



## BUTTE COUNTY FIRE STATION 63

Water Storage Vault      Oroville, California



### JENSEN PRECAST DELIVERS 57½ TON SOLUTION FOR FIRE STATION TO TEST DRIVE PUMP SYSTEMS

Fire Station 63 in Oroville, California, fields over 2,000 calls a year from residents, businesses, and fellow firefighting units in and around Butte County. When a call comes in to the outpost, the community counts on the station crew to be at the ready. The same goes for all the equipment it takes to battle a blaze. Every piece must be counted on to work as hard as every firefighter.

Jensen Precast engineered, manufactured, and delivered a 57½ ton concrete vault for Station 63. The underground water storage unit measures 8½'W x 23'L x 16'H and was customized to enable routine onsite testing of the pump systems outfitted on each of its fire engines.

---

#### PROJECT OWNER

CAL FIRE/Butte County Fire Department

#### CONTRACTOR

Bobo Construction

#### PRODUCTS

Precast Concrete Water Storage Vault 8½'W x 23'L x 16'H  
Precast Concrete base, risers, and cover slab





### Related Resources

[jensenprecast.com/products](https://jensenprecast.com/products)  
[buttecounty.net/fire/firefacilities/firestations](https://buttecounty.net/fire/firefacilities/firestations)

## CHALLENGES

When calls come into fire stations to address community emergencies, there is no time for equipment failures when battling life-threatening and business-crippling disasters. Fire engines must continuously operate at peak performance to quickly remedy fluid situations. Ensuring maximum operations while keeping costs to a minimum can be challenging to many local firefighting units. For fire engines to work at optimal capacity, pump tests need to be performed on a regular basis.

## SOLUTIONS

"We set a 8½'W x 23'L x 16'H water storage vault 16' deep, including 1 base, 2 risers, and 1 cover slab," says Marshall Hammon, Jensen Precast Orland Inside Sales Representative. "Our precast concrete vault will help ensure fire engines are ready to go when needed."

"For pump tests, we pull a draft of water from the vault into a fire engine, then test gallons per minute each firehose releases water based on the fire engine size," says Jimmy Waddle, Station 63 Fire Apparatus Engineer. "We test all apparatus is working at full capacity. During the process the water is returned to the vault to use again. This saves financial and environmental resources."

## RESULTS

- Ensures Station 63 fire engines work at full capacity before heading out on emergency calls.
- Minimizes costs for fire engine pump testing by enabling efficient onsite water use procedures.
- Keeps the Butte County community safer through advanced preparation of fire equipment.