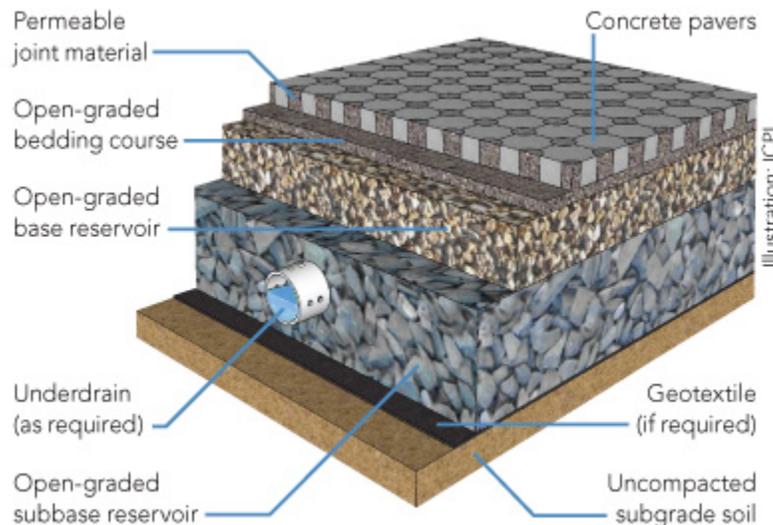


## Pervious Paver Installation at the Community Center

The City of Willoughby Hills has recently installed pervious pavers in a portion of the parking lot at the Community Center. The pervious paver installation was paid for by a grant the City received from the Ohio Environmental Protection Agency Surface Water Improvement Fund. The permeable pavers help to reduce and clean the stormwater traveling over the parking lot after it rains before this water reaches Gully Brook and the Chagrin River. Water travels through the spaces between the pavers into the stone base below. Some of the water soaks into the soil beneath the stone and some of it is slowly released to the storm sewer through a pipe embedded in the stone. These permeable pavers benefit the City and Gully Brook by promoting infiltration, reducing flooding, and decreasing streambank erosion. Gully Brook also benefits from cooler water compared to that traveling over asphalt or concrete, which creates better habitat for aquatic life.

In the winter, pervious pavers are safer than traditional asphalt or concrete because they melt snow and ice more quickly. Once the snow and ice melts, it drains into the stone base below, so no black ice forms on the pervious pavement.



Chagrin River Watershed Partners, Inc. (CRWP) is working with the City to monitor the quantity and quality of the water treated by the permeable pavers. The City is pleased to partner with CRWP as we share their concerns about our water resources. The information gathered by CRWP will be used to determine the effectiveness of pervious pavers and how frequently these pavers need to be maintained. Future permeable paver projects will benefit from this knowledge. The results of CRWP's research will be available at:

<http://www.crwp.org/index.php/projects/research-projects/nerrs-science-collaborative>.