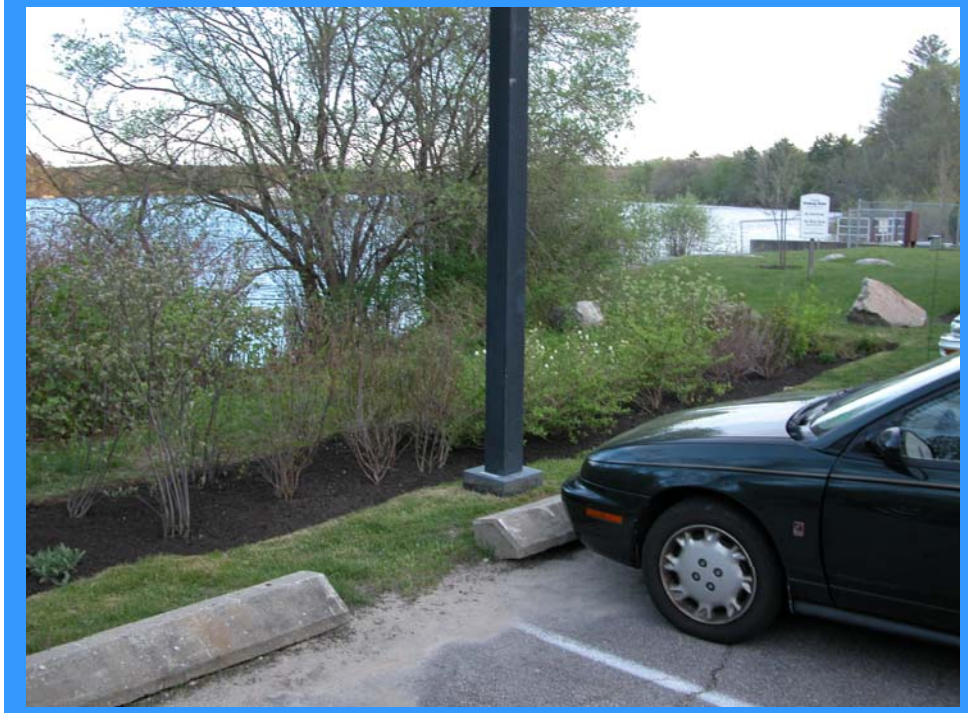
Demonstration Raingarden at Lily Pond

Placement of Bioretention Soil Mix

Demonstration Raingarden at Lily Pond

Planting in June 2005

Demonstration Raingarden at Lily Pond



May 2007

September 2005

Roadside Raingardens as Drainage Retro-fits

Thirty-six (36) rain gardens to date

(29 residential and 7 along Rt.3A)

Rt.3A Mass Highway Bioretention Cell

Future Benefits

- Reduced Flooding.
- Increase Aquifer Recharge and help to increase baseline flows in streams.
- Increase Pollution Attenuation and Treatment
- Reduced Impacts on Receiving Waters and the Associated Biological Community
- Enhanced Property and General Public Health and Safety Protections
- Better Local Controls for Regulating Storm Flows and Runoff Volumes

Additional Pros & Cons

- Most BMP's are on Private Property
- BMP's often require regular maintenance
- Localized flood across various properties may be considered a taking increasing implementation costs
- Easements likely required for Town funded BMP's on private property
- Freshwater wetland impacts may be associated with increased stormwater storage in existing resource areas
- Potential for over 3 MCF of additional storage
- Estimated Cost $1.1 M