

MELSTONE VALLEY

01/22/2026



PREPARED BY :

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BACKGROUND:

Melstone Valley is a subdivision constructed in the early 1980s located off of Brangles Road in Eldersburg. Quantity management for the subdivision was met by an instream detention basin adjacent to Melstone Valley Way with two large corrugated metal riser structures controlling flow.

SCOPE OF WORK:

After considerable time spent in design and re-design, the instream detention basin was retrofitted to a submerged gravel wetland stormwater management facility, providing water quality treatment for 22.52 impervious acres in the 167-acre drainage area.

CLSI was awarded the design contract in July of 2019.

SEQUENCE OF CONSTRUCTION:

Construction of the facility was awarded to Magstone with Notice to Proceed issued in May, 2025. All necessary Federal and State permits were obtained for the project.

Construction wrapped up in December, 2025.

Carroll County received \$944,520.20 from the Coronavirus State and Local Fiscal Recovery Fund to pay for the construction of this project.

PROJECT DETAILS:

Watershed:	South Branch Patapsco
Drainage Area:	167 acres
Impervious Surface Treated:	22.52 acres
Costs: Engineering	\$100,290.00
Construction	\$944,520.20
Time Frame:	6.5 years

Pre-Construction



During Construction



During Construction



During Construction



Construction Completed



Construction Completed

