

Hawk Ridge Stormwater Management Facility Retrofit

Background:

Hawk Ridge is located off of Caracara Court in the Town of Sykesville within the South Branch Patapsco Watershed. Stormwater management for the Hawk Ridge Farm subdivision was provided by a wet pond. The pond goes into Shannon Run, a small stream that flows under Kalorama Road and then approximately 2000 feet to another wet pond that provides stormwater management for the Shannon Run Phase 2 subdivision.

Scope of Work:

The Hawk Ridge facility was converted to a shallow wetland facility. The facility was retrofitted to be maintainable, have additional water quality storage, and add wetland plantings to improve nutrient uptake. The slopes are no steeper than 3:1 to allow for efficient machine mowing. Step pools were added to convey the drainage entering the facility near the spring house, while the storm drain entering the facility between the homes on Caracara Court was extended to enter a newly created forebay for the facility. Upon completion, the facility was planted with a variety of native species.

Carroll Land Services, Inc. was awarded the design contract in October of 2015.

Sequence of Construction:

Construction of the facility was awarded to Stambaugh, Inc. All necessary Federal and State permits were obtained for the project. Construction began in March 2018, but rain events slowed the project's progress. The project wrapped up in August of 2018. The property on which the facility is located is owned and maintained by the Town of Sykesville.

The Bureau of Resource Management received \$200,000 from the Department of Natural Resources to use towards construction of this project.

Project Details:

Watershed:	South Branch Patapsco
Drainage Area:	60.85 acres
Impervious Area:	19.76 acres
Engineering:	\$71,678.75 (which includes plans for Shannon Run project.)
Construction:	\$233,719.00
Time Frame:	36 Months

Submitted By:

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