



Cypress Cove Water Supply Corporation

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Ranch Pump Station Upgrade Update

The Ranch Pump Station services the biggest area in the cove and is responsible for pushing all the water to both Bob White and North Stations. It was deemed to be the best starting point for upgrades based on the findings from outside agencies who specialize in drinking water systems.

The upgrade is nearing completion so I wanted to share some of the things that have been happening over the past few weeks which has and will continue to increase PSI:

- Upgraded the 2-inch fill line with broken valves to a 3-inch fill line with new valves
- Upgraded discharge line to a 3-inch line and removed 2 unnecessary taps on the old 6-inch cast iron main
- 6-inch cast iron main bypass was stuck in the shut off position, replaced with 2 new 6-inch valves and a 13-foot of new main
- Took out one(1) 10-horse power booster pump and replaced with two(2) 20-horse power VFD pumps
- Replaced the existing simple float level indicator in the ground storage tank with a new water laser level indicator which controls a new 3-inch MOV valve
 - This enables the automation of refilling the pressure tank vs having to flip a valve manually
- Updated all electrical wiring in the building to bring it up to code
- Installed outside lights
- Updated the outside building structure and re-poured the concrete slab 2ft x 8ft.

The project came in under budget; amount to be discussed at the next monthly meeting.

We found that the system is a well-designed system that simply wasn't maintained or updated as needed. This is good news because the cost to update the system is a lot less than it would cost to have to do a complete re-design.

Regards,
Your CCWSC Team