



PUBLIC WORKS STATUS REPORT

By Nicholas Bryan
Public Works Supervisor

Month of November 2022

NOTABLE ACTIVITIES

WATER

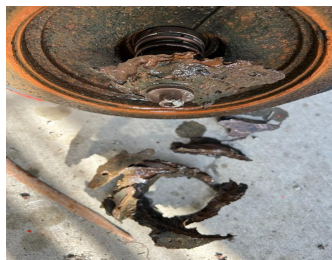
Towards the end of November Public Works was working on the scheduled monthly maintenance for the Reservoir booster station . Maintenance staff heard one of the pumps running rough with a considerable amount of vibration this was alarming we took the pump off line and proceeded to disassemble the pump and we found that the pump impeller was so badly deteriorated its likely that the pump had not been pumping correctly for some time. This station utilizes 3 separate pumps that alternate back and forth this helps give each pump a chance to cool down . We decided to tear down pump # 2 and it also had a deteriorated pump impeller. Public Works is currently working on replacing all 3 pumps and keeping the last working pump as a spare for the future . Public Works will also establish a improved maintenance plan to help avoid future pump failures.

Other then the hurt pump station we did have to repair a couple water service lines this was not out of the norm also with the rains Well #1 has resumed normal pumping this is great news . Well #1 does a great job of producing water during periods of reduced demand during the rainy season. Well #1 water is clean and does not require treatment other then chlorination.

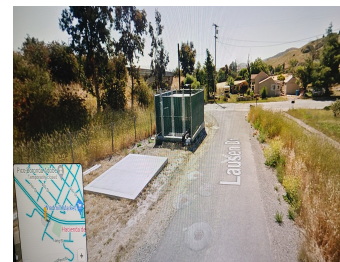
Pump #1 Impeller



Pump #2 impeller



Booster Station



SEWER

November was pretty usual month just the normal scheduled maintenance couple of activities do stand out . We did change a float switch on the Lang St sewer station our operator found that the pumps were not normally alternating we did have a spare alternating relay so we replaced the relay and this did not alleviate the problem then we found out the stop float was not working correctly after replacement of the float switch the pumps started to alternate as normal . The operator keeps a station log that includes pump hours also description of maintenance activities . The pump hours are very important if the hours are not matching up from pump to pump it normally is a sign that something is not quite right. The station is back up operating correctly.

The sewer main on Second St between San Jose St and Jefferson St required repair to a hole in the sewer main this hole was spotted when there was camera work to establish the condition of the sewer mains before the street is overlay ed during the PMP (pavement mangment plan) project now the street will not have to be opened up after the overlaying project this is better to allow for a nice uniform street . This work did not address the aging water pipes this is unfortunate I do not believe there is enough budget to replace all the underground utilities within the PMP plan.

Repaired sewer main



Cutting out old clay sewer main



Typical float switch



BUILDING AND GROUNDS

The month of November required ongoing extensive tree leaf cleanup located in and around our parks this is the time of year where we do spend increased time cleaning up leaves and debris this activity is active throughout the fall and winter seasons. The street sweeper does also get utilized for the picking up of the leaves this is a coordinated effort between our landscaping staff and our street sweeping staff.

Public Works also accomplished some aerating and grass seeding located at our Luck Park and Abbe Park there were areas that needed some aeration and seeding. With the recent rains this a great time to let mother nature do her magic this will establish a nice lawn for the coming spring and summer seasons.

STREETS/ STORM DRAINS

Public Works during the month of November is when we start the city wide annual storm drain system cleaning this activity helps reassure that our storm water system is flowing correctly this helps minimize surface flooding through out the upcoming rainy season also its better for our environment if we did not do our annual cleaning there could be a increase of trash and oils and debris that could flow to our local streams. There also is some local drainage canals that we annually clean, we remove build up silt and sand also we utilize our sewer jetter to clear out our smaller culverts.

The San Benito emergency services received two new programmable sign trailers. Public Works is currently utilizing the message trailers in various locations to help increase messaging towards truck drivers especially the trucks that drive through San Juan Bautista that have no business in town. The weight of the trucks could damage our shallow underground utilities. Moving trucks and delivery trucks are allowed as long as there delivering in town. The city also has conveyed to our out of town commercial processing plants to please direct there trucks to avoid driving unnecessarily through our town. Truck enforcement has been ongoing.

Message trailer

