

Name: \_\_\_\_\_

## Design your Own Laundry-to-Landscape Greywater System

1) Sketch the inside portion of your L2L system.

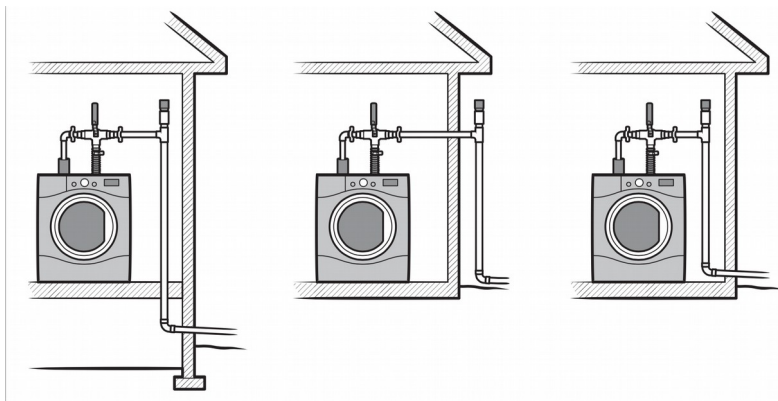
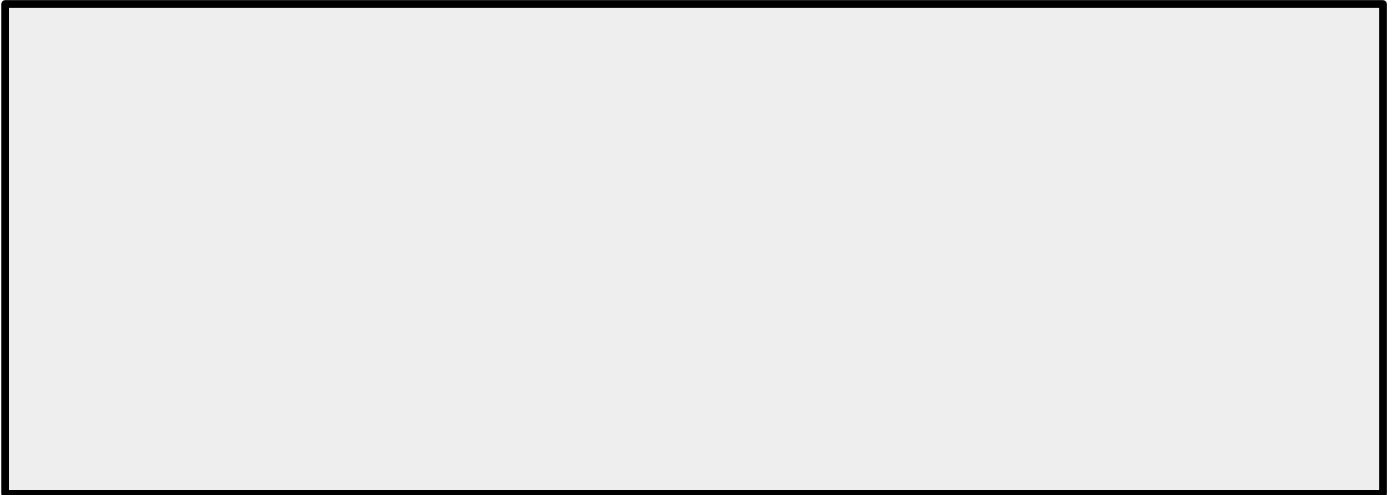


Illustration 1: © James Provost,

8714789 Canada, Inc.. from *The Water-Wise Home*

2) Calculate how much greywater your home produces from the washing machine. This is how much weekly irrigation water you have available from the washer.

- Top loading machine ~ 40 gallons/load
- Front loading machine ~ 15 gallons/load
- Top-efficient machine (no agitator) ~ 25 gallons/load

$$\frac{\text{_____}}{\text{gallons/load}} \times \frac{\text{_____}}{\text{loads/week}} = \text{_____} \text{ gallons/week}$$

3) Calculate your daily maximum gallons/day. This number determines how large to make your mulch basins.

$$\frac{\text{_____}}{\text{gallons/load}} \times \frac{\text{_____}}{\text{max load/day}} = \text{_____} \text{ maximum gallons/day}$$

**4. List some plants you may irrigate with your L2L system and their general plant water requirements.** If possible, replace a zone of your irrigation system so you can shut it off entirely. You can also use the app on [Puddle-Stompers.com](http://Puddle-Stompers.com) to do this calculation for you if you live in California.

Plant	Area of plant (3 x radius x radius for circular plants)	X ½ = gallons/week required at peak irrigation time. <i>If low-water plant divide by 2 again.</i>	Amount you'll direct to this plant with GW system
Example: Apple tree	$(3 \times 4 \times 4) = 48 \text{ ft}^2$	$48/2 = 24 \text{ gallons/week}$	
Example (low water hedge row)	$12 \times 3 = 36 \text{ ft}^2$	$36/2 = 18 \text{ gallons} / 2 = 9 \text{ gallons/week}$	

5. Sketch the landscape portion of your greywater system.

