## **WORRIED ABOUT DROUGHT?**

Rainwater Catchment is

Clean, Green, & Effective



Use Rainwater to irrigate your garden as a Low Impact Development (LID) strategy.

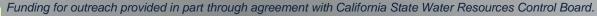
Harvesting roof runoff saves water, energy, and money.

You can store water in tanks or cisterns or in the soil as raingardens and swales.

**Not Potable** - Rainwater caught from your rooftop is not safe for uses other than landscape irrigation without a permit.

## Here is How to Collect it

- 1) Calculate roof area leading to each gutter, then calculate how much rain you can capture (1" storm on a 1000 ft<sup>2</sup> roof yields 625 gallons of water). Fort Bragg Rainfall = 30-40 in/year. Collect some!
- 2) Find best location for tank with regard to setbacks, gravity flow, soil stability, proximity to end use irrigation, etc.
- 4) Tall tanks provide more pressure for irrigation. Tank height should not exceed twice the tank width without engineering for earthquake safety and must not exceed 12 feet without a permit.
- 5) Make sure gutters slope at about 1% to the tank for gravity flow and clean gutters. Consider using downspout filters and first-flush options to keep tanks cleaner. Install mosquito screens on tank inlets and outlets.
- 6) Convey tank overflow pipe from tank to a rain garden or swale.





\*No permit is required for basic systems - such as tanks to be filled from roof runoff that are less than 5000 gallons, are at ground level, and meet existing setback requirements\*