

Memorandum

To: Blanco County Groundwater District
From: Applicant
Re: Estimated Annual Groundwater Production
Date: April 20, 2026

Purpose

This memo provides an estimated annual groundwater production amount for the subject well, consistent with the District's requirement to base estimates on type of use, pumping characteristics, and other relevant data where historical records are not available.

The proposed well will serve:

1. One single-family residence; and
2. One 5,000-gallon fire suppression tank for emergency use.

Basis of Estimate

Because historical metered data is not available, the estimate is based on standard residential usage assumptions.

For the residential component, the Texas Water Development Board (TWDB) provides a reasonable planning benchmark of approximately 246 gallons per day per single-family residential connection, which is commonly used for estimating annual demand.

Estimated Groundwater Production

Residential Use:

$246 \text{ gallons/day} \times 365 \text{ days/year} = 89,790 \text{ gallons/year}$

Fire Suppression Tank (Conservative Assumption):

To account for a worst-case scenario, it is assumed the tank is fully utilized once per year due to a fire event and refilled annually:

Annual refill: 5,000 gallons/year

Total Estimated Annual Production

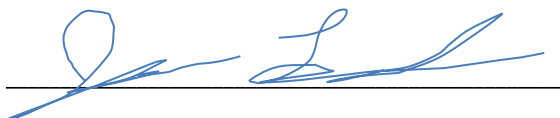
Residential use: 89,790 gallons/year

Fire suppression tank: 5,000 gallons/year

Total Annual Estimate:

94,790 gallons/year (rounded to 95,000 gallons/year)

Sincerely,



Jack Leonard
Brighton Ranches, LLC