

**WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION**

APPLICATION NO./COURT CLAIM NO. Water Budget Neutral Request No. G4-35875 with mitigation from Trust Water Right No. CS4-01467@11sb3a(A)		
APPLICANT NAME E Michael & Elizabeth J Flynn	CONTACT Suzanne Blakeney	CONTACT'S TELEPHONE NO 509-929-2822
WATER RIGHT HOLDER'S NAME (if different) Masterson Ranch		CONTACT'S EMAIL suzanne@washingtonwatertrust.org

DATE OF APPLICATION August 23, 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. 376436, located within the SW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 31, T. 20 N., R. 17 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> <p><b>Contract water = 0.017 ac-ft/yr for the period September 16 to October 31</b></p>
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**NARRATIVE DESCRIPTION OF PROJECT:**

The subject parcel is located to the south of the Teanaway River on the northern flanks of Lookout Mountain in the SW $\frac{1}{4}$ NW $\frac{1}{4}$  Section 31, T. 20 N., R. 17 E.W.M. The Masterson Suitability Map (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 proposed well would likely capture water that would otherwise discharge to the Teanaway River.

WTWG Project form

