

## **Town of Alpine Engineer's Report to Town Council**

Meeting Date: June 18, 2024  
Submitted By: Kevin Meagher, Project Manager  
Reviewed By: Vera Donovan, Project Assistant  
Prepared On: June 12, 2024

### **SUMMARY OF TASKS COMPLETED TO DATE**

#### **1 – Water Fund**

1. AMI Radio Read Project:
  - The team is working on the design and electrical requirements of the gateway towers at the Town Shop and Ferry Park.
  - Exterior vault inspections were completed and will be included in the plan set. Draft Plan documents and specifications are under review.
  - Town will install all water meters 1" and smaller. Contractor will still provide meters.
  - Project is to be bid out the end of June. The State will review proposals in July and a contractor can be awarded after that.
  
2. Water Model:
  - No updates on water modeling.
  - Level I Water Master Plan should yield an updated model.
  
3. Development Reviews:
  - Jorgensen recently finalized review of the Lasher Town Homes with the updated Fire Flow information.
  - The Extended Stay Project review was finalized with updated information from contractor/owner. Alpine Lakes recently applied for annexation into the Town; engineering review and comments are being finalized for submittal to the Town.
  
4. Mr. Corsi's Pulsating and Air-Entrained Water Issue:
  - a. Public Works replaced two meter pits, meters, back-check valves, and a section of leaking water pipe.

5. Water Rights and “Mega Well System”

- a. Jorgensen met with Town staff to view water infrastructure associated with the Excel Development No. 1 Well (aka “Mega Well”) at the Alpine Lakes Subdivision, Targhee Place, and Gibby Acres.
- b. Jorgensen continues to consult with the State Engineer’s Office (SEO) to determine the best process forward of integrating the Mega Well into the existing Town municipal water system.
- c. Several water right discrepancies will need to be corrected with the SEO.
  - i. The Mega Well permit is unadjudicated
  - ii. The existing municipal well permits do not allow use North of the Snake River/Palisades Reservoir.
  - iii. The SEO will require a revised municipal service area to include Sections 17, 18, 19, 20 (north of the Snake River, bounded by the WY-ID state line), and bring the existing municipal system into compliance.
  - iv. Town’s legal counsel has been asked for documents certifying ownership of easement to Mega-Well and adjacent wastewater lift station.
  - v. Flying Saddle water well rights and usage are being investigated

**2 – Sewer Fund**

1. Pre-Treatment Building Update:

- Building construction
  - The generator’s automatic transfer switch was energized, and it burned up the control panel. Jorgensen is filing a warranty claim with manufacturer.
  - HVAC ventilation system installation continues.
  - Jorgensen sent general contractor observation list. One item was taken care of to date.
  - Jorgensen noted on the observation list that the substantial completion date is June 30<sup>th</sup>.
- Process Piping System Construction
  - Cambrian Innovation provided their adjusted drawings.
  - Precision Electrical provided an estimate to install the electrical, mechanical and construction work for \$508k (this includes a 125% performance bond).

2. WWTP DEQ Permit Renewal:

- DEQ permit renewal was completed in December and we are waiting on DEQ for comments or renewal.

3. Sewer Utility Financial Plan:

- Midwest Assistance Program (MAP) is creating a Sewer and Water Rate Study at no cost.

4. Sewer and Water Geographical Information Mapping:

- Midwest Assistance Program (MAP) was in Town last week to gather GIS data.

### **3 – Miscellaneous Work:**

1. Jorgensen attended an annexation meeting concerning Zyland property.
2. Jorgensen has provided FY25 budget, cost estimates for Pretreatment Plant Completion, and Capital Improvements.
3. Jorgensen met with Musgrove Engineering at all lift stations and Greys River Well house. Musgrove Engineering will provide documents for generator sizing and bidding.
4. Jorgensen is advertising for the wastewater lift station portable generator
5. Jorgensen has finished the construction standards for the water and sewer systems and has forwarded to Town staff for publication.
6. Jorgensen has updated the Zoning map for the existing Town limits and is working on the future zoning map. Awaiting comments from the Town on the zoning map.