LID at WSSI
Self-guided Tour

Rain Garden

This rain garden soil media is 3" deep and is comprised of approximately 80% peat, 10% organic matter, and 5% fine sand. Beneath the soil media, 6" deep layers of gravel provide proper moisture retention capacity and allow water to infiltrate to the underlying gravel bed drainage system.

Wetland rain gardens are planted with a variety of native species including perennial shrubs and trees, which were selected specifically for their ability to withstand both dry conditions and periods of inundation. They provide shade, wildlife habitat, and soil improvement, and also create micro-pools in the soil, which will increase the rain garden's permeability over time.

Rain Garden Design
- 1200 Gal. potting area with 1,186 sq. ft. buffer
- 15" high impervious concrete parking median and curbs, overflow
- Trench drain reduces excess precipitation volume
- Stormwater Benefits
  - Increases time of concentration (time it takes for precipitation to reach the stream)
  - Adsorption, evapotranspiration, and infiltration reduce overall volume and nutrient load

Maintenance:
- Weeds and upkeep is done on an as-needed basis
- Mulch is replaced annually