

OLMSTEAD POND MODIFICATIONS

Norwalk, Connecticut



Pre-Construction – August 2007



During Construction – March 2009



During Construction – May 2009



After Construction – November 2009

Client

City of Norwalk

Description

The City of Norwalk prioritized seven locations that have chronic flooding problems for their forthcoming capital improvements projects. The Olmstead Pond project involved draining an existing impoundment and making modifications to the embankment and outlet control structure to increase the basin's available storage capacity. The improvements have resulted in the reduction of peak storm runoff flows to the downstream system, thereby reducing the magnitude and frequency of flooding of the adjacent neighborhood.

Improvements within the basin itself included the installation of a meandering pilot stream channel, with a sediment forebay at the headwater and a stilling basin at the outlet structure. The channel banks were formed using coconut fiber coir logs and planted with native wetland shrub species. The channel overbanks which are subject to intermittent inundation, were restored using existing loam and sediments from the basin, seeded with a wetlands vegetation mixture, and planted with interspersed native wetland shrub species. Construction was initiated in January 2009 and completed in May 2009.