

Flints Grove Stream Restoration & SWM Pond Retrofit

Montgomery Co., MD

Existing Flint's Grove Stormwater Management (SWM) Pond which drains to Rich Branch, a tributary of Muddy Branch, which drains to the Potomac River in Montgomery is retrofitted and Muddy Branch tributary is restored in county project.



The SWM Pond Retrofit and Stream Restoration projects in Montgomery County entailed the retrofitting of the existing Flint's Grove Stormwater Management Pond and the restoration of approximately 1,200 linear feet of stream.

The purpose of the work was to provide quality and quantity control, specifically the Water Quality Volume (WQv) and Channel Protection Volume (CPv), in the existing SWM pond and to enhance the Muddy Branch Watershed through bank stabilization, stream restoration, reforestation, and protection of adjacent utilities. Simultaneously, the project reduced pollutant loading, enhanced stream habitat, protected forest areas, and provided control over invasive vegetative growth.

The pond retrofitting and stream restoration work involves the routine of heavy equipment in the moving of earth, controlled placement of earth embankments, placement of rock in outfalls, construction of pre-cast and cast-in-place concrete stormwater structures, and other associated tasks.

