



TO: Board of Directors

DATE: August 27, 2020

FROM: Cato Esquivel
District Manager

RE: **AGENDA ITEM 6.F**
DISTRICT MANAGERS REPORT

OPERATIONS

Waterline Breaks

We have had numerous breaks the past three weeks. Several in Whispering Pines, Jan Dr and Portals 1, 2 & 3. The water lines in these areas are C-900 or PVC SCH 40. Its unfortunate that past administrations invested the time and funding to install 6-inch C-900 only to backfill it with boulders. The breaks along Whispering Pines were longitudinal creaks along the bottom of the C-900. The breaks along Jan Dr were puncture breaks made by serrated boulders resting against the C-900. The breaks within the Portals were mostly associated with service line saddles with metal band that have rusting away.

Pine Lodge at 5600

We have received the Preliminary Civil Improvement plans for the Pine Lodge at 5600. I have also had several conversations with Brian Herold, the owner, regarding water service.

As you know the proposed development consists of 8 rooms and an office. On the Utility Plan sheet, they are showing a proposed 2" water service connected to the proposed 6-inch water main in Pine Cone Trail with a 1-inch meter.

I am in the process of reviewing the submittal and will let know what other information we need.

Milk Ranch Well 1 & 2

While going through multiple parameters we discovered that a portion of the wire leads was damaged and was making contacting with a metal fitting. The wire leads were repaired and placed inside a flexible conduit. The well pump and motor were flushed for a period of time and placed online at 25 gpm.

MR Well 2 was also placed online after it was flushed. It is also pumping at 25 gpm. Both wells are clear with an NTU of 0.1 and adding 1.8 MG per month. We will increase the gpm within the next couple of weeks.

OPERATIONS CIP

White Oaks Glen 2 Water Pressure

As you may recall we received a letter in August 2019 from the White Oaks Glen 2 community residence complaining about the water pressure.

The White Oaks Glen 2 community is located at the north end of Mistletoe Dr, which begins at the Evergreen Place road alignment, extends north to Manzanita Trial then into and around S. Holly Dr loop.

As you may recall this is an issue we have been working on for several months. We initially thought that the booster pumps cycle times at Pine Ranch 1 on Whispering Pine Rd and Pine Ranch 2 on Mogollon Dr were not running long enough to provide and sustain the required water pressure in the system. After monitoring the system pressure along Whispering Pine Rd and Mogollon Dr we determined that the average pressure is between 70 psi and 90 psi.

After further investigation we discovered that the distribution system that services Whispering Pine and Mogollon Dr is not connected to the White Oaks Glen 2 distribution system. This is because they are two different pressure zones.

The existing 6-inch main in Mistletoe does not tie into the existing 4-inch in Manzanita. We also discovered that the existing 4-inch in Holly Dr/Manzanita reduces down to a 2-inch at Mistletoe and it does not connect into the existing 6-inch in Mistletoe.

In addition, the principal source of water for this community is from Canyon Tanks. The White Oaks Glen distribution system ties into the 8-inch in Pine Creek Canyon Dr at Cedar Meadows through a 2-inch. Then the 2-inch increases to a 4-inch in Cedar Meadows. This has created a 'bottle neck'. We can't get enough water to White Oaks Glen community through the 2-inch to maintain consistent pressure. We are in the process of verifying these assumptions.

We have requested a proposal from one of our JOC's to replace approximately 900-ft of 2-inch with 6-inch C-900 in Cedar Meadows to Holly Dr. And, tie in the water main in Mistletoe to the existing main in Manzanita. We will also extend the main in Manzanita to Manzanita Circle.

Radio Reads

At the beginning of this week, August 24, we had approximately 400 radio meters left to install. The project has progress well with some minor issues. We have also discovered that a hand full of the 600 zero reads we have had in the pass have been using water.

In July 2020 we produced 16.5 MG and billed for 12 MG used.

Arrowhead Canyon Estates (Agenda Item 9 V)

Arrowhead Canyon Estates residents came in to the office a couple of weeks ago requesting assistance in filling a 7,000-gallon bladder that provides fire suppression for the community.

They have been working with the Pine-Strawberry Fire Department to fill the 7000-gallon bladder. The Fire District has agreed to transport and fill the bladder, pending authorization of the water donation from PSWID.

As you may recall we assisted the Fire District in filling the bladder in May 2018.

"The threat of the Polles fire was a frightening reminder of the vigilance we must maintain against a wildfire devastating Arrowhead Canyon Estates."

During the Polles fire, they were able to fill the bladder to about 30% of our 7000-gallon bladder. We are estimating that the only need about 5000 gallons to top-off the bladder.