

## **How Does Stormwater Drainage Work in Residential Neighborhoods?**

One of the City's primary concerns for the residents of Warrenville is ensuring that flooding and ponding from rainwater is minimized. Stormwater drainage design throughout the City incorporates both storm sewer pipes and overland drainage. Water from the ground, roofs, foundation drains, and sump pumps should flow into a storm sewer or over land, eventually being absorbed by the ground or deposited into lakes, streams, and rivers.

Front, side, and back yards typically utilize overland drainage. The water flows from the home, toward the front or back yards and eventually across four to five lots until it reaches an outfall location. This outfall location could be a storm sewer pipe, detention pond, or a natural low area.

At times, property owners install landscaping or fences that impede the overland flow causing soggy areas and standing water during heavy rain events. Eliminating standing water on private property is the responsibility of the property owner. However, the City will help identify the cause of the ponding and suggest solutions to alleviate it.

It is important to be mindful of the overland drainage system if residents are going to install landscaping or fencing. These improvements can affect the drainage for the property owner and the neighbors' properties. The City will offer suggestions to preserve the integrity of the overland drainage system during the design stage of improvements.

Questions regarding drainage issues should be directed to the Community Development Department at 630/393-9050.