



# 9000 Gallon Plant #2 Hydropneumatic Tank

**Scope:** Replace existing hydropneumatic tank with larger 9,000-gallon hydropneumatic tank, and upgrade pumps to 400 GPM with variable speed drives and associated electrical improvements.

**Budget:** \$946,815 (FY2021-2022) - Construction

**Design Firm:** CP&Y, Inc., San Antonio, TX

**Construction Firm:** MGB Construction, Castroville, TX



New 9000 gallon hydropneumatic tank at Plant #2

## Justification and Impact

- In lieu of an EST in Zone C, TCEQ requires 20-gallon pressure tank storage capacity per connection. The number of connections will exceed current storage capacity by 2024, larger tank needed to meet build-out requirements.
- Existing pumps are old and introduce shock or water hammer conditions to the system when cycling on/off. VFD pumps will help avoid this condition.

## Construction Project Timeline (subject to change)

Nov 2021 – Contract awarded  
Dec 2021 – Construction started  
Aug 2022 – Construction complete

**% Completed:** 95

**Status Update:** Final inspection conducted Aug 17<sup>th</sup>, contractor addressing punchlist items