



# PUBLIC WORKS STATUS REPORT

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**Month of February 2023**

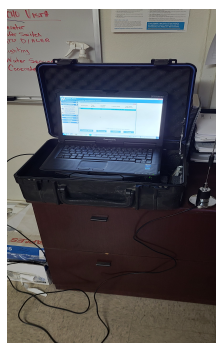
## NOTABLE ACTIVITIES

### WATER

The month of February was another wet month this is was great as our aquifers are still building up this is very important as it could help reassure a good supply of water during the peak of summer . Well # 1 is a shallow well and annually around the month of August the water table is extememly low that the well will start cavitating and pulling air during these times we have to adjust the wells output down .The current wet season could help support well # 1 production later in the year . Well # 5 is 450 ft deep there is no concerning issues with reduced water table levels this is very fortunate as well #5 is currently our highest producing well .

Public works did have some water system repairs but not as many as the previous month . We did have some trouble reading the water meters this month , this was caused by a faulty antenna . The current meter reading system uses radio frequencies to communicate from the water meters to the computer , this system saves a lot of time and labor previously 10 years or so ago every meter was required to be read by hand . This is no easy task as there are quite a few meter boxes that become buried by rodents also they can fill up with mud and debris. The water meter reading computer also allows the city to perform data logging we can log into a water meter electronically and see what time the water usage is taking place also the quantity .This information could be useful for a customer if they suspect high usage or a leak it could be helpful to show what times the water is being used to rule out irrigation systems or malfunctioning water softeners.

Master meter  
Computer  
Reader with  
antenna



# SEWER

During the month of February there was not any sewer overflows or problems with our cities collection system and sewer lift stations . During the month Public works performed the normal preventive maintenance duties , and this includes our monthly hot spot sewer jetting and our sewer lift station preventative maintenance duties this includes keeping track of pump hours and recording any performed maintenance this includes washing down the wet well and cleaning off the float controls that can be built up with grease the grease could cause the floats to not perform properly this could cause elevated sewer levels even leading to sewer overflows . The Rancho Vista sewer lift station has had ongoing excessive amounts of grease. The grease is coming from the community , and to control the grease the city has been applying grease control products , and these products are quite expensive . This expense in the future could be funded through the district . The city has asked that the residents of the Rancho Vista development do there due diligence to avoid putting grease down the sewer also any items that belong in the trash , also at the Rancho Vista station we have installed a milk crate to hang under the inflow pipe to catch and intercept baby wipes or materials that can clog up the pumps . The crate is cleaned twice a week or as needed this is a gross and stinky process . The addition of the milk crate has significantly reduced the pumps from clogging up .



Rancho Vista Development sewer lift station milk crate prior to cleaning .

# BUILDING AND GROUNDS

The Community Hall and our City Library required termite fumigation , as both locations during inspection showed signs of termites and termite damage . Termite control and abatement is very important as the damage caused by termites and the termites could spread if left uncontrolled . Both buildings should be good for the next 10 years or so . Scheduling the fumigation was critical to reduce service interruptions.

February was another wet month , and due to the wet weather we did not have to irrigate our parks and grounds . This has freed up some time to work on other areas of maintenance . The irrigation system is rather problematic and requires quite a lot of attention during watering times. There will need to be improvements made in the future like automated smart timers that sense the current weather conditions and waters depending on weather conditions , this is especially important during times of drought . Upgrading the irrigation system will likely be expensive and will require sending some (cip) funds set aside and planned for during the next fiscal year .



Library and Community Hall  
with fumigation tents installed



## STREETS/ STORM DRAINS

Public Works during the month of February performed the usual task through out the rainy season , and these tasks include storm drain cleaning , storm debris cleanup and pot hole repairs . During the rainy season we have an increase in pot holes . Keeping up with the pothole repairs is important if left unimpaired the damage can become more extensive . The public is always welcome to call City hall and report any potholes that might have been overlooked or in need of repair .

There was great progress made in regards to the (Pmp) pavement management plan the contractor has made the necessary new curb and gutter installation and repairs this work will lead up to the final stage of paving , and some of the paving has been started late February and possibly be finished by mid March . That's all the news until next month's report .