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57.5 Ton Solution for Test Driving Fire Station Pump Systems

Fire Station 63 in Oroville, California, fields over 2,000 calls a year from residents, businesses, and fellow fire fighting units in and around Butte County. When a call comes 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. The underground water storage unit was customized to enable routine onsite testing of the pump systems outfitted on each of its fire engines.

Project Details

Project Owner	**CAL FIRE / Butte County Fire Department**
Contractor	**Bobo Construction**
Location	**Oroville, California**
Project Scope	**Water Storage Vault**

Questions? Let's talk. (775) 352-2700 info@jenseninfrastructure.com JensenInfrastructure.com

Problem

When calls comes 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 performed on a regular basis.

Solution

A precast concrete vault measuring 8.5'W x 23'L x 16'H was installed to make sure the pump systems could be tested properly. Water is drafted from the vault ot the fire engine, and then dispersed through each firehose hookup to measure gallons per minute before the water is returned to the vault. This ensures each apparatus is operating at full capacity withouth straining financial and environmental resources.

Key Outcomes

All Systems Go

Ensures Station 63 fire engines work at full capacity before heading out on emergency calls.

Maximum Efficiency

Minimizes costs for fire engine pump testing by enabling efficient onsite water use procedures.

Safer Community

Keeps the Butte County community safer through advanced preparation of fire equipment.

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