



Half Moon Bay Prestressed Concrete
Tank & Seismic Upgrades Project
Completed June 2026

PROJECT TIMELINE

- DESIGN & ENGINEERING (2021-2024)
- CONTRACT AWARD (JUL, 2024)
- **TEMPORARY BYPASS (JAN, 2025-MAR, 2025)**
- DEMOLITION (MAR, 2025)
- EXCAVATION & FLOORING (APR, 2025-JUL, 2025)
- FORMING & POURING OF THE 7 WALLS (JUL, 2025-SEP, 2025)
- THE POURING OF THE DOME ROOF (OCT, 2025)
- SHOTCRETING & WRAPPING (NOV, 2025-DEC, 2025)
- INSTALLATION OF SUBGRADE YARD PIPING (JAN, 2026- APR 2026)
- DISINFECTION , FILLING, & PLACING NEW TANK ONLINE (FEB, 2026)
- **PAVING & GRADING (APR, 2026-JUN, 2026)**



HALF MOON BAY CONSTRUCTION PROJECT TEAM

DESIGN ENGINEERS – HDR. INC.



CONSTRUCTION MANAGEMENT -
FREYER & LAURETA, INC.



Sitework



Electrical



Instrumentation



Demolition



Concrete Supply

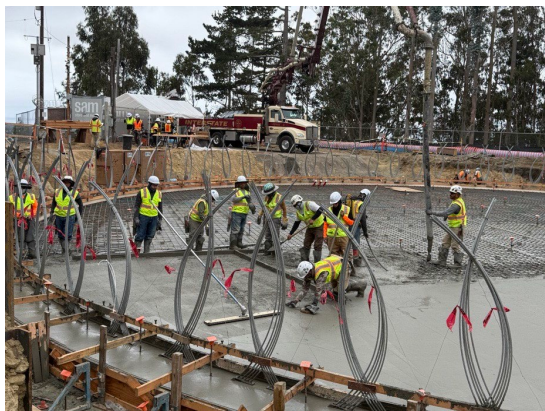
TEMPORARY BYPASS- THE SOLUTION TO KEEP WATER FLOWING





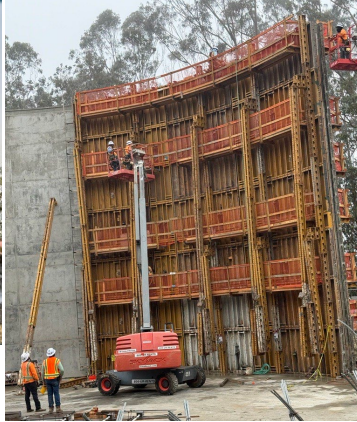
DEMOLITION





EXCAVATION & FLOORING



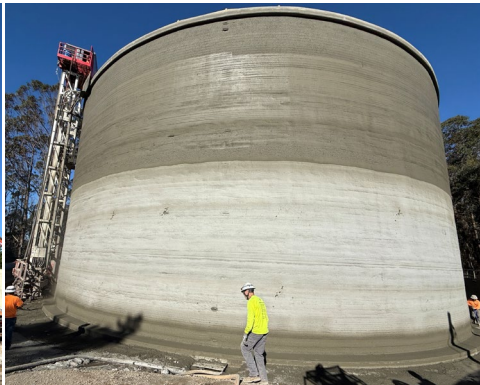


FORMING & POURING OF THE 7 WALLS





SHOTCRETING & WRAPPING



Half Moon Bay

Prestressed Concrete Tank #1

- Cost = \$13 Million
- Replaced (2) 1950's era smaller tanks with one 2.1 Million Gallon tank
- *Increased water storage by 1 Million Gallons*
- Life Expectancy: 80-100 year
- Diameter (inside) – 97 feet
- Height (including dome roof) – 55 feet
- 21 miles of high-stress prestressing wire



Why Concrete vs. Steel?

- ✓ Seismic Resilience
- ✓ Enhanced Water Quality
- ✓ Reduced Maintenance (no recoating/rehabilitation)
- ✓ Lower Life Cycle Costs

