



Smith Saddle Tanks Rehabilitation Project

Operations Committee

January 15, 2021



Overview



- Background
- How the Tanks Function
- Condition
- Rehabilitation Project

Smith Saddle Tanks



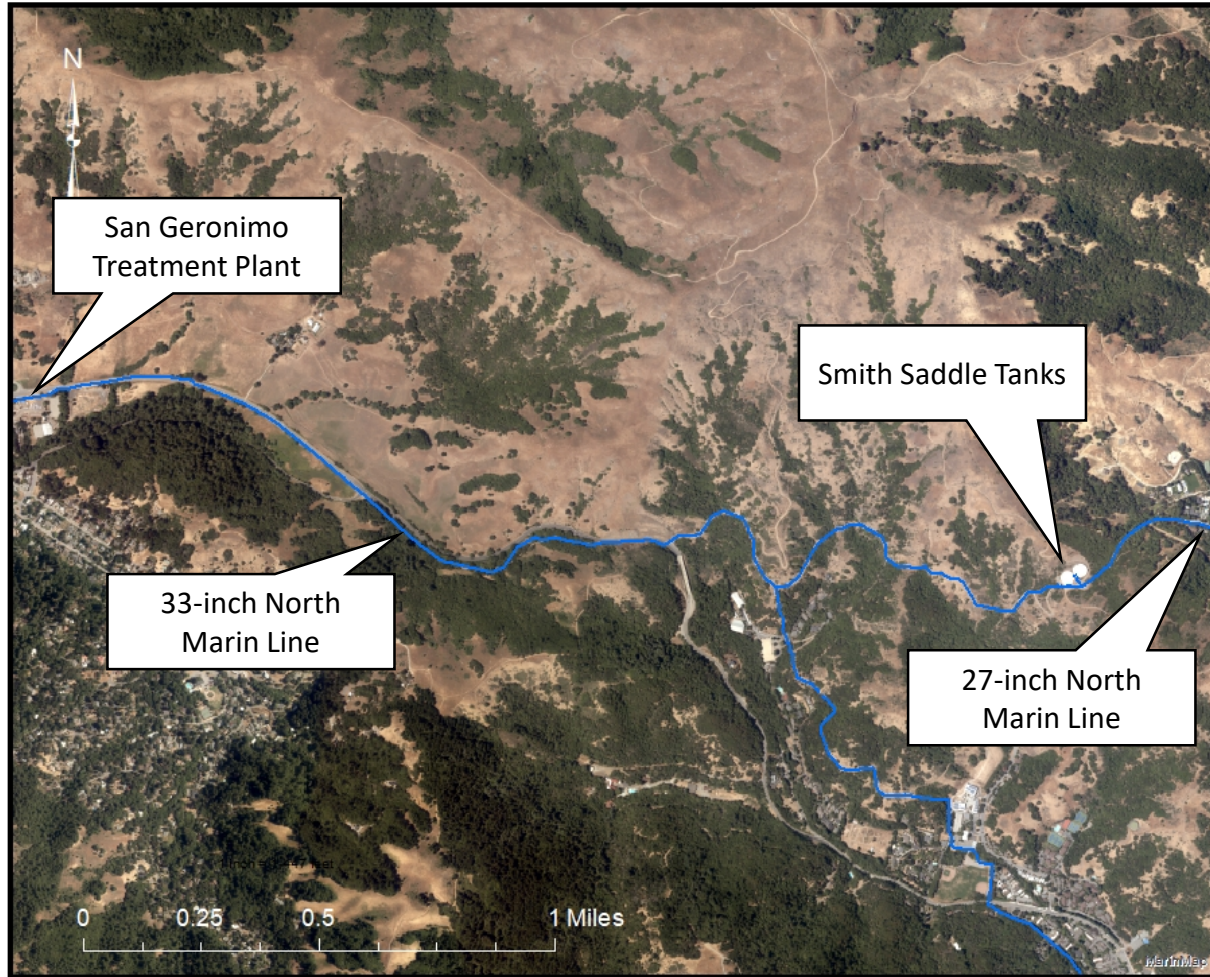
- Constructed in 1960 of Welded Steel
- Tanks function together as a system for a total capacity of 10,000,000 gallons of potable water
- 5,000,000 gallons capacity, each
- Interior coating is 60 years old
- Exterior Coating is 38 years old
- Tanks are in poor condition and require rehabilitation to continue to function for the District

Smith Saddle Tanks to Scale



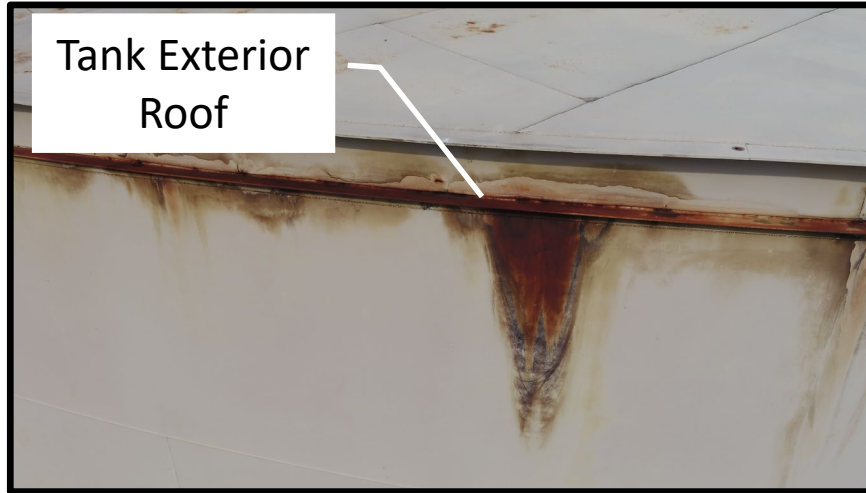
100-yd
NFL Football Field

North Marin Line & Smith Saddle Tanks



- Smith Saddle Tanks are some of the largest tanks in the system
- San Geronimo Treatment Plant directly supplies water to Smith Saddle Tanks via the North Marin Line
- More potable water cycles through the Smith Saddle Tanks than any other tanks in the District

Coating History



- **Exterior Coating:** 38 years-old
- **Interior Coating:** 59 years-old



Project Components



- Structural and Seismic Evaluation of Smith Saddle Tank
- Evaluate existing access road for heavy equipment and material delivery
- Evaluate and improve site security
- Evaluate solar panel installation
- Improve site safety
- Develop three design alternatives for rehabilitation, each with a 100-year life cycle cost analysis

Smith Saddle Tanks Project Schedule

- Phase 1 – Structural Evaluation & Report (February 2021 – May 2021)
- Phase 2 – Design (Summer 2021 – Fall 2021)
- Phase 3A - Rehabilitate Tank (1 of 2) (Fall 2021 – Spring 2022)
- Phase 3B - Rehabilitate Tank (2 of 2) (Winter 2022 – Spring 2023)