



# PUBLIC WORKS STATUS REPORT

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**Month of March 2023**

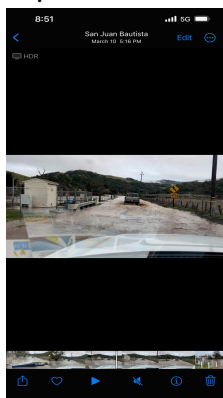
## NOTABLE ACTIVITIES

### WATER

The month of March was another wet month our aquifers are still filling up , this is awesome and for well # 1 this should help the well produce water longer into the summer season . Well #1 towards the end of the summer season the aquifer runs low on water and requires the production to be adjusted lower to prevent damage to the well caused by pump cavitation this could lead to cloudy water and pump damage , the good news is with the current rainy season we will be producing water longer into the summer season . Well # 5 is our cities primary well and in years past there has not been concerns with production even in previous drought years.

The city did experience flood waters located at well #1 . Well #1 is located off of San Juan Canyon Rd , there is a nearby creek that reached full capacity and during this time storm runoff started to run down the road also inundating the well site . The elevation of the runoff never reached the elevation of the well head even then there wouldn't be to much concern for contamination as the well head is sealed very well . Well #1 is located out of city limits within the county . Good news Granite rock since the flooding has cleaned the creek the creek cleaning will help prevent future flooding occurrences .

The water distribution system did not require any repairs throughout the month of March



Well #1 Flooding



# SEWER

During the month of March the cities sewer system did not require significant repairs , just the regular preventative maintenance duties .

The March 10th storm did cause concerning flooding in the immediate area of the Rancho Vista sewer lift station. Flood water flowed right through the station , thank goodness the wet well hatch seals really well . The hatch seal prevents storm water intrusion from entering the wet well , excess storm water could overwhelm the pumps and could cause a (SSO) sanitary sewer overflow , none the less we did install some sand bags around the hatch for extra reassurance .



Rancho Vista Development sewer lift station flooded March 10th 2023 .

# BUILDING AND GROUNDS

The cities building and grounds for the month of March did not receive damage from the march 10th atmospheric river. The Rancho Vista development grounds did receive flooding, this flooding impacted the Jim West exercise playground also washed out some fencing between the retention ponds also various locations that the storm runoff caused erosion within the development, with the future dry weather on its way, there will be ongoing repairs also the drainage system is currently being looked to plan for future improvements.

March 10th flooding Jim West park



# STREETS/ STORM DRAINS

Public Works during the month of March was all hands on decks preparing for the flooding, this includes drain clearing, culvert clearing, debris removal, sandbagging sensitive areas. I felt that with our preventative measures this would have helped reduce the risk of flooding but on the day of March 10th we received more water than the already saturated soil could absorb leading to excessive storm water runoff that caused flooding on both ends of town to our South the Alameda had become inundated with storm water runoff that developed from out of city limits within the County and flowed into city limits with a vengeance, the Cal -Tran drains at hwy 156 and the Alameda could not handle the heavy flows. The flooding in this area was also a huge extra concern because the Alameda is the only outlet and inlet for Copper leaf residents also residents of San Juan Canyon rd, Mission Vineyard rd and Salinas Rd, the residents couldn't leave or make it home, thanks to the County for taking on the huge cleanup project, this allowed the street to re open allowing residents access. The North Side of town particularly in the area of Rancho Vista development and First street going out of town, this area received heavy storm water flows from the County out of city limits, this led to flooding within the Rancho Vista Development. Throughout the March 10th storm event Public works closed off flooded roadways, secured dangerous flooded areas, cleared drains, collaborated with emergency services. Big thank you for all staff involved we were like one big team, the march 10th event was eye opening it showed us how much work we have to do to help prevent future situations. I almost forgot we did have our tractor flood out which made it inoperable during the remainder of the March event. The tractor needed the fuel injectors removed to expel the water from the engine the pistons were hydro-locked, thank goodness we didn't bend any connecting rods, there is 2 fuel injectors that were damaged and required changing we are waiting for the parts. The tractor should be up and running by the middle of April until then we have a rental backhoe.

The Alameda St Flooded



First St / Prescott Rd



Mission Vineyard Rd looking towards Hwy 156

