



**Project Timeframe**  
2010

**CASE STUDY**  
**North Buffalo Ice Rink**

Modernizing a community recreation center in North Buffalo

Located on Tacoma Avenue, the North Buffalo Ice Rink (formerly known as Lafayette Ice Rink) is an important community asset that is frequently used by neighborhood residents, local schools, and athletic organizations for hockey and skating. The ice rink is a major recreational resource for Buffalo's youth hockey. It is also very popular for other forms of skating, including open skates.



The North Buffalo Ice Rink originally opened in 1990 as the third public ice rink in the city. In a continuing effort to ensure the vitality of this community asset, the City has invested \$3.4 million in the facility since 2006. As part of that ongoing investment, the City made substantial functional upgrades to the interior, as well as an expansion of the facility's parking lot. The City partnered with Buffalo Sewer to utilize porous pavement in the parking expansion.

**Community Partnerships**

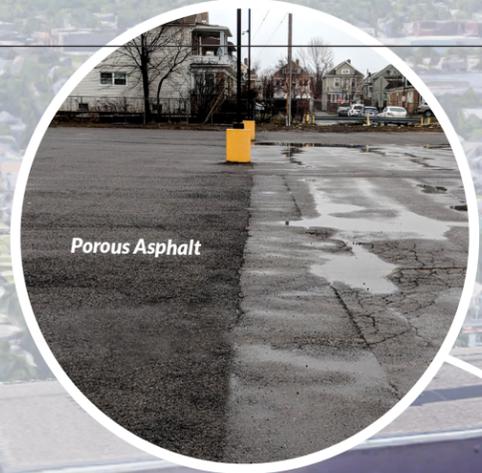
The North Buffalo Ice Rink is owned by the City of Buffalo and operated by the Bison Hockey Organization, an association made up of about 400 families.

**Keeping the stormwater challenge in check with green infrastructure at North Buffalo Ice Rink**

**0.7 acres of porous pavement added**

**These investments at North Buffalo Ice Rink manage stormwater for 0.7 acres of the City.**

**112,208**  
gallons of runoff prevented from entering the sewer system in a typical rainfall event.

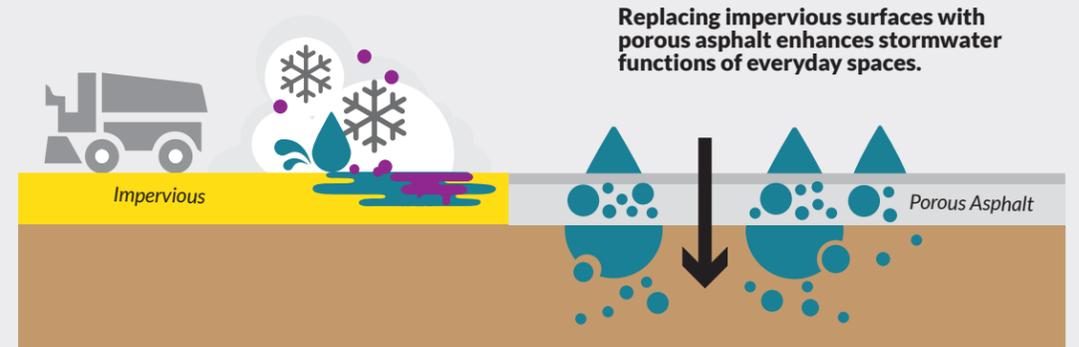


Water puddles on the older asphalt parking lot, shown on the right. The new, expanded parking area on the left uses porous asphalt, enabling it to absorb stormwater beneath the ground.

**Green infrastructure at North Buffalo Ice Rink**

The facility's porous parking area enables rain and snowmelt to seep directly into the ground rather than spreading across the parking lot and draining into the sewer system. With the capacity to absorb over 112,000 gallons of runoff in a typical rainfall event, these improvements ensure that the North Buffalo Ice Rink remains a high-quality facility for active recreation while limiting its environmental impact.

Even on sunny, dry days, the ice rink's Zamboni generates as much as 24,000 lbs of compacted snow which is deposited in the ice rink's parking lot, eventually melting and entering the sewer system.<sup>9</sup>



Replacing impervious surfaces with porous asphalt enhances stormwater functions of everyday spaces.