

## Stormwater Quality Enhancements: Porous Pavement & Biobasin Installation Starting in early September 2014

Dear Residents:

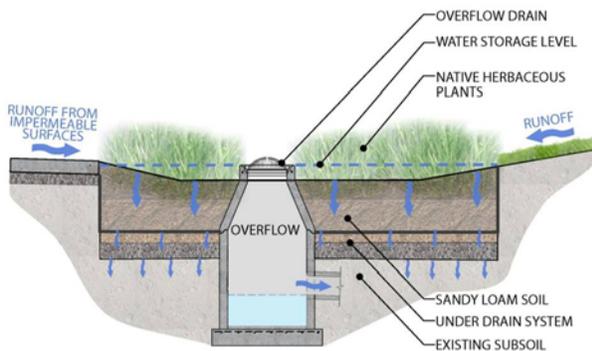
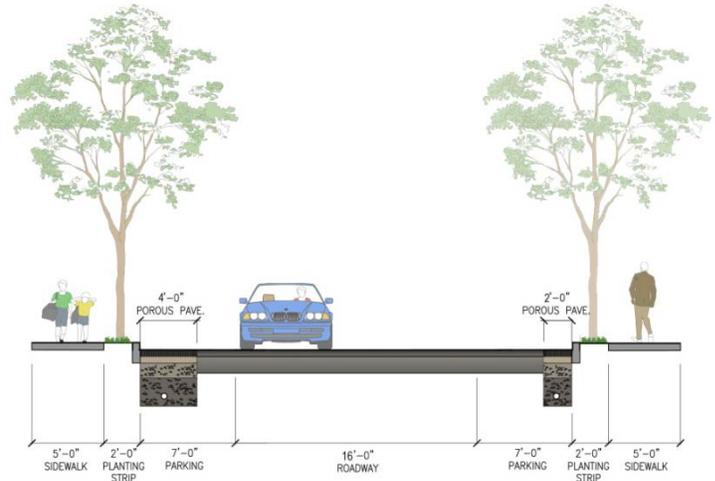
As part of the ongoing construction of the Huron A – Alewife Sewer Separation Project, the City’s contractor P. Gioioso & Sons, Inc., will begin installing Porous Pavement and Biobasins as early as September 8, 2014. This work is scheduled to continue for eight weeks, depending upon the contractor’s schedule and weather conditions, with the final completion in the spring of 2015.

When it rains stormwater washes over the ground and picks up contaminants such as oils, fertilizers and dog waste, washing them into local rivers. The installation of Porous Pavement and Biobasins are important stormwater management strategies that the City has put into place to treat these contaminants before they discharge to the new stormwater wetland in the Alewife Reservation and Little River. These stormwater quality enhancements require permeable soil and at least 4 feet separation from seasonal high groundwater, per EPA. In addition these enhancements require specific locations which minimize conflicts with on-street parking and avoid groundwater and utility conflicts. Based upon these requirements, specific locations were discussed and decided upon throughout the community design process. Please refer to the attached map for the locations where porous pavement and Biobasins will be installed.

For more information on Storm water Management in the City please see:  
[www.cambridgema.gov/theworks/ourservices/stormwatermanagement.aspx](http://www.cambridgema.gov/theworks/ourservices/stormwatermanagement.aspx)

### What is Porous Paving?

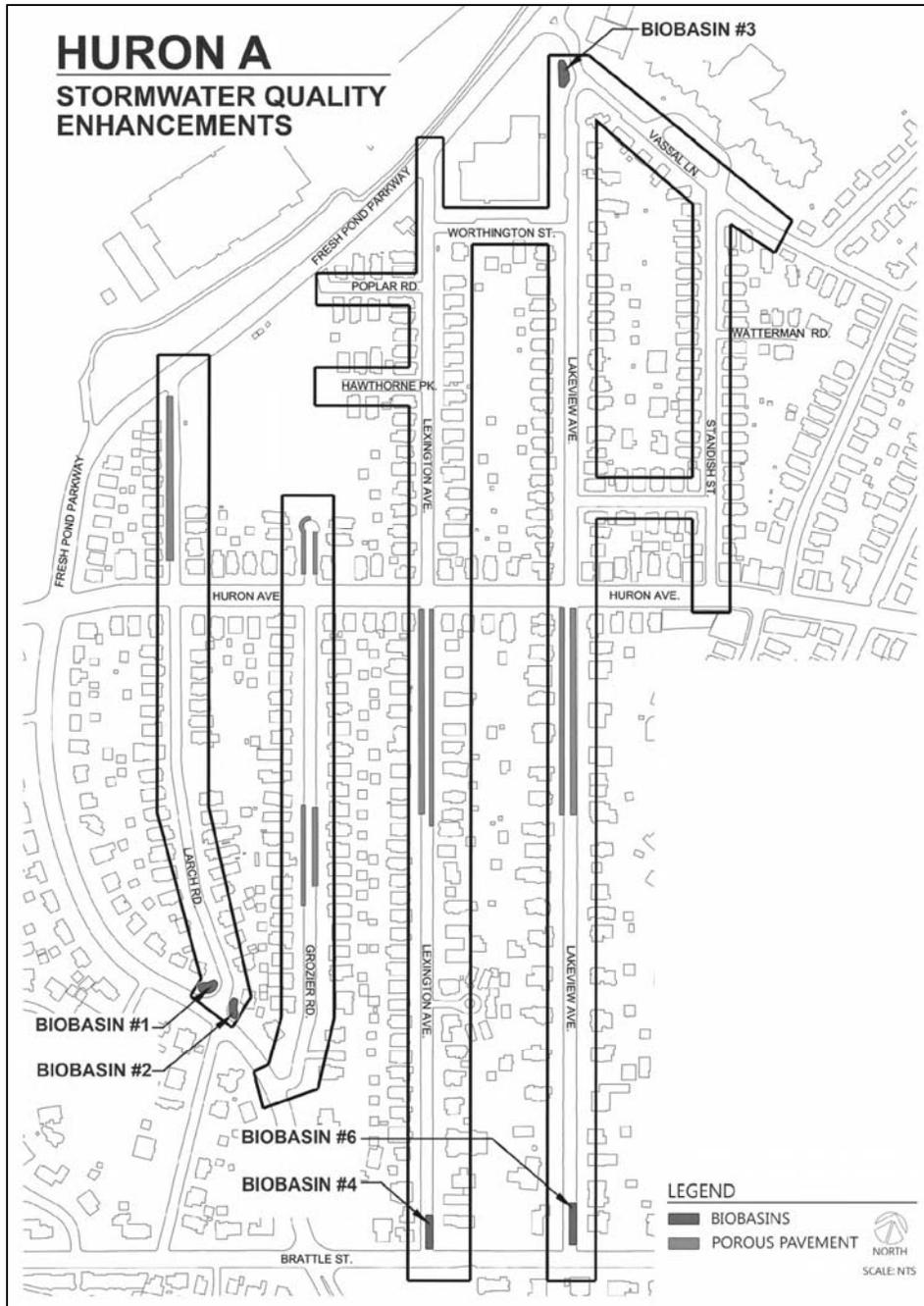
Porous pavement includes a permeable pavement surface with a stone reservoir and filter layer underneath, located in the parking lanes. The purpose of porous pavement is to temporarily store the surface runoff and remove pollutants as runoff passes through the filter layer. Below the filter layer, a small amount of the runoff infiltrates into the underlying soil. The remaining treated water is transported to the City storm drain system through a perforated pipe and catch basin system.



### What are Biobasins?

Biobasins are planted areas with an engineered soil layer underneath that is designed to remove pollutants as stormwater runoff from roadway, driveways and walkways passes through it. A small amount of the runoff percolates into the subsoil. The remaining treated water is transported to the City storm drain system through a perforated pipe and catch basin system.

Porous pavement and Biobasins reduce pollutants in stormwater runoff, and help to alleviate flooding and the discharge of contamination to local waterways. These systems are a unique and effective means to address important environmental issues and support green, sustainable growth. They are included among the Best Management Practices recommended by the U.S. Environmental Protection Agency (EPA).



**What to expect during construction**

General work hours will be 7AM to 4 PM, Monday-Friday. “No Parking” signs will be posted at least 24 hours in advance of construction; please be sure to check posted signs for exact dates and times. When work occurs directly in front of driveways or entryways, the contractor will coordinate access directly with residents.

If you have any questions about this work, contact KyAnn Anderson of Kleinfelder, the City’s Community Relations Manager, via the information below:

**CONTACT:**

|   |   |
|---|---|
| KyAnn Anderson, Community Relations<br>(617)-498-4708 or <a href="mailto:kanderson@kleinfelder.com">kanderson@kleinfelder.com</a> | Project website:<br><a href="http://www.cambridgema.gov/theworks/HuronA">http://www.cambridgema.gov/theworks/HuronA</a> |
|---|---|