

**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**

September 2019

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



Prepared by: DEP, Bureau of Water Supply

Report on Stormwater Remediation Projects for the East of Hudson Nonpoint Source Pollution Control Program

The following provides a summary and status update of two Stormwater Remediation Projects for July 1, 2019 to September 30, 2019. The New York City Department of Environmental Protection (DEP) commenced the construction phase at both sites in early 2019.

During the reporting period, the contractor imported required fill to the Drewville Road site and roughed out the forebay and micropool. The precast diversion box, micropool headwall, discharge channel headwall, and portions of the piping were installed. The contractor continues to shape the basin and install required piping and drainage channels. For the Maple Avenue site, the contractor has submitted shop drawings to the design consultant for review and approval. Pictures of the Drewville Road site on September 16, 2019 are below.

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.

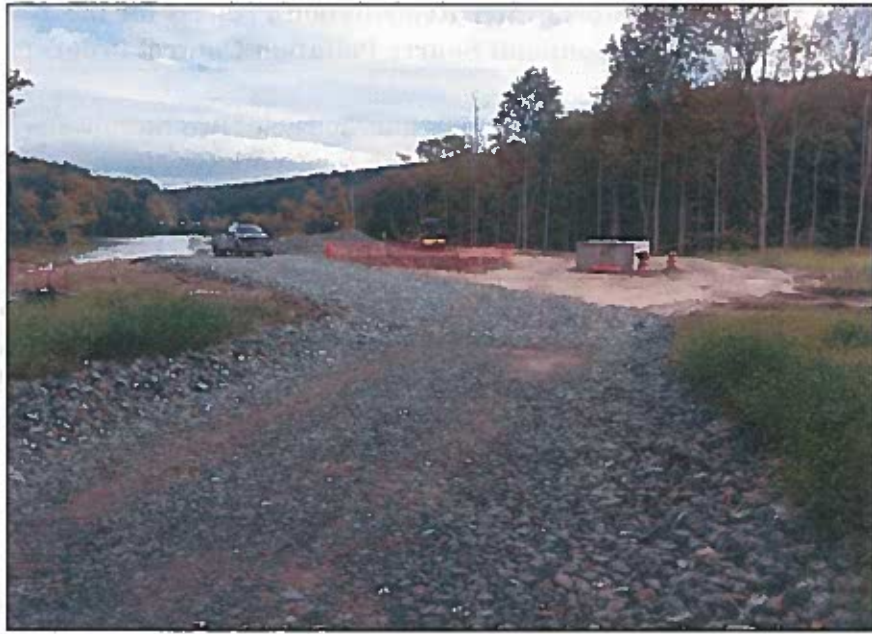


Figure 1: View of Drewville Road showing precast diversion box (right) and forebay (orange construction fence in center).



Figure 2: Micropool at Drewville Road showing outlet headwall and piping.