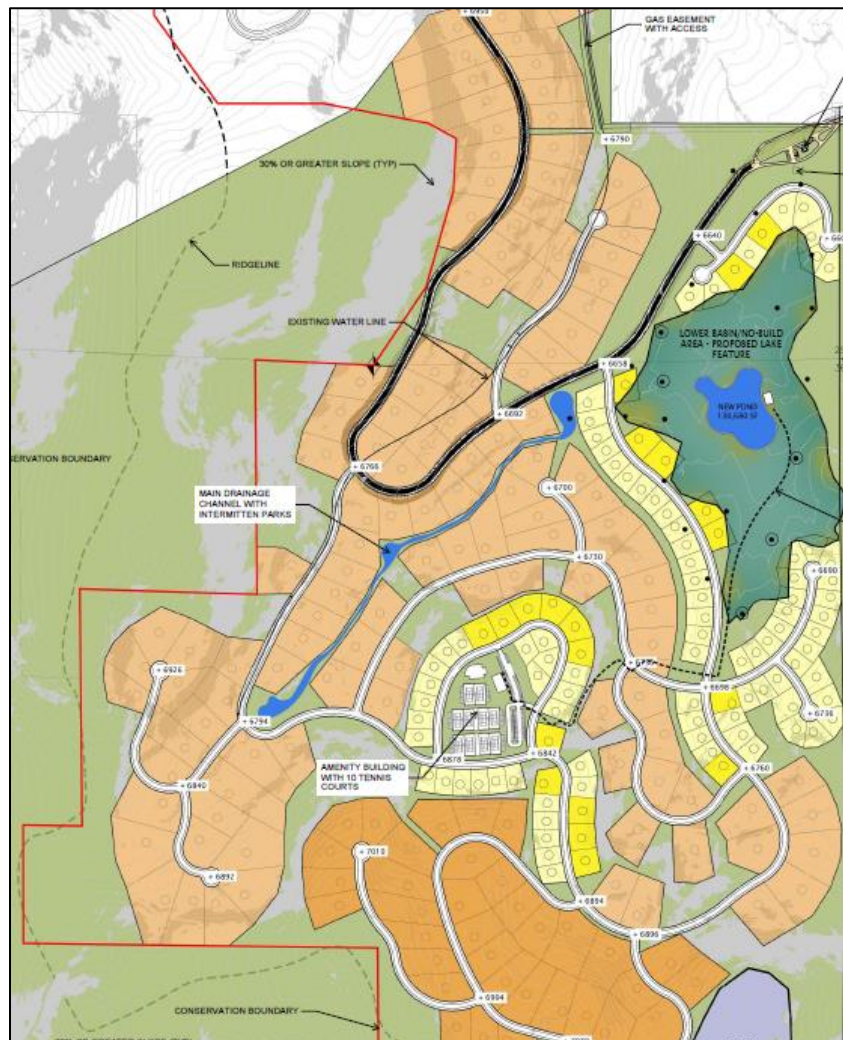
- i. This project is also a betterment tied to Promontory's extension of their roadway, Painted Valley Pass, to the southeast terminating at Browns Canyon Road. Promontory does have a revised concept for their roadway and it is currently in design. The District will continue to hold a budget figure here for 2024 as more information becomes available.

### b. Budget:

- i. \$403,000

### c. Schedule:

- i. Due to limited information, there is no anticipated schedule currently.



**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) are the upgrades to Old Ranch Booster Pump Station. This is managed by Mountain Regional and has three primary objectives:
  1. An on-site **generator** will be installed on site along with all necessary electrical improvements. A specification to select the generator is being finalized and procurement will start shortly. Predicted lead times from the electrical equipment are anticipated to run through the end of the year. This will result in electrical improvements being completed in 2025.
  2. **Surge** improvements are planned on the suction side of the pump station. The bulk nitrogen tank is scheduled to be installed in May with the mechanical and piping modifications to follow.
  3. **Mechanical** piping is has been reconfigured to accommodate the surge equipment. There will be futher field fit mechanical work once the new surge tank is delivered and installed to complete this portion of the project.

##### b. Budget

- i. \$1,200,000

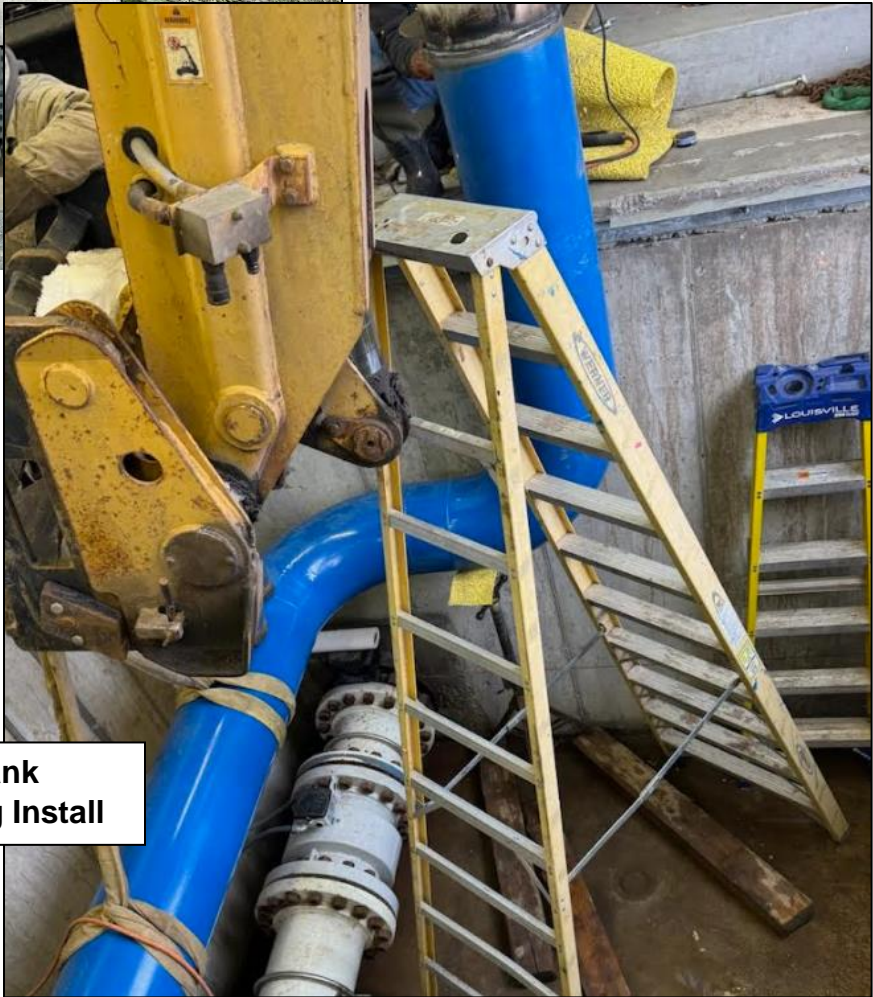
##### c. Schedule:

- i. Mechanical and site improvements to be completed in 2024. Procurement (in progress) and installation of electrical equipment will run into 2025 based on lead times.





**Completed Site Work for Bulk Liquid Nitrogen Tank**



**New Surge Tank Mechanical Piping Install**

## **2. Sun Peak Well 2**

- a. Project Summary:
  - i. Sun Peak Well 2 was an inactive source in the Sun Peak area. This well has been rehabilitated in 2023 and electrical improvements have been completed in 2024. An Operating Permit with the Utah Division of Drinking water is the final hurdle to clear and we are awaiting lab results to submit for the Permit.
- b. Budget
  - i. \$200,000 (carried over from 2023)
- c. Schedule:
  - i. Well permitted by the end of May.

## **3. Summit Park Well 2 Rehabilitation and SCADA:**

- a. Project Summary:
  - i. This project includes two primary components:
    - 1. Summit Park Well 2 is located inside the Crestview Booster Pump Station. The well electrical is outdated and needs to be incorporated into the SCADA system to help ease of operation.
    - 2. Summit Park Well 2 is targeted for rehabilitation this year with the District's increased focus on maintaining groundwater resources. This will include basic maintenance of the well and a video log before any additional decisions are made on additional rehabilitation.
- b. Budget
  - i. \$130,000.
- c. Schedule:
  - i. Substantial 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, which is a 5-mile, 24-inch diameter water transmission line. The isolation valve has been procured and a contractor selected after multiple bids.
- b. Budget
  - i. \$120,000
- c. Schedule:
  - i. Targeting a low demand period in November. Project to be completed by the week of December 2<sup>nd</sup>.

#### **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 at 90% level and the District is soliciting bids to complete the preparation, paving, and drainage work this year.
- b. Budget
  - i. \$200,000
- c. Schedule:
  - i. Targeting completion by October 15, 2024.

