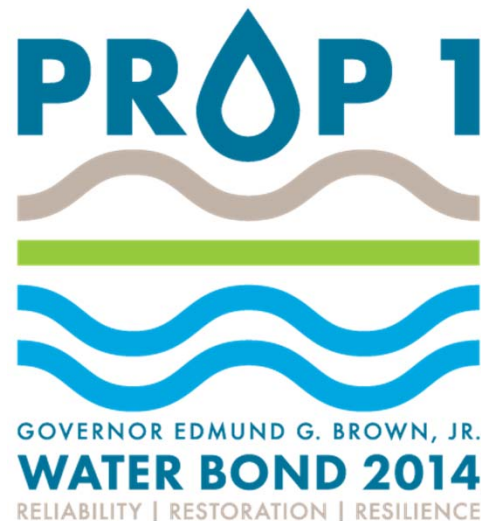


PWO 13

FREEWAY WELL PLANNING PROJECT

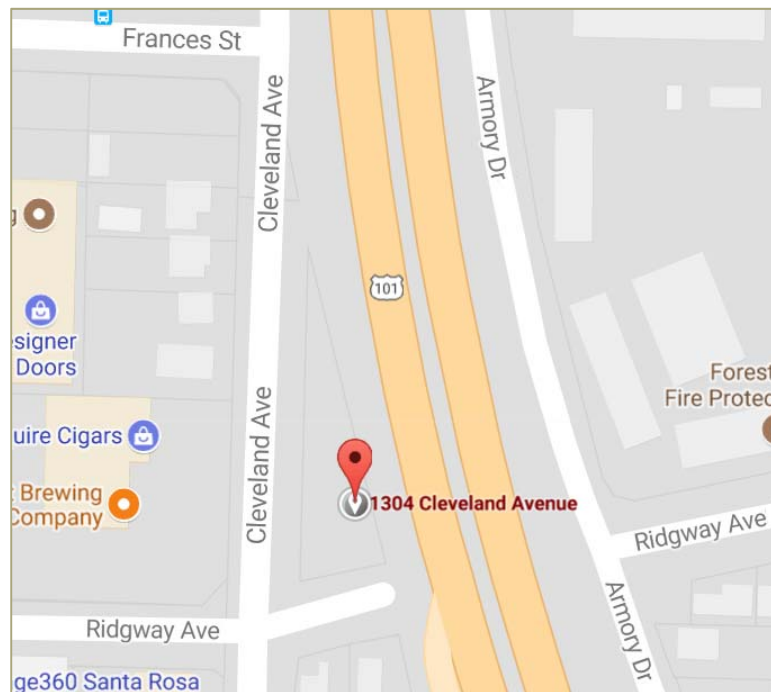


Board of Public Utilities
September 5, 2018

Colin Close
Senior Water Resources Planner, Water

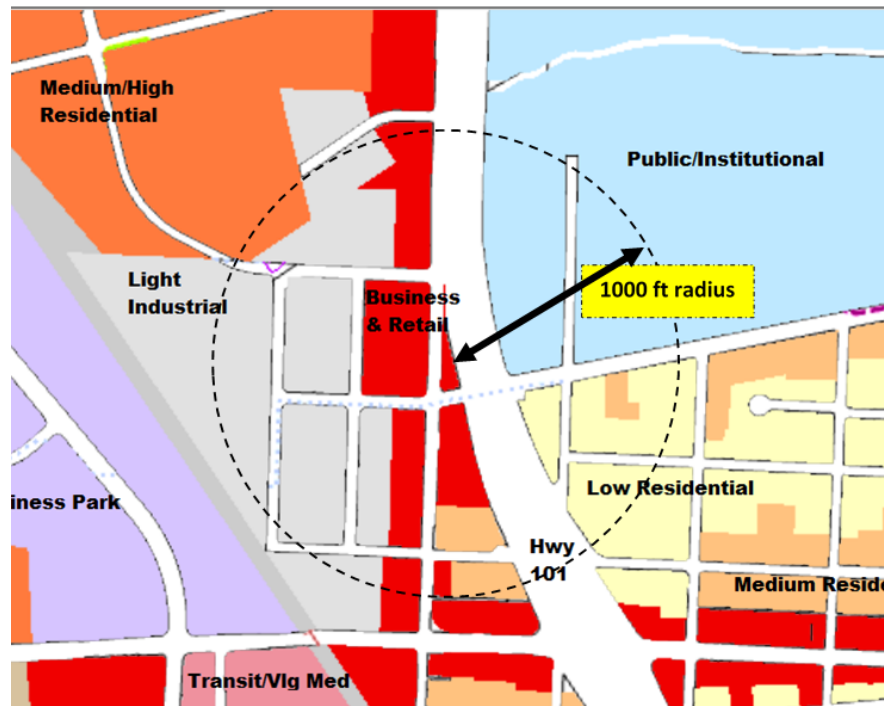
BACKGROUND

- Built in 1957
- 817 feet deep, with 16" diameter
- Very productive (~1 mgd) for nearly 30 years



BACKGROUND

- Routine testing revealed volatile organic compounds (VOCs) in 1984
- Contamination from nearby sites
- Production halted.
- Asset has been offline since.



PROPOSITION 1

Groundwater Grant Program

Competitive process

- Pre-application: July 2016
- Final application: Aug 2017
- Award notification: Jan 2018
- Contract finalized: Aug 2018
- Total project cost: \$977,866
 - State portion: \$488,836
 - City 50% match: \$490,030



SCOPE OF WORK

Records review, data gathering:

- Gather available info about nearby threats and geology

Test boring and nested monitoring wells:

- Assess geohydrology & vertical distribution of VOCs

Aquifer testing:

- Evaluate vertical and horizontal impacts of pumping

Feasibility Study:

- Examine options for GW protection and remediation



TIMELINE

2 ½ years (Sept 2018- March 2021)

- **First year**
 - Records review, data gathering
 - Bid for drilling services
- **Second year**
 - Test boring & monitoring wells
 - Aquifer testing
- **Final 6 months**
 - Feasibility study



Freeway well surface enclosure with transducer and desiccant pack

RECOMMENDATION

Recommended by the Water Department,
that the Board, by motion, approve a
Project Work Order (PWO)

- under the Master Professional Services Agreement with West Yost & Associates, Inc. of Pleasanton, California,
- to provide services for the Freeway Well Planning Project,
- with a total amount, including a 5% contingency, of \$557,731.00.

Questions?