



# LOUTTIT LIBRARY RAIN GARDEN

274 VICTORY HIGHWAY WEST GREENWICH, RHODE ISLAND 02817

The **Louttit Library Rain Garden** was constructed on October 28, 2011 as hands-on training for participants in the Rhode Island Residential Rain Garden Training Program, a 2-day workshop conducted by the University of Rhode Island Cooperative Extension. The **200 square foot garden** is designed to collect, treat, and infiltrate **1 inch of stormwater runoff** from a portion of the Louttit Library roof (approximately **1200 square feet of drainage area**). A downspout fed by rain gutters along the front façade of the library was disconnected, buried below grade, and subsequently directed into the garden. Previously, the downspout discharged **untreated runoff** directly into a nearby storm drain. An existing planting bed adjacent to the rain garden serves as an **overflow area** in the event of large storm occurrences. The garden's **native soil texture is predominantly loam**, with an **infiltration rate of 4 inches per hour**. Prior to planting, the existing soil was amended with **1 inch of compost**. A selection of native species was specified for planting, with the ability to tolerate both **wet and dry conditions**. After planting, a **2-inch layer of mulch** was applied in order to control weed growth and regulate soil temperature, as well as for aesthetic value.

## PLANT LIST

- Adiantum pedatum* - Maidenhair Fern
- Aquilegia canadensis* - Wild Columbine
- Aster dumosus* - Hardy Aster
- Cephalanthus occidentalis* - Buttonbush
- Clethra alnifolia* 'Hummingbird' - Sweet Pepperbush
- Ilex glabra* 'Shamrock' - Shamrock Inkberry
- Vaccinium angustifolium* - Lowbush Blueberry

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*Funding for construction and plant materials and site preparation was provided by the Town of West Greenwich.*

*For more information about the Louttit Library Rain Garden, please contact Kate Venturini at the URI Outreach Center, 401.874.4096 or [kate@uri.edu](mailto:kate@uri.edu).*

