

**New York City Department of Environmental Protection
Bureau of Water Supply**

**Report on Stormwater Remediation Projects for the
East of Hudson (EOH) Nonpoint Source Pollution Control Program**

March 2019

*Prepared in accordance with Section 4.9 of the NYSDOH
2017 Filtration Avoidance Determination*



Prepared by: DEP, Bureau of Water Supply

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The following provides a summary and status update of two Stormwater Remediation Projects for January 1, 2019 through March 31, 2019. The New York City Department of Environmental Protection (DEP) has completed the design and bid phase for both projects.

The Drewville Road and Maple Avenue projects are under the same contract. During the first quarter of 2019, the design consultant renewed the Town of Carmel Wetland Permit to September 30, 2020 and submitted the Pre-Construction Notification to the US Army Corps of Engineers. A site visit took place on March 8, 2019 between DEP and the contractor to coordinate tree-clearing activities. On March 26, 2019, the contractor mobilized to the site and began removing trees.

Maple Avenue, Town of Bedford, Westchester County

The Maple Avenue site consists of two roadside ditches located in the Cross River Reservoir watershed. To prevent the buildup of sediment along the hillside and water's edge, a sediment and gravel collection system was designed to concentrate deposition at a location where it can be easily accessed and periodically cleaned. The deposition control system includes a hydrodynamic device and filter practice. The system is designed to handle the combined flow, with an engineered overflow controlling the flow of clean water over a weir and to the reservoir.

Drewville Road, Town of Carmel, Putnam County

The drainage area for the project includes asphalt paving on Drewville Road and Drew Lane, impervious rooftops, asphalt-paved parking lots, and wooded and grassy areas. Runoff from the drainage area is collected in a roadside drainage ditch on Drewville Road and drains to Croton Falls Reservoir. The primary objectives of the project are to repair the drainage ditch to prevent erosion within the ditch, prevent undermining of the rock wall adjacent to the ditch, and reduce the amount of sediment deposition in the woods and along the shoreline of the Croton Falls Reservoir. The stormwater measures consist of a forebay and a micropool, which will extend the detention time of the stormwater, allowing solid material to settle.