

**Before****After**

Case Study: Amberwoods Subdivision

CSWR-Texas completed a comprehensive overhaul of the Amberwoods Water Treatment System in Harris County to bring the facility into full compliance with regulatory standards. Prior to these improvements, the system faced aging infrastructure and outdated equipment, which impacted its overall performance and reliability.

One of the key upgrades included the installation of a new 16,000-gallon ground storage tank, enhancing the system's storage capacity and ensuring a more reliable water supply. The existing hydropneumatic tank was replaced to improve pressure regulation and system efficiency. Additionally, new housing for the service pumps was installed to extend their expected lifespan, reducing the risk of breakdowns and ensuring smoother operation.

Electrical improvements were also made to support the new equipment, ensuring that the system runs efficiently and effectively. To protect the integrity of the system and extend its operational life, all onsite assets were recoated or replaced with UV-resistant materials.

These upgrades have significantly improved the Amberwoods Water Treatment System's reliability and performance, providing safe, consistent water service to the community. The successful completion of these enhancements has ensured that the system now operates in compliance with all relevant standards and is better equipped to serve the residents of Amberwoods for years to come.