

March 28, 2019

Joe Schmitz
City of Goodyear
Development Services Department
14455 W. Van Buren Street, Suite D101
Goodyear, AZ 85338

Re: City of Goodyear – Well 26; Project Narrative

Dear Mr. Schmitz,

The Well #26 and Raw Water Transmission Main project is being undertaken to provide needed capacity, redundancy and flexibility for the City's water system. The project includes a new production well (Well #26), transmission main and expanded reverse osmosis treatment at the Bullard Water Campus. The proposed well site is located on parcel 500-04-904, undeveloped land, currently owned by the City. The site was selected after a Well Siting Study completed in 2017 (by others), and is optimally located based on proximity to treatment, City ownership, proximity to utilities, and aquifer water quality.

As shown on the conceptual site plan, the preliminary well site size is 50 feet x 110 feet, with a 20-foot utility easement on the west and a 50-foot set back from Bullard Wash to accommodate planned future development. The footprint of the site was reduced from the City's standard size (100 feet square) to minimize impacts to existing neighbors, eliminate encroachment on the floodway and to reduce encroachment on the floodplain.

Major equipment within the site will consist of a well pump, sound enclosure, sand separator, piping, valves, motor control center and variable frequency drives. Post construction, there will be an 8-foot block perimeter wall for security. Access will be via a gravel driveway from S. 150th Street, along an easement through the Centerra HOA property (Parcel 500-04-928), and vehicles will enter through a rolling gate at the north.

The new construction is in the 100-year floodplain (Zone AE). A hydraulic analysis using the current floodplain model from the Flood Control District of Maricopa County indicates there is no rise to the regulatory floodplain.

Please contact us if you have additional questions.

Regards,



Lisa Melton, PE
Hazen and Sawyer
Senior Principal Engineer