

Cobabe Ranch Water Tank- Design Reviews

Response to Comments From Weber Fire District Received on 8-6-2025

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Review: Fire - DM

Project: Cobabe Ranch Water Tank-Design Reviews

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Department: Weber Fire District

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Review Status: More Information Needed

08/06/2025

If the tank is used for private fire protection, it shall comply with the IFC and NFPA 22.

Provide details as per NFPA 22, primarily the requirements in Chapter 4.

D. Mortensen

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Review Response:

The details below are located in the “Water Master Plan.pdf” which has been uploaded to Frontier.

Fire flow and storage requirements for the development:

- 2,000 GPM over 2 hours (driven by hotel) with minimum pressure of 20 PSI
- Fire flow storage = 240,000 GAL
- Average Day Demand Storage (Culinary) = 165,550 GAL
- Minimum Storage (Fire flow + Avg Day) = 405,550 GAL

Note that this tank is for culinary and fire storage only, as irrigation will be on a separate system. The minimum required tank capacity which accounts for culinary average day demand + fire flow is 405,550 GAL, and the tank has been designed for a capacity of 500,000.

This is referenced at various locations throughout the report but can be seen easily in Appendix A, the last page of the report.