

**WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION**

APPLICATION NO./COURT CLAIM NO.		
Water Budget Neutral Request No. G4-35828 with mitigation from Trust Water Right No. CS4-01467@11sb3a(A)		
APPLICANT NAME Justin P & Elyssa A Schuessler	CONTACT Suzanne Blackeney	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 March 02, 2016
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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 season irrigation for lawn and\or garden	
PLACE OF USE: Parcel No. , located within the E½ of the SW¼ of Section 34, T. 20 N., R. 16 E.W.M.	PURPOSE OF USE: Domestic and irrigation of 500 square feet of lawn and\or garden

<p>CONSUMPTIVE USE CALCULATION:</p> <p><b>Indoor use:</b> 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: <b>Indoor consumptive use (CU) = 0.118 ac-ft/yr</b></p> <p><b>Outdoor use:</b> The requestor proposes to irrigate 500 ft<sup>2</sup> 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: <b>Outdoor consumptive use = 0.019 ac-ft/yr</b></p> <p><b>Total consumptive use = 0.137 ac-ft/yr</b></p>
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**NARRATIVE DESCRIPTION OF PROJECT:**

The subject parcels are to the north of the Yakima River, just to the east of the Teanaway River located within the E½ of the SW¼ Section 34, T. 20 N., R. 16 E.W.M. Masterson Water Bank (Trust Water Right CS4-01467@11sb3a(A)) indicates that the subject parcel is within the “green” area.

The requestor proposes to offset the 0.137 ac-ft/yr of consumptive use for the project (1 residential connection and 500 ft<sup>2</sup> of lawn and garden) with 0.137 ac-ft/yr of mitigation water acquired from Trust Water Right No. CS4-01467@11sb3a(A). 0.017 ac-ft is assigned to the USBR-Ecology Exchange Contract (Contract No. 09XX101700). Additionally, to address out-of-season flow impacts to the Teanaway River, \$500 will be placed into an account to be used for one or more upstream or headwater riparian corridor projects.

Review of the local area hydrogeology suggests that the well would likely capture water that would otherwise discharge to the Teanaway and Yakima Rivers.

WTWG Project form

**Location of G4-35828**

