

# STAFF REPORT

## *City Council Consent Item*

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**DATE:** October 21, 2024

**TO:** Honorable Mayor and Council Members

**FROM:** Brendan Byrd, Public Works Director/City Engineer

**SUBJECT: Public Works/Engineering Department Monthly Report**

**STAFF RECOMMENDATION:**

Receive report as an informational item.

**EXECUTIVE SUMMARY:**

**Public Works Director/City Engineer**

City Hall Remodel Project

As noted in the General Services Divisions staff report below, the City Hall remodel project continues to progress. To date, paint and drywall repairs are nearly completed. The initial efforts in remodeling the bathrooms and the final electrical improvements will be complete the week of October 14th. The flooring contractor will mobilize to the site to prep and install the flooring in the bathrooms, the conference room/kitchen, and the entry way during the week of October 21<sup>st</sup>. The final items of work in order to get staff moved in will be the carpet, which is currently scheduled for the week of November 11<sup>th</sup>.

P-Street Sewer Replacement Project

The week of October 7<sup>th</sup> Mercer Fraser completed the installation of the directionally bored 6-inch sewer line that was added to the P-Street project as a change order. This approximately 300-foot section of line is that which was compromised during the landslide last winter, which exposed the existing line. City staff have since pulled out the temporary bypass system, and sewer flow has returned to normal operations. Final restoration and paving work at this location will occur when the P-Street portion of the work is complete, which should be by the end of October.

Jayce Court Major Subdivision

Wendt Construction has continued with their progress on the new residential subdivision off of Kenmar Road. Over the past month, City Engineering staff have inspected several portions of concrete curb and gutter, and also the new stormwater drainage system. The contractor is hopeful that the remaining subdivision work, which will include some grading, paving, striping, and a streetlight, will be completed this year.

### Monday Club Chimney

Staff anticipate that DCI Builders will be mobilizing to the site on October 16<sup>th</sup>. The current construction schedule would have the chimney reconstruction taking approximately 4-weeks, with the project anticipated to be complete in mid-November.

### Well 5 Replacement Project

As the Council may recall, in 2023 the City performed startup testing for a new well that was installed at the City's well field on Eel River Drive. While the development was successful, it was found that the well itself, which extended into the lower Eel River aquifer (called the Carlotta), was high in manganese. The level of manganese found was higher than the City's existing treatment system could handle. Last month, staff working with a contractor sealed off the lower portion of the well, and performed capacity and water quality testing on the upper portion of the well. Overall, the capacity was higher than expected (comparable to the City's best single-performing well), and the manganese levels were significantly lower. With this result, staff will be moving forward with our engineering consultants to perform the final design for piping the well into the City's water treatment system. Staff are hoping to have this project in construction next year (2025).

### Storm Damage Bank Repairs

Over the past month staff have been working with the City's contractors to complete bank repairs along Rohner and Jameson Creek, both of which experienced failures in last years' heavy rains. The bank repair behind the Cook Shack in Rohner Park was completed the week of October 8<sup>th</sup> (see photo below), and the failure along South Loop Road is anticipated to be completed by October 18<sup>th</sup>.



**Utilities Division**

**Water Distribution System**

- The utilities crew began work on the Carson Woods Road water line replacement project on September 5<sup>th</sup>. The utilities crew had two uninterrupted weeks dedicated to this project this month. On multiple occasions, other utilities, such as gas lines and existing water service lines crossed the excavation area, slowing progress in order to prevent damage to utilities. Despite these setbacks, the utilities crew has installed approximately 500-feet of waterline, about 1/3 of the overall project, (see photo inset right).
- The utilities crew preformed a waterline shutdown on Smith Lane for Hooven Construction for a tie in to supply the new development with water. Hooven Construction installed a tee with gate valve. The shutdown lasted for 4.5 hours and affected 46 residences. The utilities crew also abandoned a 2-inch waterline that was found on the property.
- Staff has been working to complete the Lead Service Line Inventory and are on track to complete the inventory before the deadline of October 16, 2024.
- The utilities crew read meters, changed out six dead meters, and completed the meter worksheet.
- Backflow testing kits have been sent off for recalibration, this occurs annually.
- The utilities team installed no new services in the month of September.
- The utilities crew completed 33 shutoffs for nonpayment



The Utilities crew repaired two leaks during the month of September, the following table shows the details:

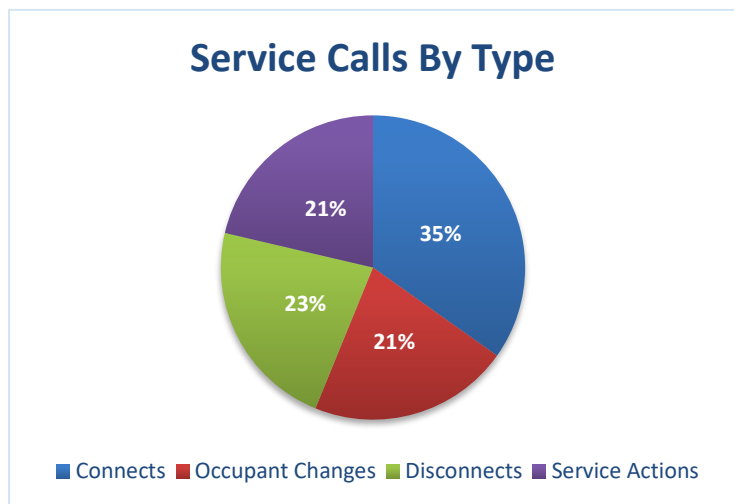
<b>Date</b>	<b>Location</b>	<b>Pipe Information</b>	<b>Estimated Leak Rate (Gallons per Minute)</b>	<b>Leak Duration</b>	<b>Total Estimate Leak Volume (Gallons)</b>
9/24/2024	Smith Lane	2" PVC	674	20M	20,220
9/30/2024	Garland Ave	3/4" Thin Blue Plastic	15	3D	64,800

## Wastewater Collection System

- Daily sewer pump maintenance on Manhole-1098 (located on hill above the intersection of 9<sup>th</sup> Street and Christian Ridge Road).
- There were zero sewer plugs and zero Sanitary Sewer Overflows (SSOs) in September.
- The utilities crew cleaned 5,000 feet of sewer lines.
- A contract crew (APS Environmental) arrived on September 30<sup>th</sup>, they are tasked with CCTV inspections of sewer lines outlined in their contract. Routine inspections help identify issues such as undetected leaks, breaches, or clogs. This will enable corrective measures to be taken in order to reduce I&I (inflow and infiltration), as well as help protect the environment by reducing SSOs and sinkholes caused by damaged lines.

## Service Call Summary

- In the month of September, the utilities division completed a total of 89 Service calls. The graph inset right shows the breakdown of call type.
- Underground Service Alert (USA): There was one miss marked USA on Smith lane resulting in one broken two inch PVC line, however, this line did not exist on any of our maps or as-built plans, did not service any connections, and has since been shutoff at the water main, cut, and abandoned.



## Miscellaneous Tasks

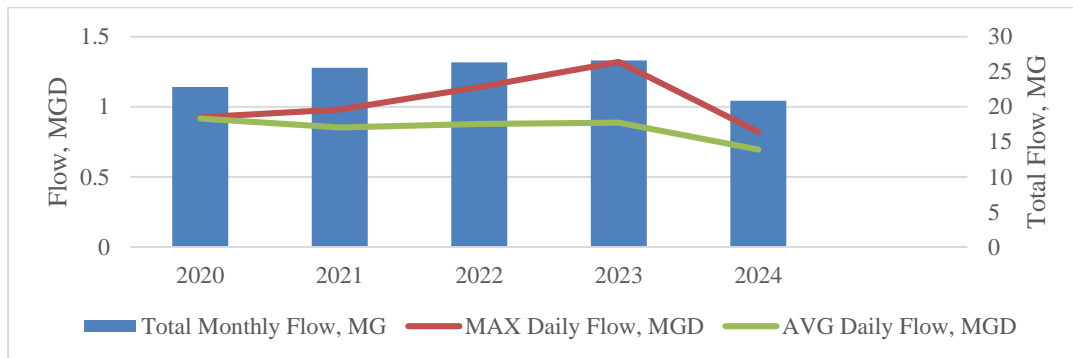
- Daniel Rockholt has submitted his paperwork to take the D2 water distribution exam.
- Andrew White has been enrolled in Water Treatment Plant Operation through Sacramento State Office of Water Programs, in order to prepare him for the Water Treatment T2 exam.

**Water Treatment/Wastewater Division- Chief Plant Operator**

**Wastewater Treatment**

**September wastewater plant effluent flows for the past five years in Million Gallons (MG) and Million Gallons per Day (MGD).**

Year	2020	2021	2022	2023	2024
<b>Total Monthly Flow, MG</b>	22.840	25.590	26.330	26.620	20.850
<b>Maximum Daily Flow, MGD</b>	0.925	0.980	1.140	1.320	0.820
<b>Average Monthly Flow, MGD</b>	0.761	0.853	0.878	0.887	0.695



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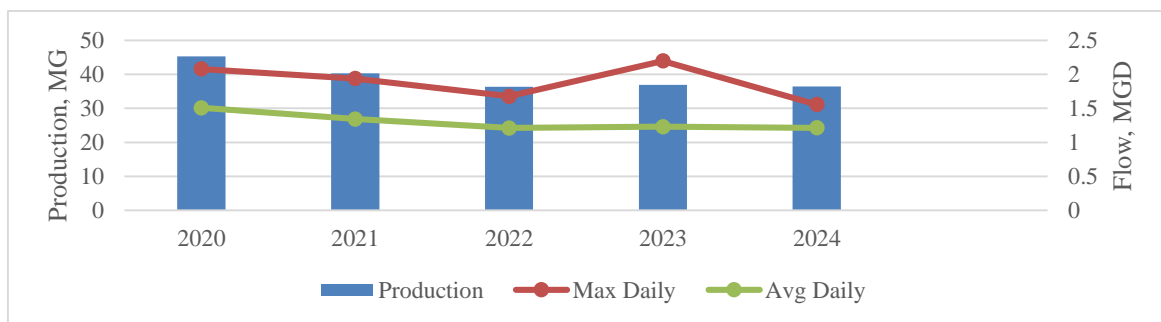
**Wastewater Events & Maintenance Tasks Completed:**

- Staff conducted a giveaway for compost, and approximately 700 yards were given away to residents.
- Staff conducted maintenance on chlorine system analyzers.
- Staff cleaned chlorine contact basins and secondary clarifiers.
- Staff changed gear motor and replaced seals on primary clarifier #2.

**Water Treatment**

**September potable water production for the past five years in Million Gallons (MG).**

Year	2020	2021	2022	2023	2024
<b>Total Production, MG</b>	45.218	40.281	36.360	36.879	36.393
<b>Maximum Daily, MG</b>	2.078	1.938	1.677	2.197	1.557
<b>Average Daily, MG</b>	1.507	1.343	1.212	1.229	1.213



**September potable water production for the past five years in Million Gallons (MG).**

## **General Services and Streets - General Services Superintendent**

The following is a list of scheduled assignments completed by the General Services staff in September:

- Staff assisted with traffic control for a replacement of a traffic signal head assembly on Fortuna Boulevard and Newburg Road.
- Staff continues to paint walls, trim, and doors on the new Community Development Department. A drywall and a ceiling contractor have completed their task. A plumber is scheduled for October to have the plumbing replaced in the two lavatories (photo inset upper right).
- Staff mowed the grass at the Corrosion Control Facility for a well project.
- Staff saw cut asphalt in multiple areas for street repairs. Staff repaired a rough section of road on Home Avenue.
- Staff painted faded white traffic markings.
- Staff provided assistance with traffic control for the Fortuna High School Homecoming Parade. Pleased to report that Varsity and Junior Varsity both had wins.
- Staff assisted the Police staff with a training.
- Staff exposed a culvert pipe for a new installation of a drainage inlet near Newburg Park.
- Staff replaced a failed corrugated metal pipe culvert on Smith Lane.
- Staff replaced the banners on the street lights in the down town area.
- Staff mowed and mucked the main drainage ditch off of Main Street.
- Staff removed a mass of bamboo on the end of a street per citizen's complaint.
- Staff removed the temporary culvert and cleaned the ditch in preparation for the contractor to replace the sewer line on 9<sup>th</sup> Street.
- Staff installed two new stop signs at 14<sup>th</sup> and N Street.
- In addition to the special tasks noted above, staff also engaged in the following regular routine maintenance activities including USA's, street sweeping, recycling and trash management, collect batteries at City Hall, road maintenance, Dog Park maintenance, vegetation management including sniping of curbs, and safety training and inspections. Staff is available for questions, requests, and emergency responses to the community.



### **RECOMMENDED COUNCIL ACTION:**

Receive Public Works Department Monthly Report. Consent Agenda vote.