



STAFF REPORT

TO: TOM DUBOIS, CITY MANAGER
MEETING DATE: SEPTEMBER 16, 2024
FROM: DAN LAFONTAINE, PUBLIC WORKS DIRECTOR
SUBJECT: PUBLIC WORKS DEPARTMENT REPORT FOR AUGUST 2024

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

Executive Summary: As summer rages on, we at public works are busy both in plain sight and behind the scenes to make sure all services and infrastructure perform properly. You may have seen the public works team and Cal fire working to reduce fire fuel at all City owned properties, switching the decorations from Summer to the transitional decorations in between Summer and Fall (see pictures below), or overseeing the installation of 120 yards of playground wood chips in both Minnie Provis and Bryson playgrounds. You also would not have seen us working behind the scenes to schedule flow monitoring in the collection system for the next rainy season, working on the Capital improvement plan to determine projects should be taken on next, driving around town to map all potholes in the roads, preparing for a Damn safety inspection for ARSA, and repairing critical pieces of equipment at the WWTP. Whether you see us or not be assured that we are working on the highest priority items to keep all the City functions working properly.

The Oro Madre overlay field work is complete, and the City is working with WGA to gain final acceptance. We understand that construction is an inconvenience to the residents on the road, but I think we all can agree that this project is was worth the hassle and a welcome change to what was there prior.

Upcoming: In the next month we should receive our creek clearing permit. Once that is in hand from the Department of Fish and Game the City will be allowed to schedule projects to clear and get to work on removing all that brush that has grown in the creek shores over the spring and summer. We will be clearing in preparation for the winter months to remove lose debris and some saplings that block flow in town and mitigate possible flooding. Look for the crews to be out in early October and November until everything has been cut back.

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 – The City has partnered with RH Borden to install flow meters to monitor Infiltration and Inflow (I&I) in the problem basins of the collection system (monitoring of 25K feet of pipe). A kickoff call is scheduled for the week of September 9th with deployment in October or early November.

SSMP Activity

Calls for service

- 8/27/2024; 60 Greenstone Tr. Plugged lateral

Sewer System Cleaning and Maintenance.

- For August 2024, there was 1,232 feet of sewer line cleaned. The total amount cleaned for the calendar year 2024 is 10,653 feet. The total for calendar year 2023 was 31,023 feet. This PW team focuses on the most pressing known problem areas. The goal is to remove problems not just to rack up footage.

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	9.959 MG 0.321 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	24 mg/L	30 mg/l
Total Coliform, MPN	< 1.8 mpn	23 mpn
Sludge Wasted	21,052 gallons	
Rain	0.0 in.	27.52 in. YTD –51.94” Last YTD

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

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

Operational Strategy Modifications:

- The rag bin was hauled on August 29, 2024.
- The drum on the sludge conveyor system broke free of the shaft and needs to be replaced (see picture below). The drum has been removed from the conveyor system and another drum is on order from the manufacturer. Sludge wasting will be limited during the conveyor down time which should be about 2 or 3 weeks.
- Roto strainers number 3 and 4 have been shipped from the manufacturer and are in transit to our plant. Once they arrive, we will begin the task of installation.
- A regular sludge wasting schedule was kept with a total of 21k gallons dewatered,

Effluent Disposal

- Bowers and Hoskins irrigation were initiated for the season on June 3, 2024.
- Ione continues to receive flows from ARSA at 0.3 acre-ft per day through August 1q, 2024. On August 1, 2024, Ione switched from ARSA to CDCR water. As of August 1, 2024, Ione has received 290 acre-ft from the ARSA pipeline.
- WGA and City staff met at the freshwater diversion to develop a plan to fix the diversion. The repair is a condition of the ARSA legal settlement.
- Ongoing maintenance of the cattle water troughs along the pipeline. Irrigation sprinklers and valves are being repaired constantly
- Performing weed and rodent abatement at the three reservoirs. Weed eating has been performed on the inside and outside face of Preston reservoir.
- Sending 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 - All fieldwork has been completed and the City is in final negotiations to close out the project.
- City Rover - The City has received a free trial of City Rover, a GIS based program that collects data by installing a camera in a vehicle and simply driving the roads. The program captures potholes and documents them for repair. The City currently has a 6-month trial pilot program to see the quality of data that we receive. The unit is mounted in the Parks and Rec vehicle and the team is working through all roads in the City. We hope to have lots of good data to help guide our road overlay decisions.
- Weed mitigation – The PW crew with Cal fire crews have performed weed abatement and or fire breaks at the newly donated land above the WWTP, at the Mine Site (ongoing due to the size of the weed abatement), Sutter Hill Rd (a few large trees were removed from the side of the road), and the corner property on Ridge Rd and Prospect drive.

Parks and Buildings

- Mini-Provis park women's bathroom sink has been fixed. The internals of the faucet were replaced with new valves.
- Play structures at Minnie Provis and Bryson each received 60 cubic yards of playground wood chips (see pictures below).
- The valve in the Baseball field at Minnie Provis park had been leaking in the infield. The issue was that a few pebbles had become logged in the unit causing the valve to seat incorrectly. The valve was disassembled, cleaned and reintroduced into service.
- The grammar school had a service alarm. The City was called out to silence the alarm. Signal service came out a few days later to reset the device.

- The City permit application has been submitted for the Creek cleaning. An update from Fish and Game, their review is almost over, and a determination was due at the end of August. To date, the determination has not been received.
- Volleyball is now an option for recreation in the auditorium. The net and pole setup has been verified and is ready for use in the future.
- The City Hall Sutter Creek Notice Sign has been refurbished (see below)

Service Requests

Responded to eleven service requests in August.

- Five were for street issues;
- One was for facility issues
- One was for a sewer issues
- Four were for tree issues;



Ore Cart - Transition Decorations



Minnie Provis Park Play structure with new wood chips



Bryson Park Play structure with new wood chips



Conveyor Drum



City Hall Sutter Creek Notice Sign