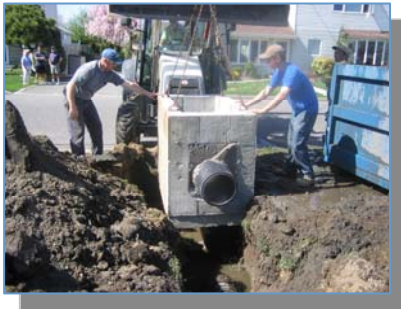
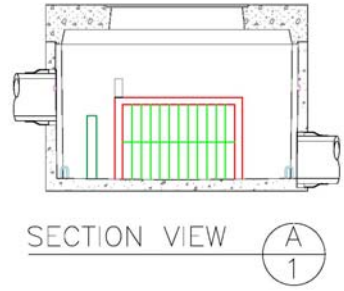


## Smart Sponge® Vault

As an alternative to treating individual catch basins Smart Sponge Vaults utilizing Smart Pak filtration modules are ideal for stormwater treatment at the end of pipe. Vault sizes can be adapted for various flow rates and contamination levels to solve a wide range of stormwater treatment issues.

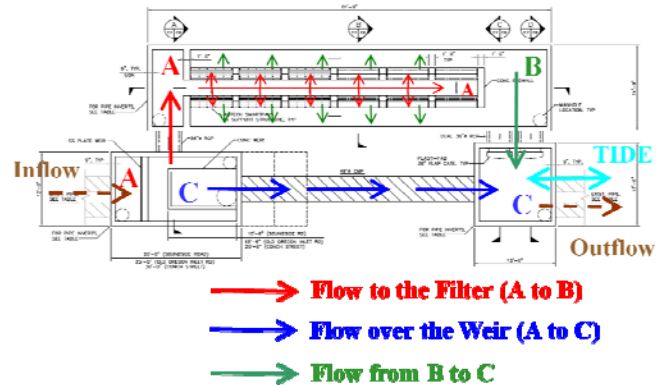
### Case Study – End of Pipe Installation, Long Island, NY

As illustrated in the pictures below, precast vaults can be used for ease of installation. The prefabricated metal cage can be adjusted to contain the appropriate number of Smart Paks for filtration, while meeting hydraulic specifications. The vault lid can be easily removed for maintenance and replacement.



## Smart Sponge® Custom Vault

Smart Sponge custom Vaults can also be engineered to treat a variety of large projects either as standalone applications or part of a treatment train to polish water working with retention ponds or hydrodynamic separators. These engineered solutions can be direct or radial flow, and can easily be adapted to treat first flush while allowing the later flow of a major storm event to pass around the systems to achieve the hydraulic requirements of the watershed.



### Case Study – Outfall Pipe Installation, NC

The Conch Street Outfall, Nags Head, NC is a project managed by NC Division of Water Resources and designed by Moffatt and Nichol Engineering. AbTech supplied 980 Smart Paks meeting rigorous performance requirements for oil, grease and coliform bacteria.

