

St. George's Gate Stormwater Management Facility Retrofit

Background:

St. George's Gate was constructed in the 1990s off Deer Park Road in Finksburg. Stormwater quantity management is provided by a detention basin adjacent to Wheatfield Road.

Scope of Work:

The existing facility will be retrofitted to a surface sand filter to provide stormwater management to a 32-acre drainage area, 5 acres of which are impervious. The project includes geotechnical testing, removal of the existing weir wall, and installation of new underdrain outfall. The goal is to provide water quality treatment, channel protection, and management of the 10-year storm back to forest/meadow conditions.

Brudis & Associates, Inc. was awarded the design contract in December of 2019.

Sequence of Construction:

Construction of the facility was awarded to Magstone in February of 2024 with Notice to Proceed issued in June. All necessary Federal and State permits were obtained for the project. The County worked with the Center for Watershed Protection to include bio-char into the media of this facility. Construction wrapped up in Spring of 2025.

Project Details:

Watershed:	Liberty Reservoir
Drainage Area:	32 acres
Impervious Surface Treated:	5 acres
Costs: Engineering	\$ 41,200.00
Construction	\$462,792.19
Time Frame:	5.5 years

Submitted By:

Kelly Martin
Watershed Grants Technician







