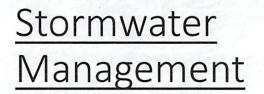


## Stormwater Management and Enhancing Open Space in Cambridge, MA

James Wilcox, Director of Engineering Services

Jennifer Letourneau, Conservation Commission Director/Senior Engineer



Department of Public Work's Role

- Compliance with NPDES permit
- Public and Private Property
- Before, During and After Construction



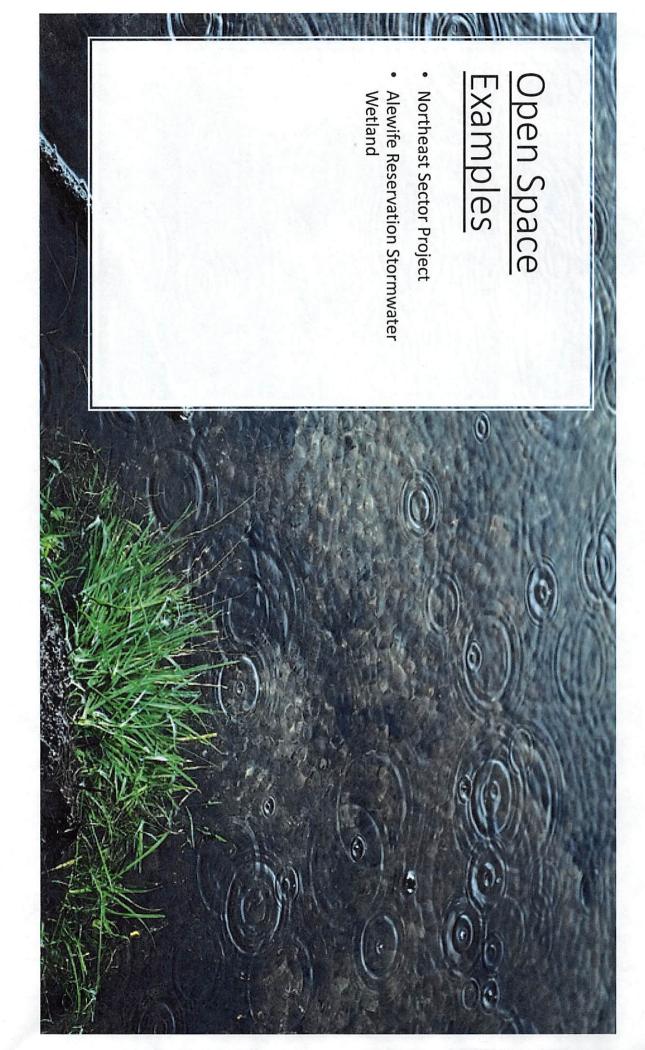


Goal= Control Quantity and Quality of Stormwater

## Three (3) Components:

- · Site Planning and Design
- Source Controls
- Structural (Grey and Green ) and Non-Structural Best Management Practices (BMPs)- Grey and Green





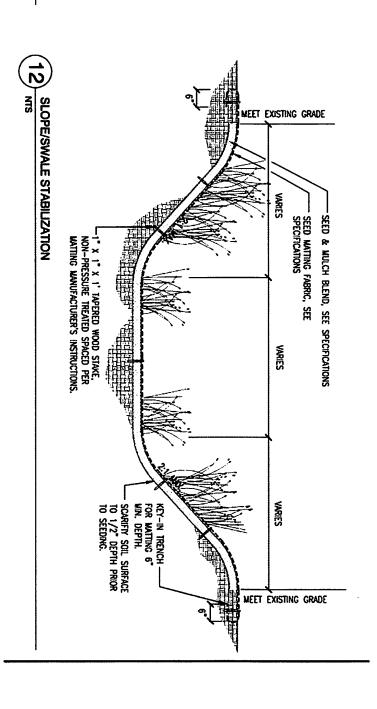
## Northeast Sector Project

Completed 2006

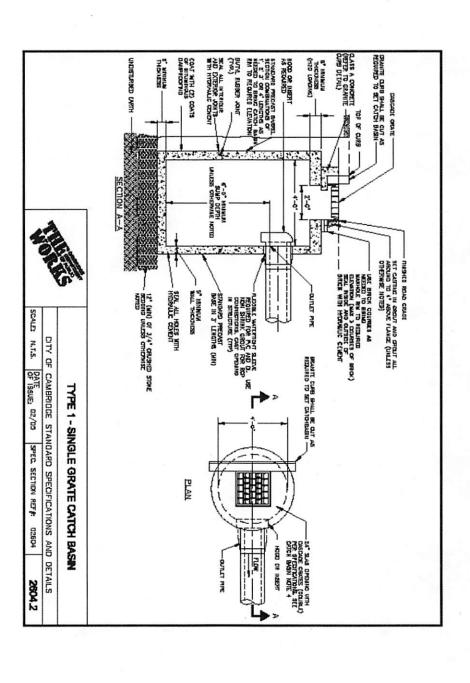
- Improve the health of Fresh Pond Reservoir by reducing erosion and enhancing natural filtration processes
- Reduce invasive plant species and increase native species diversity within the Reservation
- Create beautiful, universally accessible space within the Reservation
- Produce new, inviting active use areas further from the Reservoir











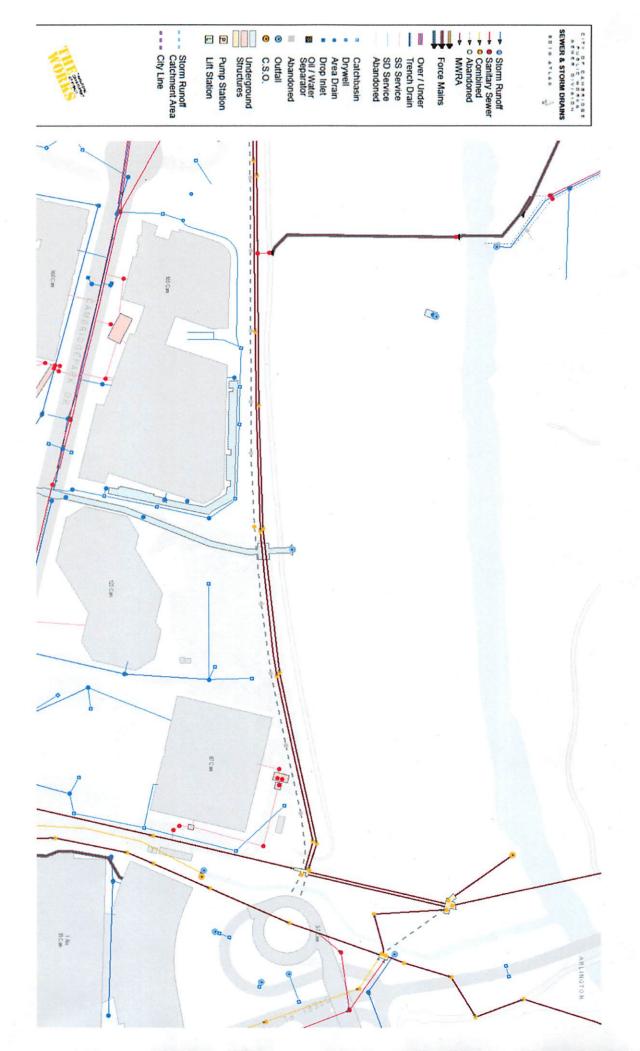
## Alewife Reservation Stormwater Wetland

Completed 2013

- 3.4-acre project serving 300+ acres
- The largest engineered wetland in the Eastern United States
- Designed allow sewer separation in West Cambridge, reducing Combined Sewer Overflows (CSOs) to the Little River
- Retains and treats separated stormwater in a constructed wetland before being discharged to the Little River and ultimately Alewife Brook, Mystic River, and Boston Harbor.









THANK YOU!

ANY QUESTIONS?

