

WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

APPLICATION NO./COURT CLAIM NO. Water Budget Neutral Request No. G4-35847 with mitigation from Trust Water Right No. CS4-01467@11sb3a(A)		
APPLICANT NAME William A Smith Family Limited Partnersh	CONTACT Suzanne Blakeney	CONTACT'S TELEPHONE NO 509-607-3513
WATER RIGHT HOLDER'S NAME (if different) Masterson Ranch		CONTACT'S EMAIL suzanne@washingtonwatertrust.org

DATE OF APPLICATION May 04, 2016

WATER SOURCE: Well	CROP: Lawn and\or noncommercial garden
INSTANTANEOUS QUANTITY: TBD	ANNUAL QUANTITY: 0.414 ac-ft/yr
PERIOD OF USE: Continuous for 1 domestic connection and seasonal irrigation for lawn and\or garden	
PLACE OF USE: Parcel No. 029036, located within the E $\frac{1}{2}$,SW $\frac{1}{4}$ of Section 21, T. 20 N., R. 14 E.W.M.	PURPOSE OF USE: Domestic and irrigation of 500 square feet of lawn and\or garden

<p>CONSUMPTIVE USE CALCULATION:</p> <p>Indoor use: 1 residential connection at 350 gallons per day (gpd) used continuously year round equates to 0.392 ac-ft/yr 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 (CU) = 0.118 ac-ft/yr</p> <p>Outdoor use: The requestor proposes to irrigate 500 ft² of lawn and/or garden. Using a crop irrigation requirement of 18.10 in/yr (or 1.51 ft/yr) for pasture/turf near Cle Elum from the Washington Irrigation Guide and an application efficiency of 80%, the total outdoor irrigation water use is 0.022 ac-ft/yr. Consistent with WAC 173-539A-050(3), 90% of outdoor use is consumptively used, so: Outdoor consumptive use = 0.019 ac-ft/yr</p> <p>Total consumptive use = 0.137 ac-ft/yr</p> <p>Contract water = 0.072 ac-ft/yr for the period September 1 to March 31</p>

<p>NARRATIVE DESCRIPTION OF PROJECT:</p> <p>The subject parcels are located to the south of the Yakima River and to the east of Big Creek within the E$\frac{1}{2}$,SW$\frac{1}{4}$ Section 21, T. 20 N., R. 14 E.W.M. The Burchak Water Bank Masterson Suitability Map (Trust Water Right CS4-01467@11sb3a(A)) indicates that the</p>
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subject parcel is within the ‘green’ area with a small portion of the NW corner in the ‘red’ area.

The requestor proposes to offset the 0.137 ac-ft/yr of consumptive use for the project (1 residential connection and 500 ft² of lawn and garden) with 0.137 ac-ft/yr of mitigation water acquired from Trust Water Right NoCS4-01467@11sb3a(A). 0.072 ac-ft is assigned to the USBR-Ecology Exchange Contract (Contract No. 09XX101700).

The proposed parcel overlaps both green and yellow zones, the authorized WBN will allow for withdrawal within the “green zone.” Flow impacts will be to the main stem Yakima River. The risk of impairment, and adverse unmitigated impacts to surface water bodies in the ‘green zone’ is low.

WTWG Project form

Location of G4-35847

