

# Westminster Community Pond Stormwater Management Facility

## **Background:**

The Westminster Community Pond Stormwater Management Facility is located off of MD Route 140 and MD Route 97 N, just north of Sullivan Road. This recreational pond was targeted because of its current condition and the lack of stormwater management in the watershed. The County wanted to construct a new facility that would meet current stormwater management standards thereby ensuring that the new facility would provide stormwater management for the heavily developed drainage area and continue to function as a recreational amenity to the park.

## **Scope of Work:**

The site was analyzed by Carroll Land Service to determine the existing drainage area, along with additional area that could be diverted to the facility for treatment. The investigation concluded that additional drainage area could be diverted into facility through the addition of diversion structures which would maintain base flow in the stream channel, but allow for larger flows to be diverted into the facility for treatment. A new embankment and riser were constructed. Several new storm drain systems were installed to capture storm flows and convey them to the facility. A walking path was included around the facility with a bridge that crossed through the middle. Excess material from the construction of the new facility was transported to an adjacent property owned by the county. The facility was designed to meet and exceed all current county and state stormwater management regulations, while providing enhanced recreational benefits for the citizens.

## **Sequence of Construction:**

The homeowners around the facility were contacted about the retrofit in October of 2009. At that time staff members met with adjoining property owners to discuss the proposed retrofit. The county worked to keep these neighbors and homeowner association informed of the project throughout the design process. The facility went out to bid in August of 2013 with bids due back October 9, 2013. The job was awarded to Kibler Construction Company, Inc., with a pre construction meeting was held on January 24, 2014. The contractor began working in April of 2014. The contractor completed the project in September of 2015 and received it's grading completion certificate on September 3, 2015. The as-built was accepted by the County on December 8, 2015. The County contracted with Quality Outdoor to replace landscaping trees removed as part of the construction, and Red Hill Lawn Service was contracted to plant the Forest Conservation area. HTI Contractors, Inc. was contracted to re-pave and line the parking lot.

## **Project Details:**

Watershed:	Liberty Reservoir
Drainage Area:	250.22 acres
Impervious Surface Treated: County	43.92 acres
SHA	22.76 acres
Costs: Engineering	\$ 108,795.00
Construction	\$ 2,202,684.11
Amenities	\$ 216,170.60
Time Frame:	72 Months

## **Submitted By:**

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