

## WATER

## SEWER

## POOL

### WWTP--Major Tasks Worked On:

1. Continued installation of fixed mechanical aerators.
2. Blower building equipment and pads, CMU walls, and roof have been installed.
3. Influent flow meter has been installed.
4. Clarifier launder trough was poured.
5. Clarifier leakage testing was performed and passed.
6. Installation of clarifier mechanical internals has begun.
7. Piping and pump installation continues in the sludge pumping building.

### Collections--Major Tasks Worked On:

1. RTA completed the Gunsmith Way sewer improvements.
2. RTA completed Open-Cut Spot Repair 1 on Main Street.
3. RTA completed an additional open-cut spot repair that was unable to be completed by an internal repair method.
4. The asphalt paving subcontractor, Eagle Paving & Grading, installed permanent pavement at various work sites previously constructed. These included the Sapphire Road sewer replacement site, Sapphire Road water main relocation site, Open-Cut Spot Repairs 1, 2, and 5, and four locations where rod holes were removed and replaced to facilitate CIPP lining installations.
5. RTA completed installation of concrete collars around new Manhole 5A on Modoc Street, new Rod Hole 5B on Gunsmith Way, new cleanouts installed as part of Open-Cut Spot Repairs 2 and 5, and the four new rod holes listed above as well as new Rod Hole 51E on Timber Drive. RTA also installed a concrete collar around the valve box installed to facilitate the Sapphire Road water main relocation effort and replaced a section of concrete driveway that was damaged during construction.

The Pool Opening was on June 11<sup>th</sup>, 2023. There was a great turnout.

Discuss Pool season with pictures and include dedication to Lola Harris.

### CURRENT GRANT PROJECTS

- Wastewater Treatment Plant Improvement Project (\$8,725,696)
- Collection System Improvement Project – Phase 2 (\$1,775,000)
- Furry Friends Playground Project (\$177,952)
- Civic Park Improvement Project (\$850,000)

### COMPETED GRANT PROJECTS

- Well 9 Improvement Project – Planning and Design (\$500,000)
- Water Meter Replacement Project – Phase 1 (\$718,477)
- Burney Regional Community Fund – Climbing Rock Wall (\$7,500)

### PENDING GRANT APPLICATIONS

- Water System Improvement Project (Approx. \$14M)
- Well 9 Construction Project (\$4,690,000)
- Washburn Bue Park (\$3,000,000)
- Water Meter Replacement Project Phase 2 (\$185,188)

## PARKS

### Furry Friends Playground Update

Ray Excavating and Grading, Inc. was awarded the Bid for construction of the Dog Park. The notice to Proceed was signed and construction will begin in either August or September 2023.

### Civic Park Awarded Grant Funding

The Burney Water District was awarded \$850,000.00 from State of California - Natural Resources Agency Department of Parks and Recreation through the 2018 Parks Bond Act, Statewide Park Development and Community Revitalization.

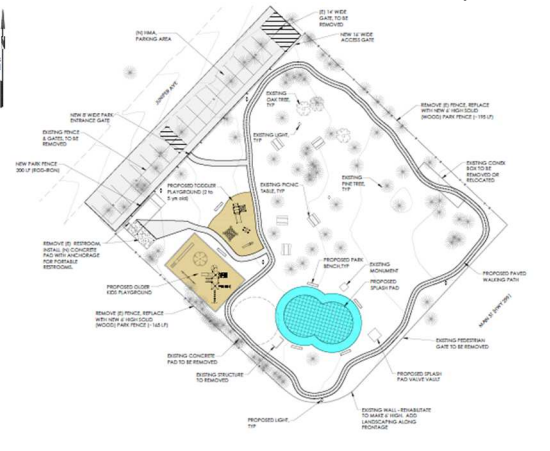
The Grant Scope includes:

Recreation Features:

- Construct new Splash Pad.
- Construct new playground areas with lighting.
- Construct new walking loop with lighting.

Major Support Amenity:

- Construct a new parking area with lighting.
- Construct a new fence around entire park.



Conceptual Site Plan for the Civic Park

## EXPLORERS CORNER

Dicalite Minerals LLC is a diatomaceous earth (DE) mining and processing company located near Burney CA, mining diatomite which was formed in the Pit River Diatomite Deposit. From this location we ship industrial filteraids and fillers all over the world. Currently, Dicalite directly employs ~70 people.

Mining first occurred on this property in the 1920's. The Shasta Silica Co made polishing materials until it was closed during the Great Depression at this site. Dicalite's parent company purchased the properties in the 1950's. The company then performed geologic and environmental explorations in the 1970's and constructed the processing plant in 1985. This location has been active since.

There are thousands of uses for diatomaceous earth (DE). Two major categories include industrial filtration which is making cloudy liquids clear, and as white fillers.

- Filtration uses include water, fruit juices, beer, wine, corn syrups, vegetable oils, petroleum, pharmaceuticals, sugar, latex, biofuels, etc.
- White Fillers produced at Dicalite include white fillers from this location which are used to make paper and plastic white, cosmetic makeup, dental compounds, plastic anti-blocking, natural insecticides, etc.

Geology of the Pit River diatomite deposit:

Diatomite is a lightweight sedimentary rock composed of the siliceous remains of diatoms – a variety of algae. Diatomite is the source rock/ore of diatomaceous earth. Diatomite ranges in color from white to light gray with yellowish, green, brown, and black varieties occurring. It is the white rock you see between Hat Creek and Pit River bridges on Hwy 299.

The Pit River diatomite deposit appears to be over 500 feet thick. The USGS has estimated the depositional rate at 1 inch per 125 years for this deposit. The ancient lake covered over 120 square miles between 1 to 3 million years ago. There have been two different articles written in California Geology about the Pit River Diatomite deposit.

There are basically two diatom species in this deposit, a disc shaped diatom called *Stephanodiscus* and a tubular shaped diatom called *Melrosira*. These are varieties of freshwater diatoms

Information Completed by Doug Weatherspoon



## NEWSLETTER

Quarter 2 2023

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## Burney Water District Mission

We are committed to providing a safe and reliable water supply, environmentally safe disposal of wastewater, and responsible governance of our pools and parks.