

Edgewood Section 1 & 2 Stormwater Management

Background:

The Edgewood stormwater management facility is an existing facility located off of Caren Drive and Cecil Way in Eldersburg. This facility was targeted because of the current condition of the pond, and to provide additional water quality treatment. Due to the condition of the facility, the County wanted to bring it up to current standards thereby ensuring that the facility provides stormwater control and can be easily maintained.

Scope of Work:

The site was analyzed by CLSI to determine if infiltration would be feasible. The design for the facility included a 13” layer of #2 stone with 6” HDPE type “SP” pipe laying on top to draw any excess water off the surface. The pipe was topped with 14” of a sand-soil wood chip mixture. A manhole was added so that the stormdrain could be connected and extended down to outlet into the facility. All of the slopes were designed at 3:1 to allow efficient machine mowing. The existing emergency spillway was modified and lined with 19” of Class I rip-rap. The facility was designed to meet and exceed all current county and state stormwater management regulations.

Sequence of Construction:

The homeowners around the facility were contacted about the retrofit in August of 2009. At that time staff members met with three adjoining property owners to discuss the proposed retrofit. The county worked to keep these neighbors informed of the project throughout the design process. The facility went out to bid on December 16, 2009 with bids due back December 21, 2009.

The job was awarded to CJ Miller, LLC. and was slated to begin in the Spring of 2010. The contractor began working in April of 2010. The contractor completed the project in October, and received it’s grading completion certificate on October 25, 2010. The as-built was accepted by the County on November 4, 2010.

Project Details:

Watershed:	Liberty Reservoir
Drainage Area:	38.0 acres
Impervious Surface Treated:	12.12 acres
Costs: Tree Removal	\$ 7,000.00
Engineering	\$ 26,255.50
Construction	\$ 237,684.00

Submitted By:

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05/18/2010



06/23/2010



10/01/2010