

WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

APPLICATION NO./COURT CLAIM NO. Water Budget Neutral Request No. G4-35859 with mitigation from Trust Water Right No. CS4-01467@11sb3a(A)		
APPLICANT NAME Parlova Miller LLC	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 May 31, 2016

WATER SOURCE: 1 Existing Well	CROP: Lawn and/or noncommercial garden
INSTANTANEOUS QUANTITY: 8.96 gpm (350 gpd)	ANNUAL QUANTITY: 0.827 ac-ft/yr
PERIOD OF USE: Continuous for 2 domestic connections and season irrigation for lawn and/or garden	
PLACE OF USE: Parcel Nos. 952489 & 952490, located within the NE ¹ / ₄ of Section 19, T. 20 N., R. 14 E.W.M.	PURPOSE OF USE: Domestic and irrigation of 1,000 square feet of lawn and/or garden for two residences (500 sq. ft. each)

<p>CONSUMPTIVE USE CALCULATION:</p> <p>Indoor use: 2 residential connections at 350 gallons per day (gpd) used continuously year round equates to 0.784 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) = 0.235 ac-ft/yr</p> <p>Outdoor use: The requestor proposes to irrigate 500 ft² of lawn and/or garden for each residence. 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 0.043 ac-ft/yr. Consistent with WAC 173-539A-050(3), 90% of outdoor use is consumptively used, so: Outdoor consumptive use = 0.039 ac-ft/yr</p> <p>Total consumptive use = 0.274 ac-ft/yr</p> <p>Contract water = 0.144 ac-ft/yr for the period September 1 to March 31</p>

NARRATIVE DESCRIPTION OF PROJECT:

The project is located south of the Yakima River near Lavender Lake, approximately 1 mile southeast of Easton in a “green” area as noted on the current Masterson suitability map.

The requestor proposes to offset the 0.274 ac-ft/yr of consumptive use for the project (2 residential connections and 1,000 ft² of lawn and garden) with 0.322 ac-ft/yr of mitigation water acquired from Trust Water Right No. CS4-01467@11sb3a(A). Ecology will assign 0.144 ac-ft to the USBR-Ecology Exchange Contract (Contract No. 09XX101700). In addition to the consumptive use of the project, Ecology will assign 0.048 ac-ft of the Trust Water Right to be managed within the Trust Water Right Program for instream flow purposes to benefit the Yakima River.

Review of the local area hydrogeology suggests that the existing well may capture water that would otherwise discharge to the Yakima River.

Location of G4-35859

