

Functions of StormGUARDen™

Our mission is to provide a system for managing rainwater that reduces runoff pollution and combined sewer overflows. With StormGUARDen™, property owners can control their stormwater within a small footprint before it causes problems downstream! StormGUARDen™ is a stormwater management device, placed at the bottom of your downspout, that redirects water from your roof and allows it to infiltrate the ground at a safe distance from your home's foundation. Combining the functions of a rain garden and rain barrel, it provides for your plants, filters out rooftop contaminants, retains the volume of 7 rain barrels of stormwater throughout the process of a rain event, and allows that water to discharge at a much-reduced flow rate. StormGUARDen™ removes the rooftop as a contributing source of runoff pollution and combined sewer overflows.

Homeowner Benefits

- Relocates stormwater a safe distance from your home's foundation
- Grow food/native plants
- Self-watering garden
- Store rainwater for other uses
- May improve wet basements
- ADA accessible gardening bed
- Landscape feature
- Pollinator habitat
- Functional in winter



Community Benefits

- Reduces flows to sewage treatment plant (combined sewer area)
 - Reduces chances of combined sewer overflows
 - Reduces cost of treating wastewater
- Reduces runoff volume (separate sewer area)
 - Reduces runoff pollution
 - Reduces peak flows during rain events
- Allows roof runoff to infiltrate ground
 - Relocates stormwater a safe distance from building foundations
 - Recharges ground water

