Stormwater Detention
Dublin, VA

**ENGINEER**
ZMM Architects & Engineers, Blacksburg, VA

**CONTRACTOR**
Sowers Construction, Cana, VA

**INSTALLATION DATE**
July 2021

**PRODUCTS**
- 1,700 MC-4500 StormTech® Chambers
- 9,000’ (2,743 m) of N-12® HDPE Pipe
- 30 ADS Nyloplast® Curb Inlets
- 3 ADS Barracuda® Stormwater Separator
- 1 BaySeparator® Stormwater Treatment System

**DESCRIPTION**

In order to help clients meet the Virginia Department of Environmental Quality’s regulations for stormwater, various ADS products were used on a project that could handle nearly 2.5 million gallons (11 million liters) of water.

Four beds of StormTech MC-4500 detention chambers were installed to handle the stormwater storage. The chambers also provided stormwater quality as StormTech Isolator® Row was utilized for removal of total suspended solids.

For pretreatment of the stormwater, each chamber unit was equipped with a Barracuda hydrodynamic separator. A BaySeparator water quality unit was placed upstream for addition stormwater treatment. Nyloplast curb inlets captured the stormwater and N-12 water tight pipe was used to convey stormwater. Nyloplast and N-12 have water tight connections, which were used because of seepage concerns.