

Water Demand Analysis Data

Provide information below, explaining basis and source for any assumptions.

1. APN: 312-092-32
2. Number of wells on property: 1 Metered? No
3. Name and contact information of applicant: Jeffrey T. Roberts
Assenig Group 1396 W. Herndon #101 FRESNO, Ca. 93711
(559) 463-0900 / jroberts@assenigroup.com
4. Current zoning: 'RR' - County of Fresno
5. Describe current land use; include square footage of irrigated and nonirrigated areas including landscaping, cultivation, and undeveloped land. Include any additional features such as pools, accessory dwelling units, greenhouses, etc:

6. Type of action sought: Rezoning to 'RS-5' (conditional)

Answer the following questions regarding build out conditions if application is approved.

7. Total number of water service connections and respective meter size required for the property. Include fire services, domestic services, irrigation services, commercial services, and any other anticipated activities:
 - a. Number of Meter Connections: 1
 - b. Meter sizes: 1 1/2"
 - c. Explanations: One existing home/landscaping
8. Estimate peak water demand for property in gallons per minute (gpm), and explain as needed:
$$\frac{ADD \times MOD \times PHD}{1440 \text{ minutes}} = \frac{600 \text{ gpd} \times 2.0 \times 1.55}{1440 \text{ minutes}} = 1.3 \text{ GPM}$$
9. Estimate peak water demand for property in peak hour demands including fire protection requirements of 1500 gpm, and 20 psi residual pressure, and explain as needed:
$$PHD + 1500 \text{ gpm} = 1.3 \text{ gpm} + 1500 \text{ gpm fire flow} = 1501.3 \text{ gpm}$$
10. Estimate total annual water demands for property in acre-feet per year: _____
$$ADD \times 365 = 600 \text{ gpd} \times 365 \text{ days} / 325,851 = 0.7 - 1.0 \text{ ac/ft per year}$$
11. What, if any, is planned to provide water supply or groundwater recharge to the property?
N.A.

12. Any other notes:

N.A.

Signature of applicant:

A handwritten signature in black ink, appearing to be "C. B. S.", written over a horizontal line.

Date: 10/29/2018