



PUBLIC WORKS STATUS REPORT

By Nicholas Bryan
Public Works Supervisor

Month of February 2021

SUMMARY

Our Public Works Employees consist of 1 Supervisor who reports directly to the City Manager and 4 full time maintenance workers 1 part time employee that works during the week and 1 part time staff member that works the weekends. This weekend position has been very important since the beginning of the epidemic has started our Public restrooms need daily cleaning.

Public Works is broken up into 4 separate areas of work those areas are Water, Sewer, Buildings & Grounds, Streets & Storm Drains. Listed below are some notable activities for the Month of February.

February was another productive Month every division of the Public Works Department accomplished plenty of different task from Working Downtown to repairing our water system to helping setup the food distribution on Fridays.

In addition, we report any code related concerns to Code Enforcement, as well as field any public concerns or complaints as part of any given day. Since we are always visible when we are out in the field, the public never hesitates to reach out to us on a regular basis.

The Public Works Supervisor has also been an acting team member of our Covid -19 team having been assigned the title of our Safety Officer. Those duties typically consist of making sure Covid Guidelines are posted at our parks and other public facilities, as well as making sure the appropriate warning signs are put in place, especially in our Downtown area. Another Covid related task that our Safety Officer is responsible for, is to making sure the Staff has the appropriate PPE (personal protective equipment) gloves, mask, sanitizers, and other cleaning supplies. This is very important as our staff cleans and sanitizes the city-wide Public Restrooms as well as our facility restrooms, which includes our City Library and City Hall since the start of the epidemic we have increased our cleaning schedule to more than double.

WATER

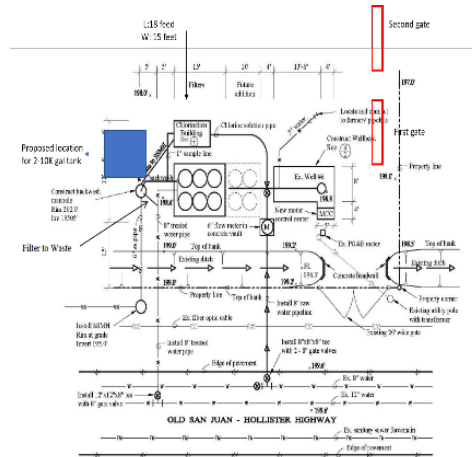


This Month has been a real busy one, we made 2 important water repairs; 1 repair located at 5th/Polk St, the distribution system had a bad leak that was damaging the street, the water main had a service saddle that failed so we resaddled the main and restored service. The second repair was made to a leaky mechanical joint in a valve cluster located at Mission Vineyard Rd / San Juan Hollister Rd. The City has also been teaming up with our Contractual Engineering Firm CSG, we have been working with Microvi at well #6. Microvi will be installing a biological nitrate removing system this will be a pilot program and there's a chance that this could put well#6 back in service which is great news.

The month of February also included assessing of our remaining wells to add Manual Transfer Switches which will allow the hookup of an emergency backup generator, these expenses will be coming from our CIP (Capital Improvement Budget).

Public Works has been gathering estimates for a purchase of an emergency backup generator, this cost is also budgeted from our CIP budget and will be ongoing until we complete this purchase. Well Site #6 is where we Filter our incoming water from Well#5 this Source water is high in Iron and manganese so its mandatory that this source water is treated and filtered before entering our system. The filter vessels go through a backwashing process, this process cleans the filter media and then the back wash water enters the sewer system then it's directed to the San Juan Hollister Rd Sewer Lift Station. This process puts a lot of strain on this station the current pumps are having a hard time keeping up with the demand to help this process. Public Works and CSG Engineering are working to install a couple of 10k gallon holding tanks at Well#6, these tanks will allow the back wash water to discharge at better controlled rate at a rate that the lift station can handle more efficiently. February is about the time we started the design phase for the installation of these tanks, we are forecasting that this addition should be completed by the end of March and this expense is currently budgeted in our proposed CIP budget.

5th St / Polk



Mission Vineyard / San Juan Hollister Rd water leak

Well 6 Proposed location of Additional tank installation

SEWER

The Work at the San Juan Rd sewer lift station is now complete. This work consisted of relocating the source of electricity that supplies this station, this work was really important because when we swapped properties with Coke Farms, we had to discontinue the electrical service coming from the Coke property in the same process, we also installed a manual transfer switch allowing the use of an emergency backup generator, this is awesome news as this will eliminate the risk of sewer overflows.

Public Works is wrapping up its annual flushing of our Sewer collection system this is routine maintenance, this is in addition to our monthly hot spot list which is a monthly flushing schedule of known problem areas located within our system.



Gil our Public Works lead collection system worker filling up hydro flushing Trailer.

BUILDING & GROUNDS



From the beginning of the Covid-19 Epidemic we have been paying closer attention to the cleanliness of our facilities, this includes extra sanitizing and cleanliness checkups of our Park and Facility restrooms. Unfortunately, we have been having some Equipment Issues in this Dept., our main ride-on mower is in need of replacement parts and attention from our Fleet Mechanic, the rear clutch assembly needed replacement and the bearings located in the deck have needed periodic replacement.

We have recently repaired an electrical problem at the Library, the outside lighting System is back on line which is great news as related to security. Public Works has been working with the City Librarian and CSG our engineering firm to help locate our underground utilities this will help with the design process to move our Parks master plan forward.

STREETS/ STORM DRAINS



The type of work load for this department is seasonal, in the month of February the main objective is to keep the storm drains clean and clear this allows the storm water runoff to drain correctly and cause less puddling in the street that can cause an increase in Potholes. This year's rainy season has been a dry one so far so we have had minimal storm cleanup. Typically we spend time clearing and picking up debris from the storms but not so much this year so far. Public Works had a complaint from a resident with concerns from storm drain system located behind Lang Ct. We found a debris pile blocking this drainage system, this debris pile has been cleaned restoring correct draining of this system. The Public Works crew also cleans the storm

water system located in the area of San Juan Hollister Rd / Mission Vineyard Rd. This area is cleaned annually. Public Works also repairs potholes on an as needed basis, this work is completed when the weather is permitting. We have had an increase in damage to our street signs recently, and have made quite a few repairs this month. We had 3 signs that were purposely knocked down, in addition to the signs fixed for the normal wear and tear that usually occurs after time in the elements.

The City of San Juan Bautista owns its own street sweeper, this is a 2010 model our sweeper is currently down as it's been having problems with a part of the hydraulic system. Our Fleet Mechanic is still in the process of working out the kinks, this hydraulic system is very complex. I believe we are close to bringing our sweeper back into operation as we want to keep our streets clean and free of debris.

