

Lemon Well Project

Project Scope and Summary

Anticipated Construction Dates:

November 2015 - February 2016 (Drilling);

October 2016 – December 2016 (Surface Facilities)

California American Water's Duarte Water Distribution System is supplied by five local groundwater wells. Two of the existing wells are over sixty-five years old. The production capacity of the existing wells has decreased due to both the age of the wells as well as declining water

levels during droughts. California American Water proposes to improve the production capacity and reliability of its water supply by constructing a new well at its Lemon reservoir site.

Project Components:

- One well with a surface mounted electric motor in an enclosure.
 - Capacity = 1,200 gallons per minute
 - Depth = 720 feet
 - Diameter = 20 inches
- One electrical equipment cabinet.
- One disinfection equipment building.
- One electrical transformer.



Important Information about Construction

- **Views:** There will be limited visibility of most of the project components. The well, electrical equipment cabinet, and the disinfection system building will be located behind the existing reservoir. The electrical transformer will be located in front of the reservoir.
- **Hours of Construction:** Most of the construction will be limited between 7:00 a.m. and 7:00 p.m. There will be a three to five day period when the well drilling will be required to operate continuously in order to successfully construct the well. Customers near the project site will be notified prior to the beginning of the continuous drilling period. Well drilling will take approximately 2 months, with 5 days 24/7. Wellhead completion 3 months.
- **Noise:** A temporary sound attenuation wall will be constructed around the well drilling equipment during construction. The wall will be removed at the completion of the project. The electric motor that will drive the well pump will be housed in a sound attenuation enclosure.
- **Water Service:** Water service interruptions are not expected. If minor service shut downs are required, customers will be notified.
- **Contact:** For additional information please contact Matt Lasecki, P.E. at (626) 614-2511