

Environmental Impact Statement

About Wetland Permit, City of Rochester Hills

This brief environment impact statement is provided to document the impacts that the proposed activities will have on the wetland observed on the site.

The proposed activity is to construct a pond and cross an existing County Drain. The pond is proposed to be constructed in an area that is partially wetland but will also be constructed in adjacent uplands. The hydrology for the pond construction project will come from ground water, on site surface drainage and flows from the County drain, which flows through the existing wetland. Approximately 0.32 acre emergent wetland will be impacted by the proposed project. This wetland is dominated by purple loosestrife vegetation, a highly invasive non-native plant. An Michigan Department of Environmental Quality permit has be issued for the project.

This project does not propose to restrain or alter the flows of the County drain. At the outlet at the county Drain boulders are proposed so that erosion does not occur in the drain. The proposed pond construction will improve water quality as the newly created pond will act as a sink for sediment passing through the site in the via the County drain.

The flood storage capacity for the County drain will change (increase) because the area for the pond is mostly upland and will be lowered in elevation.

This proposed pond will not be typical of the ponds located in the general area (mowed lawn to the water's edge). Approximately 50% of the ponds edge will be the existing remaining wetland. In addition the pond will be enhanced to attract wildlife, birds, waterfowl and especially fish by planting tubers and seeding of native aquatic vegetation. The pond is proposed to have depths of as much as 12 feet and should provide good fish habitat.