

STAFF REPORT

TO: TOM DUBOIS, CITY MANAGER
MEETING DATE: OCTOBER 21, 2024
FROM: DAN LAFONTAINE, PUBLIC WORKS DIRECTOR
SUBJECT: PUBLIC WORKS DEPARTMENT REPORT FOR SEPTEMBER 2024

Objective: The objective of this staff report is to provide a monthly status update regarding activities within the Public Works Department.

Executive Summary: It seems like Summer just won't end but that is not stopping the PW team from starting to prepare for winter. We at public works have been hard at work clearing storm drains, identifying collection system pipes to clean, and working on projects to better fortify the City for the upcoming winter storms. We had the CalFire crews come into the creek and start working on clearing from the flushing dam to the WWTP. We are about 60% done and hope to have them back very shortly to finish up the work. We also completed a drainage project to rectify the lack of proper drainage from the Golden Hills Estates to the houses below. We have been working on gathering information on collection system piping problems and looking into replacing three or four problem areas along with performing cleaning of those areas. We will have all problem areas cleaned prior to the first storm of the season.

We spent a good portion of the beginning of September working on the ARSA system to perform weed abatement, remove the floating HDPE suction pipeline and get everything in shape for our annual Division of Dams safety inspection. This inspection happens every year and I am happy to say that all issues have been corrected from last year's visit and while we have not received the official report, we were told that there were no significant new issues to rectify. Great job on the preparation and a special thank you should be mentioned to the operators for all their hard work. We just completed a new storm drain for the

The Oro Madre overlay field work is complete, and the City has accepted the project as complete at the October 7 council meeting.

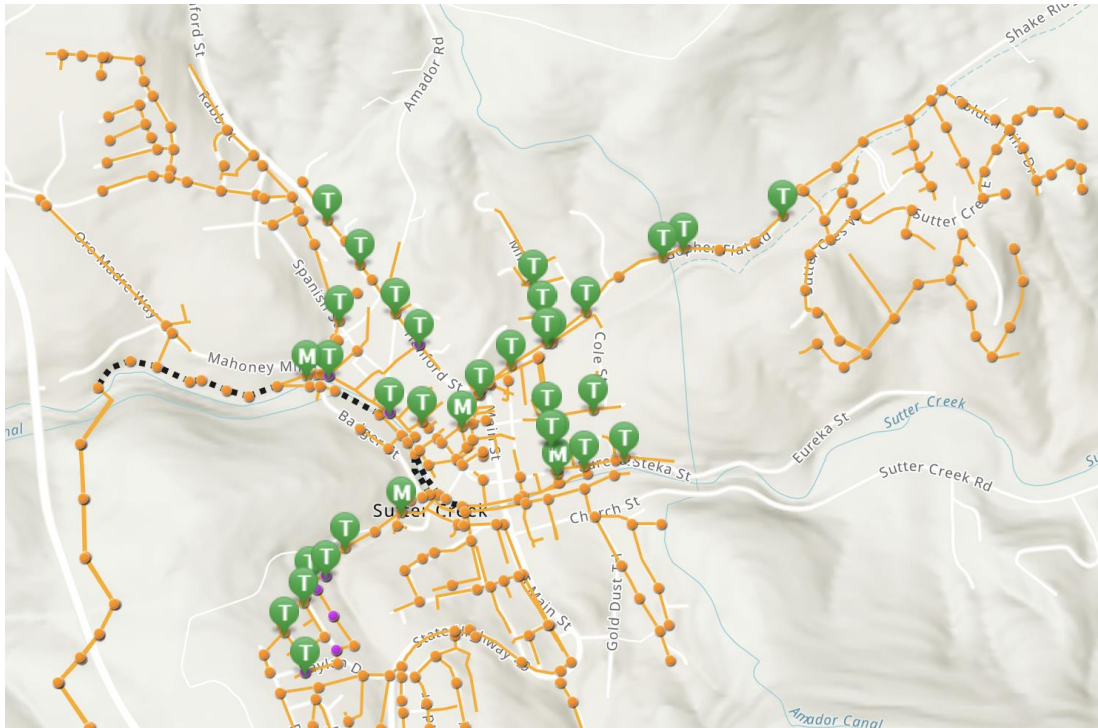
Upcoming: In the next month PW will continue with the Creek cleaning and should have cleared from the flushing dam to the WWTP. Depending on when the creek clearing permit is received PW will be allowed to schedule projects to clear saplings from the creek. The PW team will continue to clear storm drains and collection system lines in preparation for Winter. We will also be installing a new roof over the sludge wasting bin to keep the water out of the dewatered sludge. This will help save on costs (sludge wasting is charged per pound).

Detailed Summary: Below is a detailed summary and or status of the main PW responsibilities; Collection System, Wastewater Treatment Plant, Effluent Disposal, Streets and City Right of Way, Parks and Buildings, and Service Callouts.

Collection System Status:

CIP work

- Flow monitoring – During the week of September 23rd RH Borden installed 32 flow meters in the collection system. The flow meters will be left in place until we have sufficient storm data (anticipated to be 3 to 6 months). For the locations of the flow meters see the screenshot below:



Map of Flow Meter Locations



RH Borden Installing Flow Meters



Flow Meter Installation-Complete

SSMP Activity

Calls for service

- 9/5/2024; 154 Foothill Dr. plugged City main
- 9/12/2024: 460 Hwy 49, plugged City main
- 9/17/2024: 460 Hwy 49, plugged City main

Sewer System Cleaning and Maintenance.

- For September 2024, there was 280 feet of sewer line cleaned. The total amount cleaned for the calendar year 2024 is 10,933 feet. The total for calendar year 2023 was 31,023 feet. This PW team focuses on the most pressing known problem areas. In October the PW team will focus on our typical problem areas ahead of the winter months.

Wastewater Treatment Plant Status:

The WWTP met all the effluent quality discharge requirements for the month of August.

Table 1. Monthly Status of required reporting constituents.

Constituent	Monthly Results	Monthly Limits
Monthly Influent Flow	8.861 MG 0.295 MGD daily avg	0.48mgd ¹
Effluent BOD, mg/L	20 mg/L	30 mg/l
Effluent Settleable Matter, mL/L	< 0.1 ml/L	0.5 ml/l
Effluent TSS, mg/L	17 mg/L	30 mg/l
Total Coliform, MPN	2.0 mpn	23 mpn
Sludge Wasted	7,176 gallons	
Rain	0.0 in.	0.0 in. YTD –27.52” Last YTD ²

¹ The .48 MGD is daily dry weather flow (May through October).

²Year to Date (YTD) is Jan 2024 to current and Last YTD is 2023.

Plant Compliance Issues: The monthly August 2024 report was electronically submitted to the Regional Water Quality Control Board.

Operational Strategy Modifications:

- The rag bin was hauled on October 7, 2024.
- The recirculation pumps have been repaired and a new flow meter installed to account for recirculation flows. This repair will allow the operators to control the process giving us much better effluent by decoupling hydraulic loading from organic loading.
- The drum from the conveyor system replacement has been received. Installation preparations are under way and should be able to be repaired in October 2024. The operators created a new way to dewater sludge in the absence of the conveyor system. Sludge wasting will be limited until the conveyor system has been repaired.

- Roto strainers number 3 and 4 are currently being worked on at the contractor and will be shipped to the plant in October.
- The Aerator for the emergency pond has been disassembled and sent to the manufacturer to be repaired. We anticipate that we will have this back by the end of the year.
- The operators wasted sludge on a limited bases with a total of 7k gallons dewatered.

Effluent Disposal

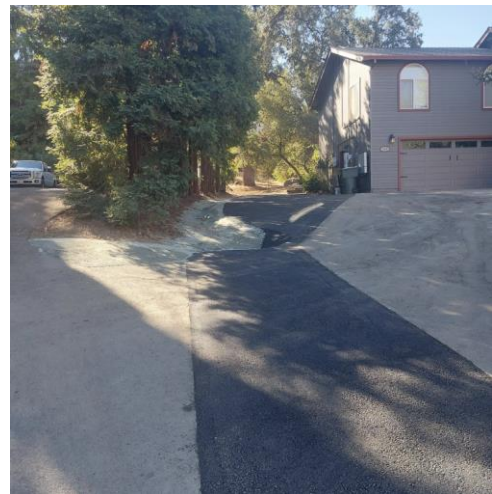
- Bowers and Hoskins irrigation were initiated for the season on June 3, 2024.
- Ione has received 250 acre-ft from the ARSA pipeline. Ione is requesting to switch back over to ARSA to take the remaining 50 acre-feet later in October.
- The annual Division of Dams safety inspection was held on September 18, 2024. No significant new issues were noted, and all previous issues were rectified.
- WGA completed a scope of work for the freshwater diversion. We have sent that to a few contractors and hope to get bids back by the end of October.
- Ongoing maintenance of the cattle water troughs along the pipeline. Irrigation sprinklers and valves are being repaired constantly
- Weed and rodent abatement at the three reservoirs. Weed eating has been performed on the inside and outside face of Preston reservoir.
- Send weekly updates to the Regional Board on reservoir levels and volumes.
- Daily flow checks and level readings.

Streets and City Right of Way.

- Oro-Madre Road – The project has been completed and the City has accepted the work.
- City Rover - The City has reviewed approximately 25 pothole instances identified by the program. About half of the reported instances were actual potholes. The legitimate instances were entered into our work program and have been fixed over the following weeks.
- Two of the redwood boards that line Main street were identified as being loose and creating a possible trip hazard. Cones were dispatched immediately, and the boards were replaced a few days later.



- Drainage has been installed at 310 Gopher flat. Previously black temporary irrigation piping had been installed and was beginning to fail and was not installed long enough to route storm drain flows to the creek. The City installed approximately 100 lineal feet of 18-inch CMP culvert and 30 lineal-feet of 24-inch CMP culvert and two drain inlets to properly route stormwater from Golden Hills Estates to the Creek. Completed project pictures are located below:



Parks and Buildings

- Play structures at Minnie Provis and Bryson each received a rinse due to resident complaints. Shortly after Graffiti was found on the Bryson play structure. Public works removed the graffiti as soon as possible.
- Graffiti was encountered in the Mini Provis park all over the boys bathroom. The graffiti was either removed or painted over.
- A new Doggy Waste Bag station has been installed on Main St and Eureka St.



- CalFire crews were onsite for a few days at the end of September to begin creek clearing. The crew began at the flushing dam and worked down about two thirds to Badger bridge. They also come on another day to work in a small area by the WWTP. The City permit application has been submitted for the Creek cleaning. An update from Fish and Game, their staff review was complete, and it is now on the managers desk, and a determination was due at the end of August. To date, the determination has not been received but we have been told that it should be finished by the end of November.



Service Requests

Responded to eleven service requests in August.

- Nine were for street issues;
- One was for a tree issue
- One was forwarded to Code enforcement
- One was for a sewer issue