



PUBLIC WORKS STATUS REPORT

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Month of August 2021

NOTABLE ACTIVITIES

WATER

This month of August in the water department has been really active we had some notable water repairs especially the leak on San Jaun Hollister rd this leak needed to be repaired with high priority as the water main that directs the water from Well5 to our Water treatment plant located at well 6 sprung a serious leak in the San Juan Hollister rd creek crossing near Mission Rv. This was raw untreated water which had minimal impact to the creek. The repair took roughly 5 days to complete as the progress was slow going at the excavation site it had numerous utilities crossing in the same area of the creek , fiber optics , telecommunication lines, 15inch water main and finally a 8 inch asbestos concrete pipe this pipe directs the water between well 5 and the treatment plant located at well 6 the section of this pipe located in the creek crossing needed replacement as the old pipe was encased in concrete making it unrepairable the good news is this section of pipe has been replaced with modern materials and will not need replacement if in the future its decided to replace the remaining water main . Earlier in the month we repaired the old 2inch water main located at First and San Jose St. This line is in dire need of replacement as the condition is poor and its severely undersized. The water master plan does include replacement of this water main. The Microvi Pilot is still in operation we did have some times where we needed to delay and put the Microvi Skid operation on hold because the we had a pump failure at the San Juan Hollister rd sewer lift station the station was brought back to full capacity allowing the Microvi Skid to go back into operation this is great news as we need to keep producing data to see how this technology responds to the water quality coming from well 6 . Public Works installed a awning at well 5 to provide shade to prevent overheating of the motor controls last Labor day the vfd at well 5 over heated causing the well to shutdown and not run luckily we had enough water in the reservoir to maintain the system while repairs were made. The awning should prevent any future overheating issues



well 5 water main
repair



First /San Jose St
Water main
Repair



Well 5
Awning

SEWER

This month was routine for the most part but we did have to change out a pump that failed at the San Jaun Hollister rd sewer lift station. Gil our collections system operator was performing his routine pump station maintenance and found Pump 2 main breaker tripped and not resetting upon further inspection this required to pull the Pump out of the wet well to inspect during the inspection Gil found a sewer snake cutter had lodged into the pump impeller causing the pump to overheat that lead to failure of the pump. Gil swapped out the damaged pump with a loaner pump this brought the station back to full capacity allowing the Microvi skid to go back into operation. This station is scheduled for future much needed improvements. I almost forgot this month we also had to replace a float switch at our Lang St sewer lift station the float switches control the pumps turning them on and off depending on the current demand. The switches are vital to the operation of the station we order spares because the switches are not failure proof as you never know when they can go out. August 23rd we had a alarm call at 8:44 am that the backup generator was turned on at our waste water treatment plant this was unusual as the rest of the town still had electricity. Justin from Cypress Water services found a lack of power at the waste water plants main electrical panel? Public works called out PG&E. PG&E responded about 2 hours later and they replaced a fuse at the power pull that supplies the plant. The good news is that the backup generator started up and maintained power until it was restored. This is why its so important for the city to keep moving forward to install emergency backup generators at our most important infrastructure. I also have great news before the new fiscal year started we budgeted to purchase a portable emergency generator this generator is capable to produce 3 phase 480 volts this is whats needed to power up our pump stations along with the generator we also installed transfer switches to Well 5 ,well6 and San Juan Hollister sewer lift station this allows the hookup from a backup generator. There has been a need to purchase a generator for a long time and am pleased to say that the current administration is doing a great job adding resiliency to our aging system this is a group effort with Management, EGINEERING, Public works.



this picture shows the sewer snake cutter that damaged pump #2



This was a loaner pump that we installed as a backup for pump #2

BUILDING GROUNDS

August was a routine month we do have some gophers that we are trying to bring under control especially at our City Hall the gophers have caused some damage to the grounds . The long wait for air conditioning at our City Library is over. Before the new Fiscal year started we budgeted for the installation of air conditioning and aim also pleased to say that after we went out to bid one of our local heating and air contractors was honored the contract. I think its important for the city to try to hire locals as it benefits our little community. I almost forgot we did have some graffiti at our Abbe park some vandals wrote graffiti inside the mens restroom. The process that we take is to take pictures of the graffiti for our records and share with code enforcement as code enforcement is our liaison for our local law enforcement. Once the documenting is completed then we take the proper process to remove the graffiti.

STREETS/ STORM DRAINS

Back when the transformation of 3rd st was taking place I mentioned to the traffic engineer that I believed that there existed 2 separate locations that to me looked to have enough room to allow for the installation of angled parking well it came to fruition and could not have come at a better time as the installation of the much needed parklets and the one way street downtown made a unavoidable impact to our downtown parking I feel that by adding the new parking this helps offset the loss of parking .



Additional parking Alameda St



Additional parking Mucklemi St