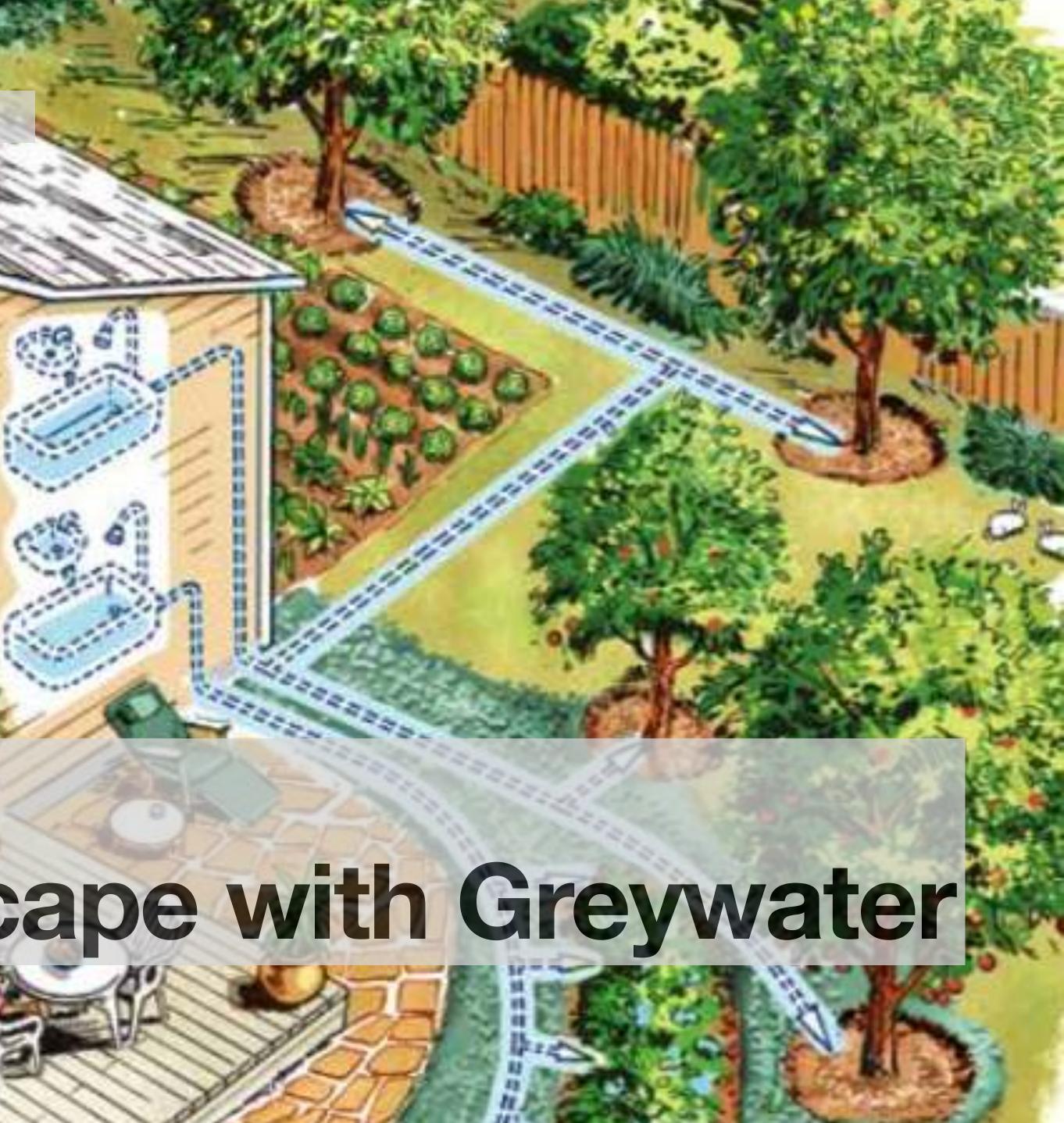
Laura Allen, Greywater Action



FOR A SUSTAINABLE WATER CULTURE

Green the Landscape with Greywater

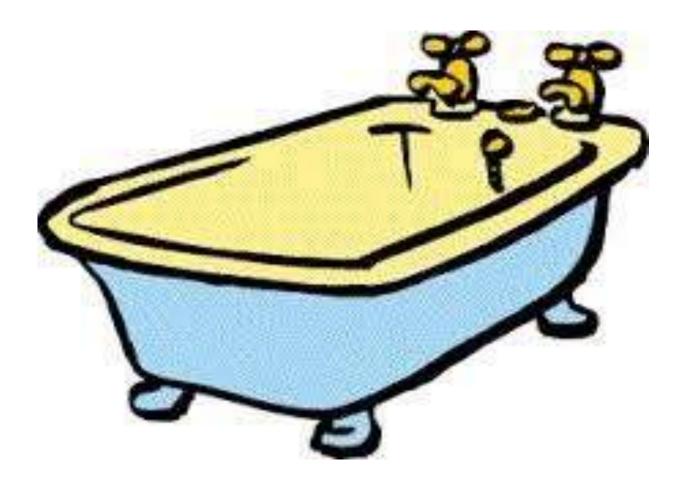


Californian's produce around 1 billion gallons of greywater every day





Greywater is..



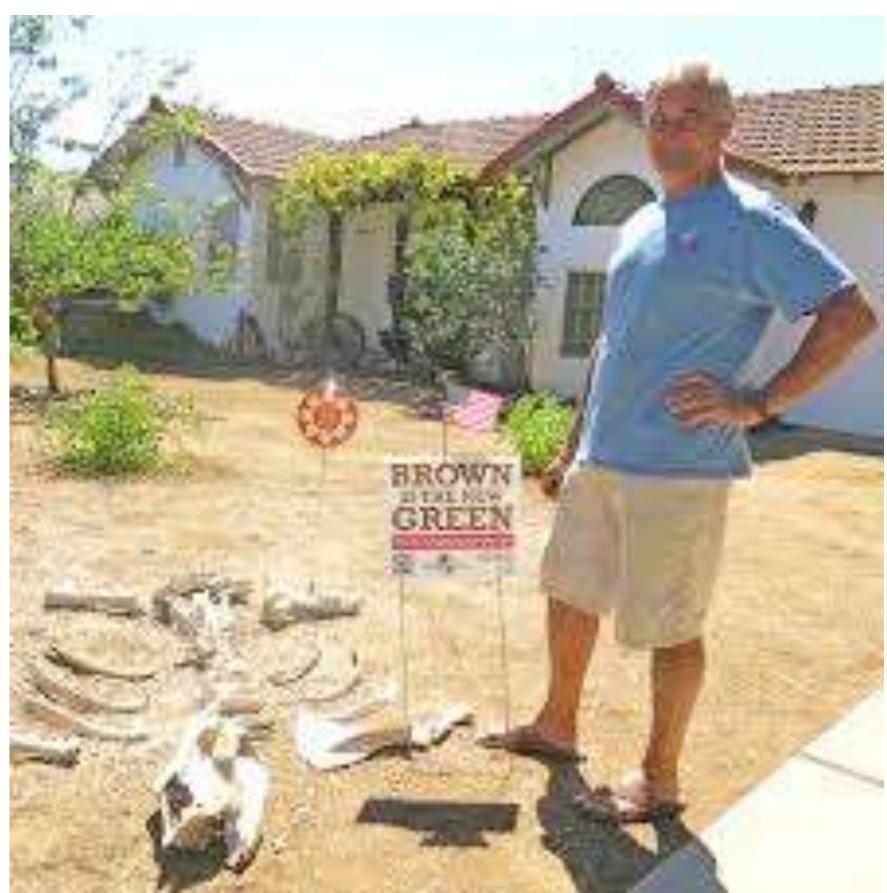


www.clipartof.com · 1114319

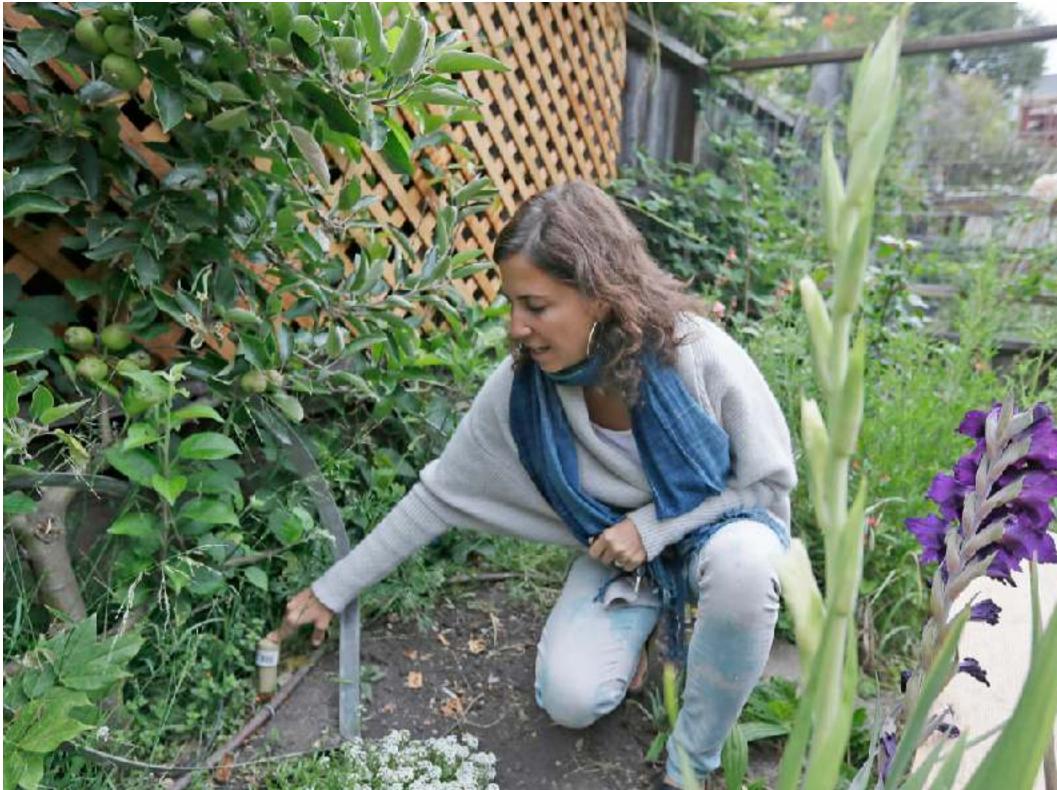




this....?







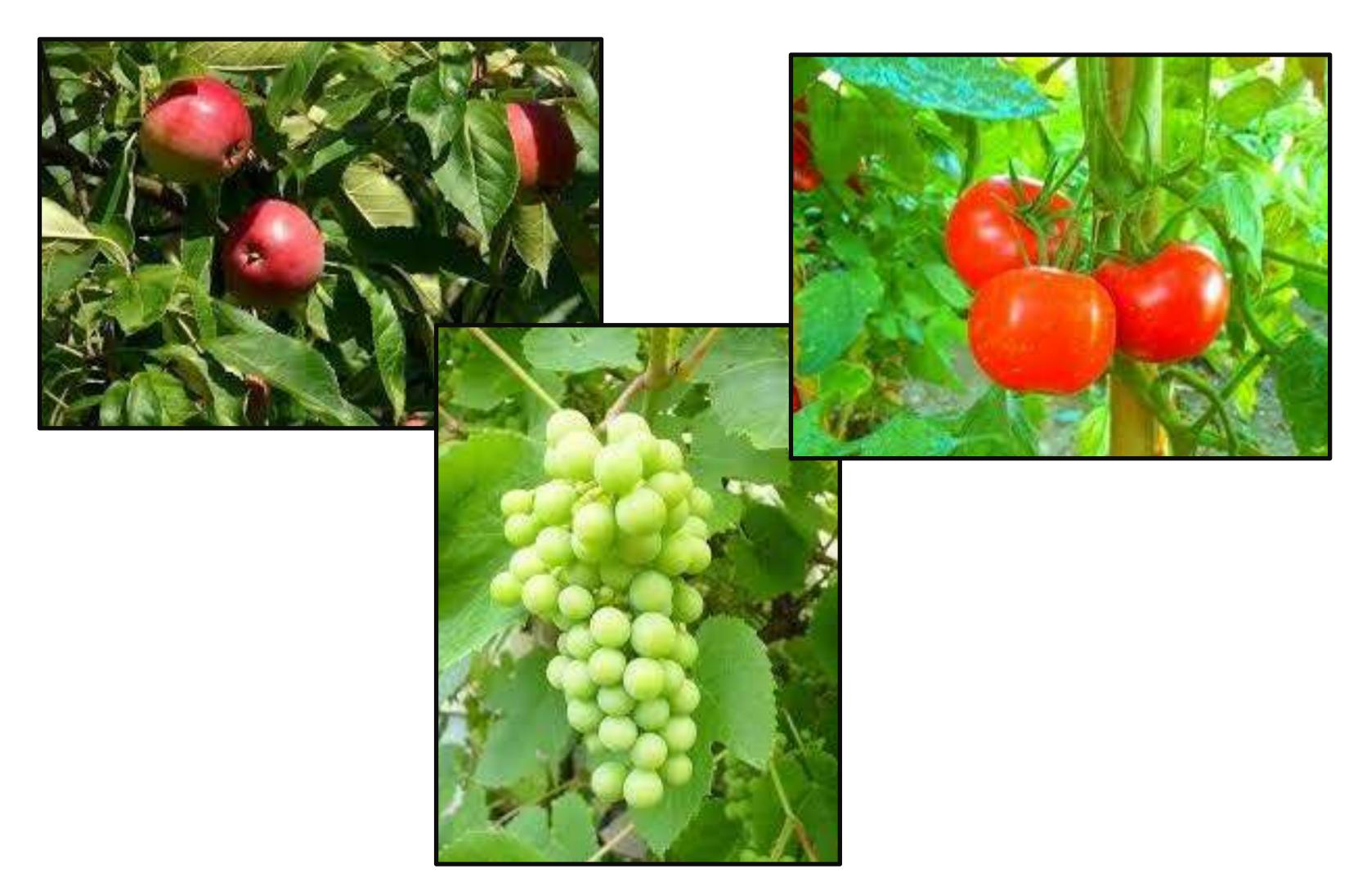






Simple Systems Irrigate Larger Plants

- Trees
- Bushes
- Vines
- Larger annuals and perennials



...but not lawns or small plants



Irrigating these types of plants requires a more complex type of system.



Use Plant Friendly Products

- These products don't contain much SALT, BORON, or CHLORINE.
- For example: ECOS, Biopac, Trader Joes, Oasis, Vaska, Aubrey Organics, hydrogen peroxide bleach.
- Don't use sodium based water softened water.





Residential greywater users can manage inputs and control water quality



Safety Considerations Greywater is NOT Potable

Use Plant Friendly Products









"Mulch"



Wood chips filter and absorb greywater before it soaks into the soil.

"Mulch Basin"



A shallow basin filled with mulch (wood chips).

The basin spreads greywater out, provides surge capacity, and prevents pooling or runoff.

"Diverter Valve"

The valves allows us to control the flow of greywater (either to the landscape, or to the sewer/septic)





www.greywateraction.org



Is greywater legal? Yes!

Greywater is regulated by Chapter 15 of the California Plumbing Code.



2022 CALIFORNIA PLUBBING CODE California code of regulations | title 24, part 5

Based on the 2021 Uniform Plumbing Code® California Building Standards Commission

FORNIA REPUBLIC

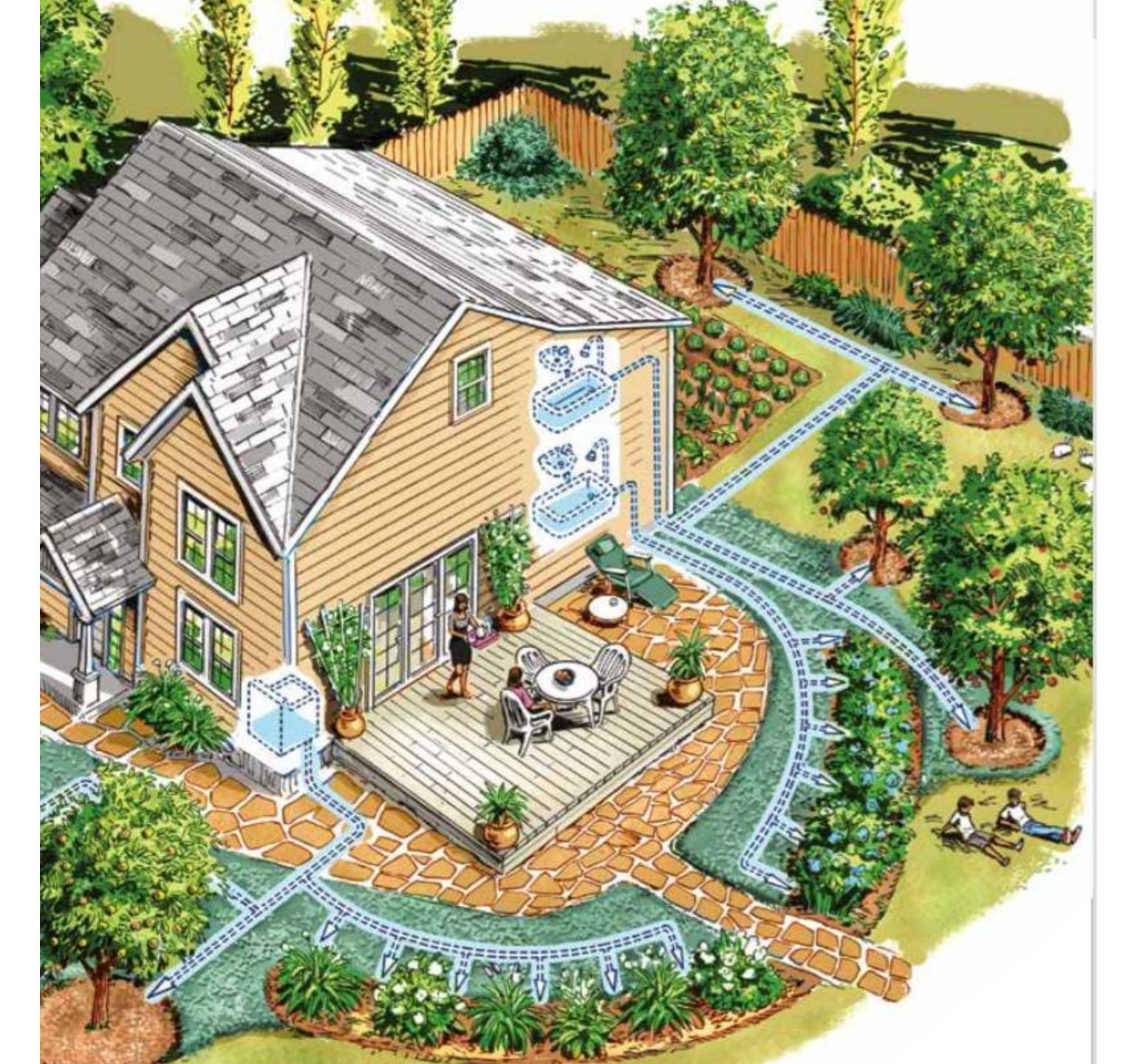
READ ME

TABLE OF CONTENTS









Greywater Reuse 16-40% reduction in water use

Irrigate trees

Grow hyperlocal food (food security)

Create habitat

Fire prevention (hydrated landscapes)

Foster awareness of healthy products (no "away)

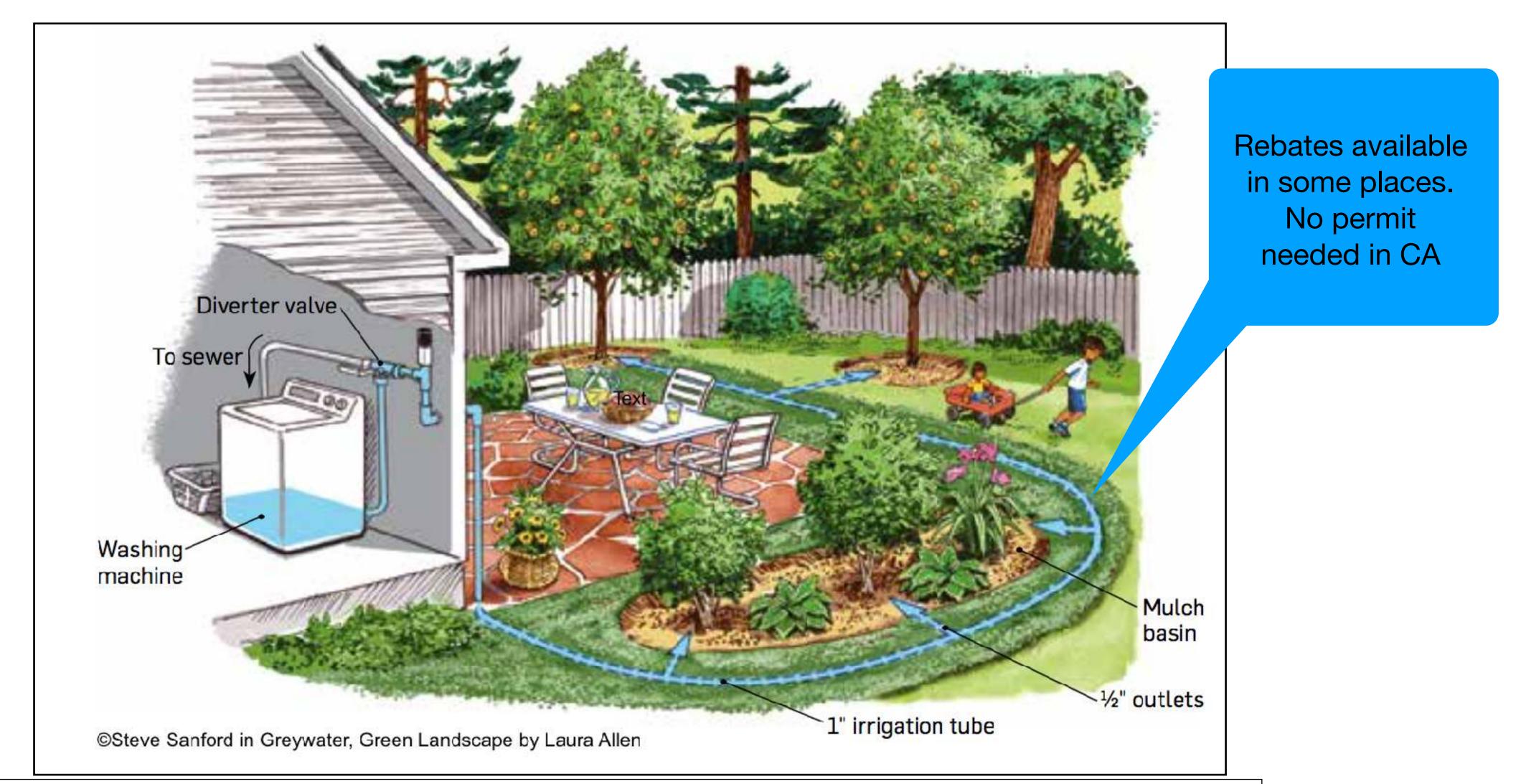
Create green jobs







Laundry-to-Landscape System



Costs: \$150-\$250 parts, \$700-\$2,500 professional installation



www.upperdistrict.org

Inside Plumbing



Greywater goes to landscape

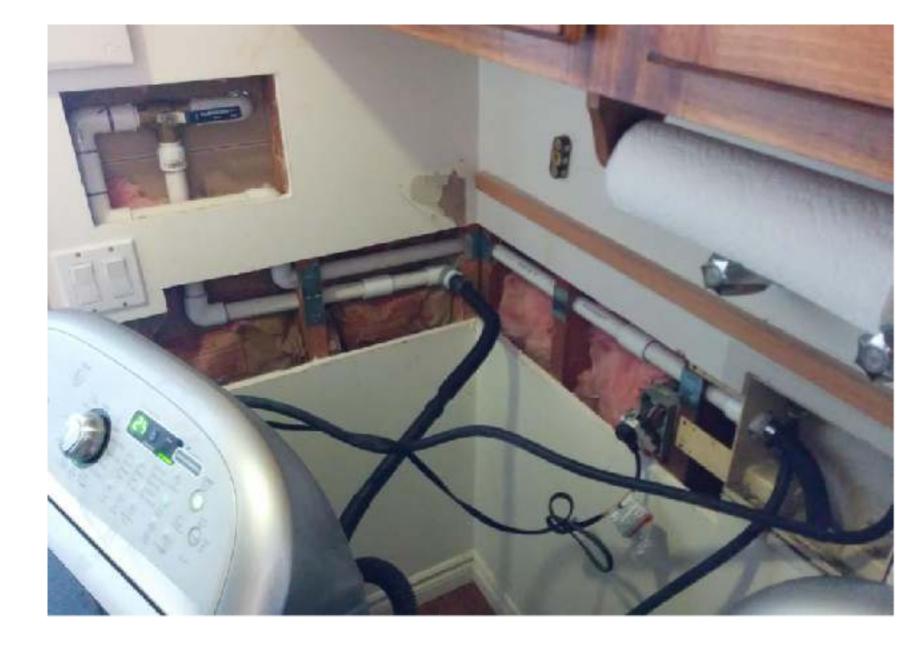
Sewer connection

Diverter





Image: Ty Teissere





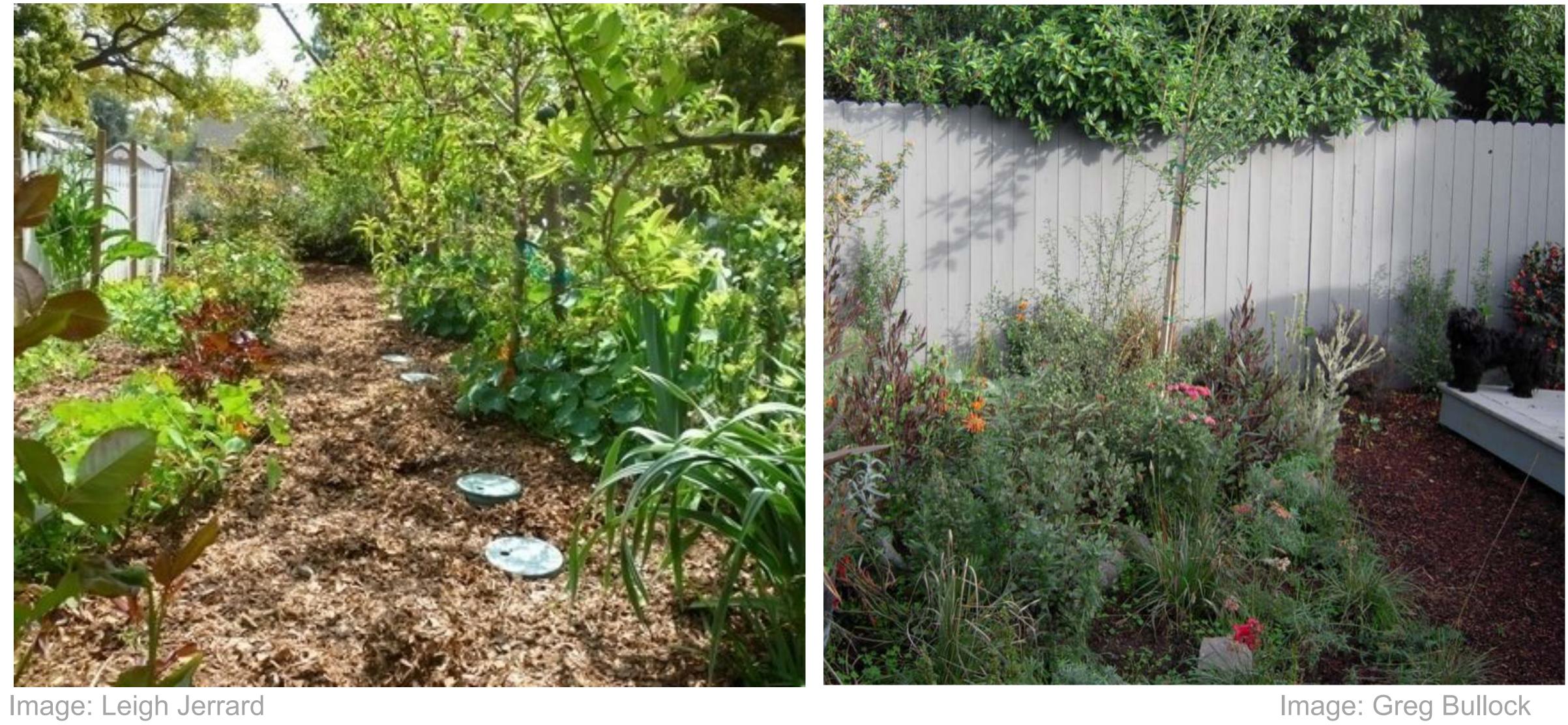
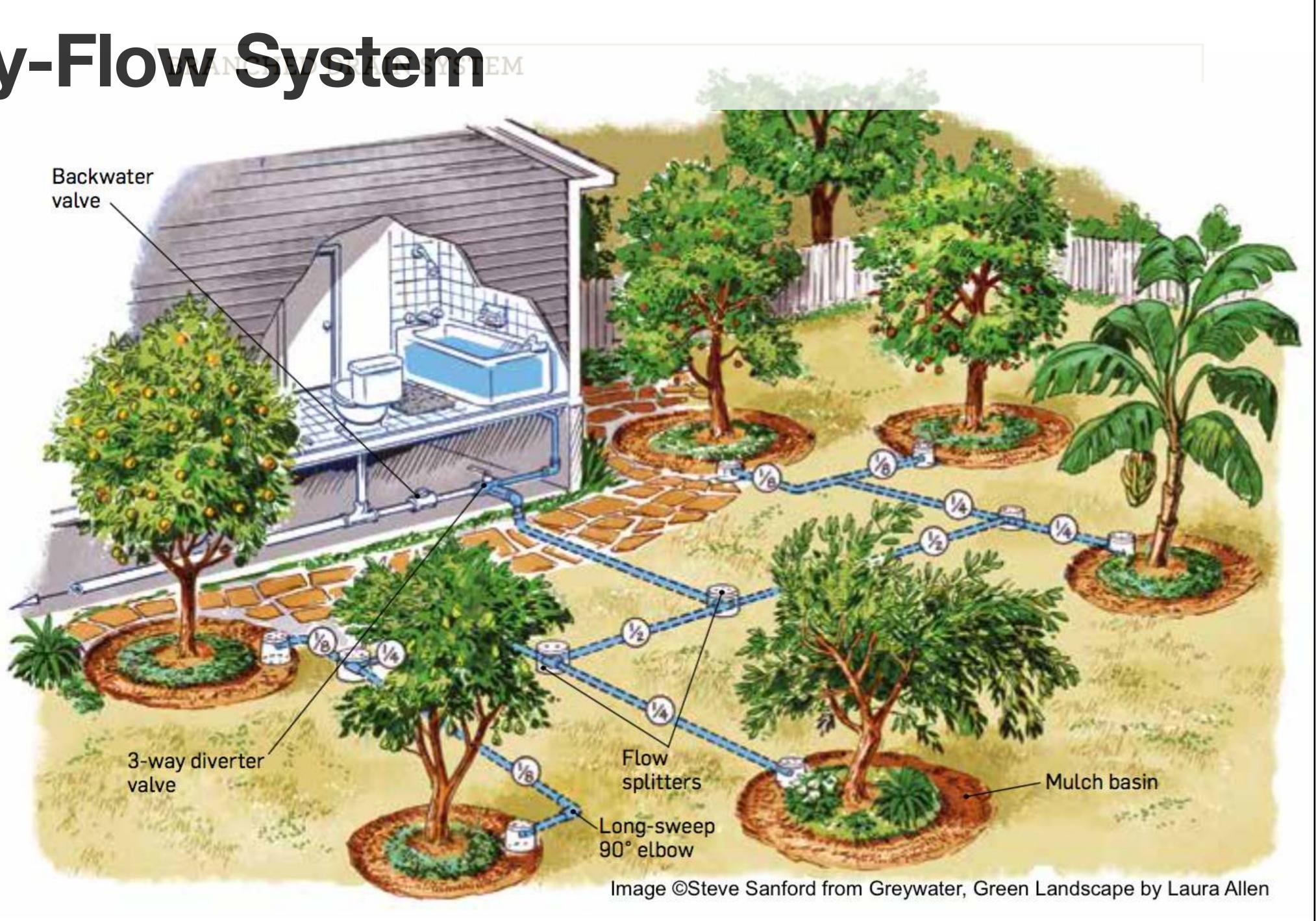


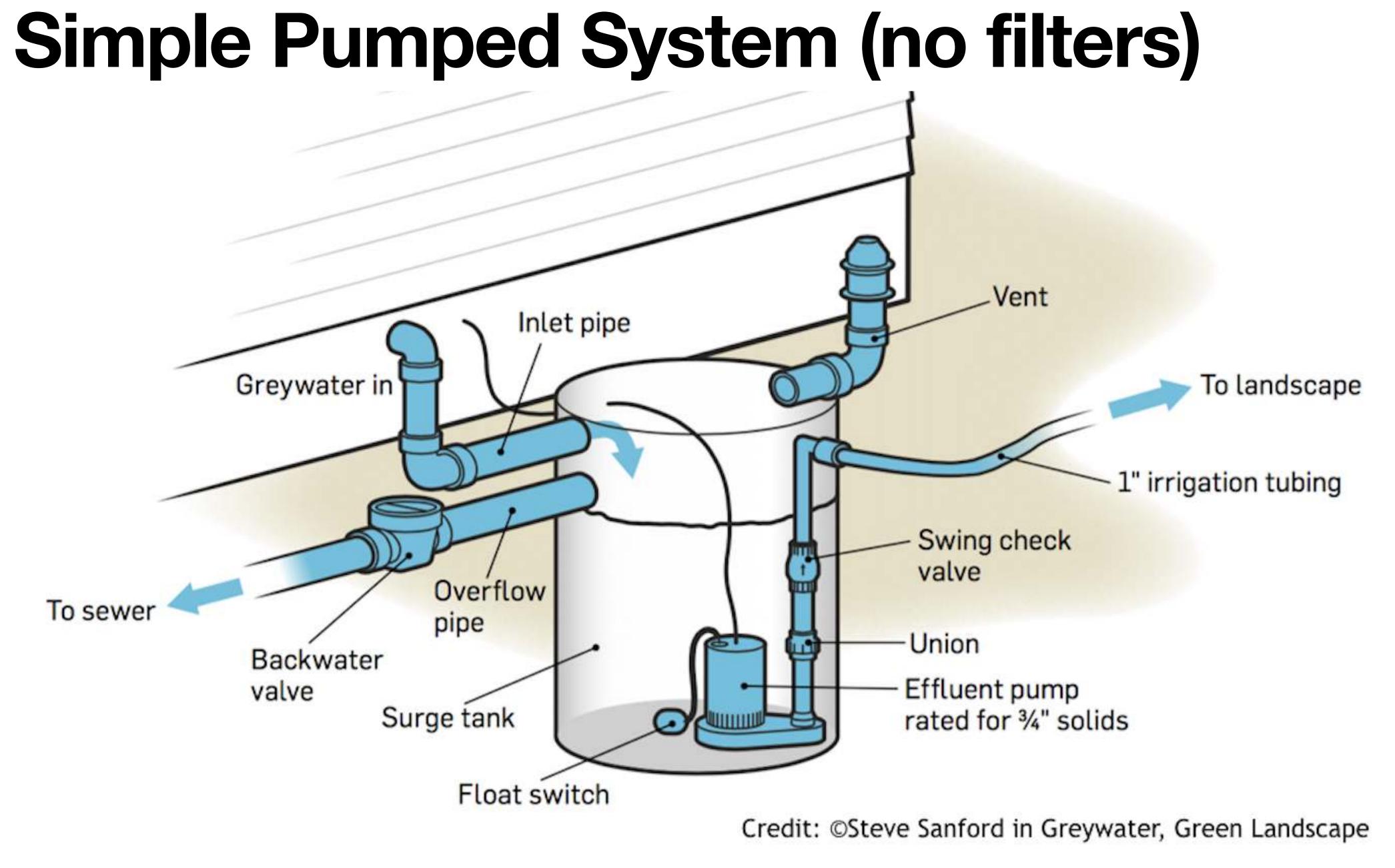
Image: Greg Bullock

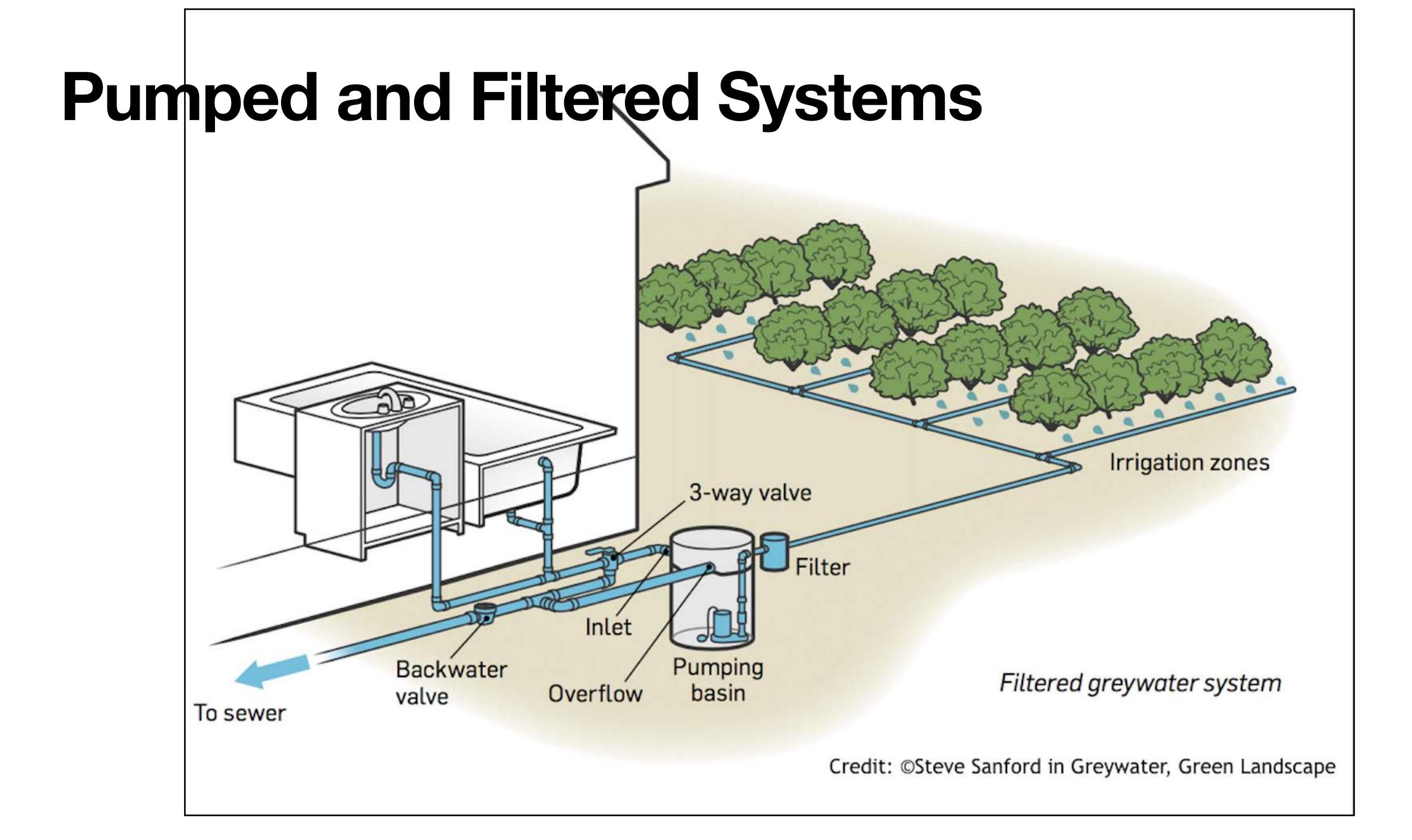
www.greywateraction.org



Gravity-Flow System







Whole House Systems with potable backflush

Image: <u>watersprout.org</u>



GW Irrigated Lawn

Evergreen Lodge (Yosemite)



Pumped and filtered system for commercial laundry and employee housing

55 gravity-flow system from guest cabins



Greywater-Ready Construction

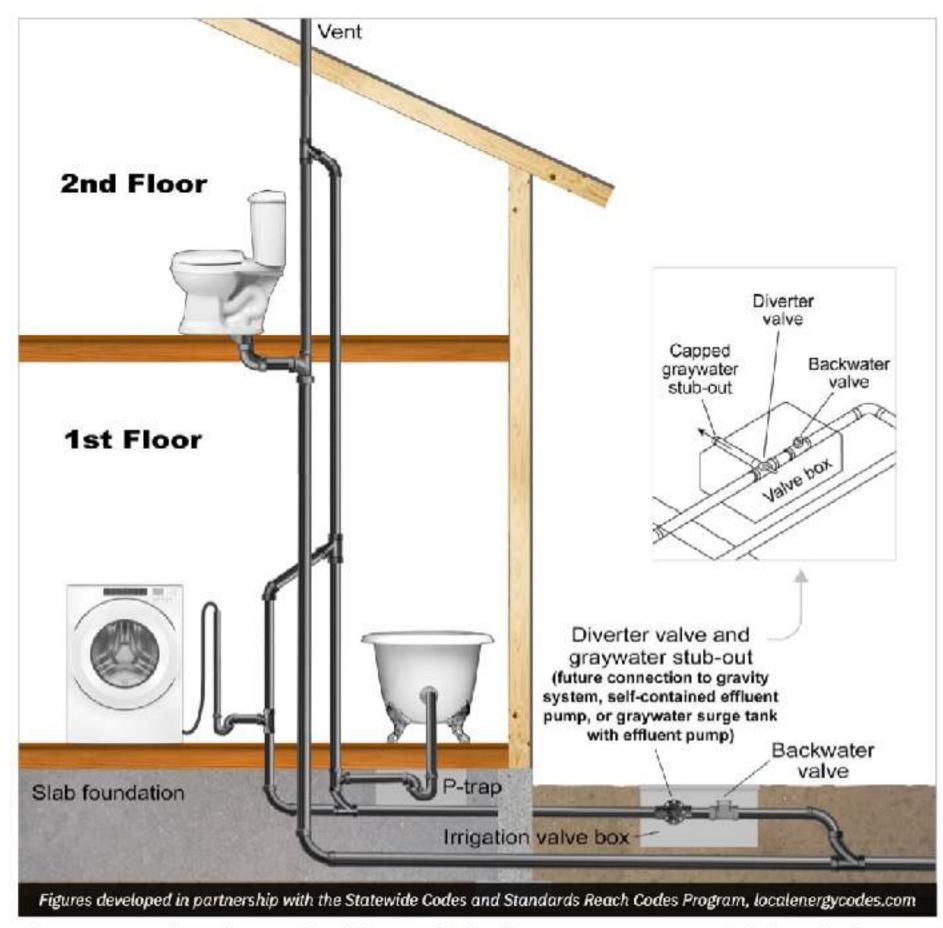
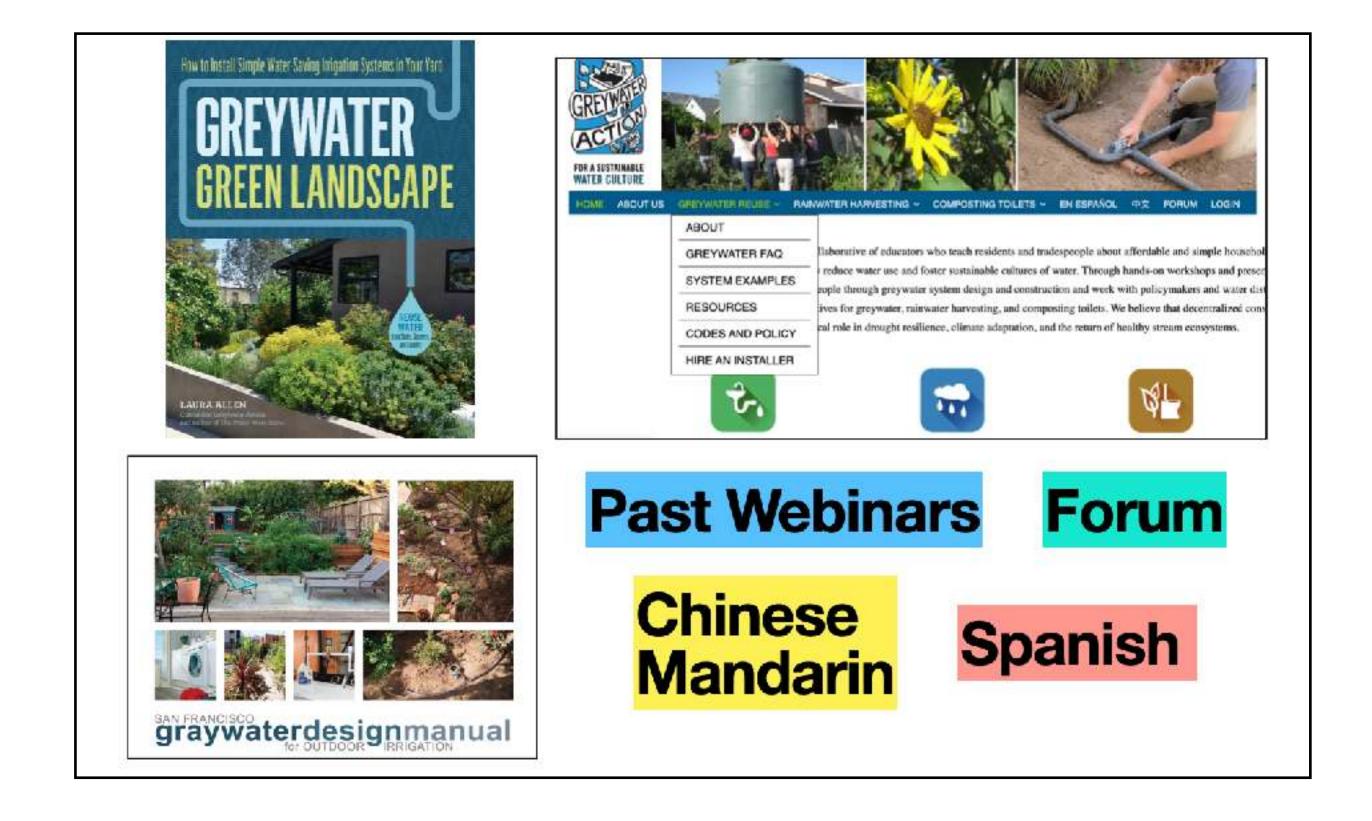


Figure 3a. Dual Drainage Plumbing: Multiple fixtures on concrete slab foundation

https://localenergycodes.com/content/reach-codes/energy-plus-water-1/

How to Learn More Classes, Books, Online

- On-line education with Greywater Action
- Book: Greywater, Green Landscape
- Tons of free resources (past webinars, articles, links to studies)





FOR A SUSTAINABLE WATER CULTURE

Laura Allen, Greywater Action laura@greywateraction.org

Thank you!

