

WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

APPLICATION NO./COURT CLAIM NO. WBN Request Nos. G4-35872 & G4-35873		
APPLICANT NAME: Donogh Custom Homes	CONTACT NAME: Suzanne Blakeney, Washington Water Trust	TELEPHONE NO. 509.929.2822
WATER RIGHT HOLDER'S Masterson Ranch	NAME (if different)	EMAIL: suzanne@washingtonwatertrust.org
DATE OF APPLICATION: August 19, 2017		
WATER SOURCE: Existing Well No. APF674	CROP: Lawn &/or non-commercial garden	
INSTANTANEOUS QUANTITY: TBD	ANNUAL QUANTITY: G4-35872- (1 unit) – 0.414 afy G4-35873– (2 units)- 0.828 afy	
PERIOD OF USE: Continuous for 3 domestic connections and seasonal irrigation for 1500 sq ft lawn &/or non-commercial garden.		
PLACE OF USE: G4-35872 – Parcel Nos. 680834 & 956955 (Lot 1) G4-35873 – Parcel Nos. 951929, 956958, 951930 & 956959 (Lots 5 and 6)	PURPOSE OF USE: Domestic and irrigation of up to 1500 sq ft of lawn &/or non-commercial garden	

CONSUMPTIVE USE CALCULATION:

G4-35872: Indoor use: one residential connection at 350 gpd used continuously year-round equates to 0.392 afy of water use, or: consistent with WAC 173-539A-050(3), 30% of domestic in-house use on a septic system is consumptively used, therefore **Indoor consumptive use is 0.118 afy.**

G4-35872: Outdoor use: The requestor proposes to irrigate a total of 500 sq ft of lawn or garden. WIG data for pasture/turf near Cle Elum shows a CIR of 18.10 in/yr, or 1.51 ft/yr. Using 80% application efficiency, the total outdoor irrigation water used is 0.022 afy. Consistent with WAC 173-539A(3), 90% of outdoor use is consumptively used, therefore **Outdoor consumptive use is 0.019 afy.**

G4-35872 Total consumptive use is 0.137 afy

G4-35872 Contract water is 0.072 afy for the period September 1 through March 31

G4-35873: Indoor use: two residential connections at 350 gpd used continuously year-round equates to 0.785 afy of water use, or: consistent with WAC 173-539A-050(3), 30% of domestic in-house use on a septic system is consumptively used, therefore **Indoor consumptive use is 0.236 afy.**

G4-35873: Outdoor use: The requestor proposes to irrigate a maximum of 1000 sq ft of lawn or garden. WIG data for pasture/turf near Cle Elum shows a CIR of 18.10 in/yr, or 1.51 ft/yr. Using 80% application efficiency, the total outdoor irrigation water used is 0.044 afy. Consistent with WAC 173-539A(3), 90% of outdoor use is consumptively used, therefore **Outdoor consumptive use is 0.038 afy.**

Total consumptive use for G4-35873 is 0.274 afy

Contract water for G4-35873 is 0.144 afy for the period September 1 through March 31

TOTALS:

Indoor consumptive use: 0.354 afy

Outdoor consumptive use: 0.057 afy

Total consumptive use: 0.411 afy

Contract water 0.0216 afy for the period September 1 through March 31

NARRATIVE DESCRIPTION OF PROJECT:

An existing well with a Washington State Licensed Water System Plan (St. Andrews, No. AC208K) is proposed to supply water for three homes, under two applications. The subject parcels are identified as Lots 1, 5 and 6 in the Sun Country Estates Development located south and west of the Yakima River, south and east of Little Creek, in the SE¼SE¼ of Section 26, T. 20 N., R. 16 E.W.M. Two WBN approvals (Masterson Water Bank) have been issued within the development for the subject well: G4-35777P and G4-35723P. WBN approval G4-35777 triggered the permit process while G4-35723 (accidentally) did not. Washington Water Trusts requests the WTWG find the hydrogeologic analysis in ROE No. G4-35777P sufficient for the subject project:

“According to Ecology’s state licensed hydrogeologist and author of the hydrologic/hydrogeologic analysis, Memorandum for this proposal, Danielle Squeochs, it is expected that water is physically available from the Evan’s Creek Glacial Drift in the subject area to satisfy the proposed uses. Further, water would be available without injury to the Total Water Supply Available (TWSA) by way of mitigation offered through Trust Water Right No. CS4-01467@11sb3a(A) in accordance with WAC 173-539A-060” (p 11).

Based on the hydrogeologic setting, observation and interpretation of data from existing wells drilled in the same geographical area, groundwater would be physically available. (p 11).

The requestors propose to offset the total 0.411 afy consumptive use for the projects (3 residential connections and up to 1500 sq ft of lawn and garden) with 0.411 afy of mitigation water acquired from Trust Water Right No. CS40-01467@11sb3a(A). Ecology will assign 0.216 af to the USBR-Ecology Exchange Contract (Contract No. 09XX101700).

Location Maps for G4-35872 and G4-35873



Figure 1: Parcel No. 1 is outlined in blue. Parcel Nos. 3 and 8 are the subjects of G4-35723P and G4-35777P respectively.

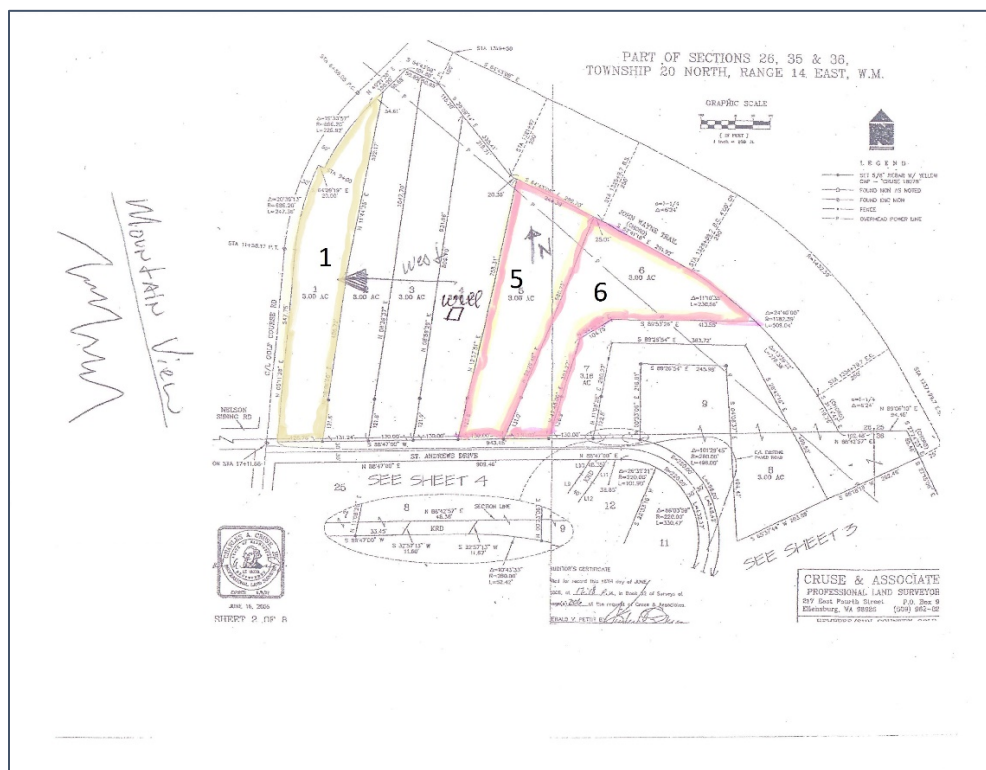


Figure 2: This image is included to elucidate the spatial relationship between Parcel Nos. 1, 5 and 6, the well, and Parcel Nos. 3 and 8.