



Engineering Division

TOWN OF ARLINGTON
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Town of Arlington Stormwater Activities

Arlington Stormwater Awareness Series:

The Town of Arlington Engineering Division hosts a bi-monthly Stormwater Awareness Series open to residents of the Town of Arlington and the general public.

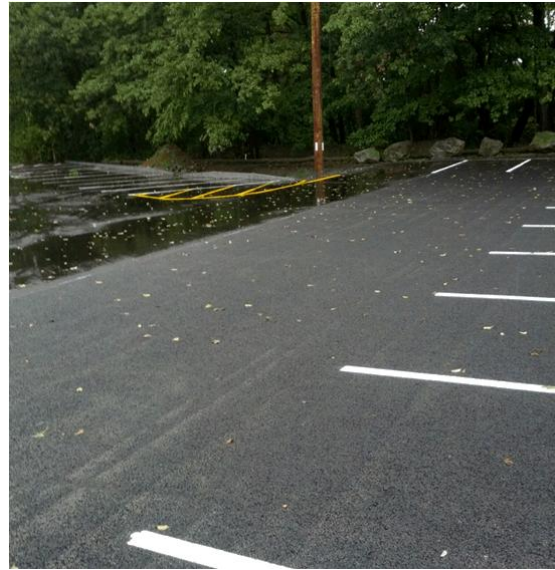
The series is designed to educate residents on Stormwater and the impacts on runoff, water quality, flood control and prevention, erosion and other stormwater related impacts within the Town of Arlington. Information will be provided by stormwater professionals for the purpose of increasing awareness of these issues within the Town and to provide information for residents to help understand how the surrounding environment affects, and impacts, the local water resources and what can be done to reduce these impacts.

The presentation topics were recorded for on-demand viewing by ACMI; the local cable station and include:

- Session #1: Introduction to Stormwater
- Session #2: Low Impact Development
- Session #3: Arlington Stormwater
- Session #4: Rain Barrels & Rainwater Harvesting
- Session #5: Sustainable Landscaping
- Session #6: Permeable Pavers
- Session #7: De-paving
- Session #8: Protecting the Environment through Stormwater Management
- Session #9: Soak up the Rain – Town of Arlington
- Session #10: 604b Grant Project Overview
- Session #11: Soak up the Rain - EPA
- Session #12: Restoring Water Quality and the Hydrologic Cycle
- Session #13: Stormwater; Keeping it Clean
- Session #14: Living Roof: Bus Shelter Green Roof Initiative
- Session #15: Stormwater Management: Financing Options
- Session #16: After the Snow
- Session #17: Blue Cities

Hurd Field Porous Pavement Project (2012):

The Town of Arlington was awarded an EPA Grant to allow the reconstruction of a majority of the parking lot with porous pavement. The remainder of the parking lot was paved by the Town with standard impervious pavement.



Hurd Field Rain Garden (2012):

The Town also partnered with the Mystic River Watershed Association. With some minor grading changes and removal of existing pavement the Town was able to expand on the water quality improvements of the porous pavement project by directing the runoff from the entire impervious area into a rain garden.



Hurd Field Parking Lot - Before



Hurd Field Rain Garden - After

Hardy School Rain Garden (2013):

The Town DPW partnered with the Mystic River Watershed Association and Fay, Spofford & Thorndike to design and build a rain garden at the Hardy Elementary School. The majority of runoff from the 11,000 sf parking lot is now directed into a rain garden for water quality treatment and infiltration. to design and build a rain garden in conjunction with the Porous Pavement Project



Town of Arlington Illicit Discharge Detection and Elimination Program:

With assistance from consultant Fay, Spofford & Thorndike, the Town of Arlington coordinates the investigation and sampling of sewer and stormwater infrastructure to identify and remove cross-connections. Rehabilitation projects are then identified to perform structural repairs design to remove contamination and rehabilitate deteriorating infrastructure susceptible to inflow and exfiltration.

2015 Stormwater Investigation and Rehabilitation Program:

In preparation for the Massachusetts Avenue Re-build Project the Town investigated the drain lines beneath Massachusetts Avenue to identify any issues prior to construction of the re-build project. In addition, several other areas were investigated to determine the overall condition of the stormwater infrastructure.

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| • Massachusetts Avenue & Side Streets; | 16,000 lf |
| • Windsor Avenue & Henderson Street Drainage System; | 7,000 lf |
| • Arlington Center, Mystic St., Chestnut Terrace area; | 6,400 lf |
| • Summer St. & Overlook Road area; | 2,200 lf |
| • Elmhurst Road and Lakehill Avenue; | 5,200 lf |
| • Poet's Corner Field Area; | 1,300 lf |

Upon completion of the investigation several structural deficiencies were identified and scheduled for repair. As part of this repair program two separate reoccurring water quality degradation issues of both Spy Pond and Mill Brook will be repaired and addressed.

Soak Up the Rain Program (2013):

The Town of Arlington has collaborated with the United States Environmental Protection Agency in an effort to expand its outreach to the community about stormwater awareness. The goal is to educate residents and businesses about the impacts of stormwater runoff, and how actions at the community level can reduce flooding and improve the quality of our surrounding water resources. The Soak up the Rain initiative builds off of the Town's current outreach efforts of its Stormwater Awareness series hosted by the Engineering Division since the spring of 2012.

2016 Flood Mitigation Program:

The town is evaluating alternatives for installing low impact development infrastructure to improve water quality, increase infiltration of stormwater runoff and increase flood storage capabilities.

- Arlington Stormwater Advisory Committee: This committee will be tasked to evaluate current regulations, ordinances and policies related to stormwater

Stormwater Advisory Committee:

The Department of Public Works; Engineering Division is currently evaluating current stormwater regulations and policies as well as capital planning requirements while determining the feasibility of a Stormwater Advisory Committee to assist in the review and long term stormwater planning issues.

National Flood Insurance Program (NFIP); Community Rating System:

The Department of Public Works; Engineering Division is currently reviewing the NFIP; Community Rating System to evaluate the criteria considered during review of Municipality CRS Program applications. Member communities that meet certain thresholds allow for discounts to residents that purchase flood insurance through the National Flood Insurance Program. Upon reviewing the requirements, the Town will evaluate the benefits of the program as consideration is given to submitting an application.