



# Parking Lot No. 2 Improvements Fact Sheet

**City of Lima Stormwater Utility**  
50 Town Square Lima, Ohio 45801 419-998-5521

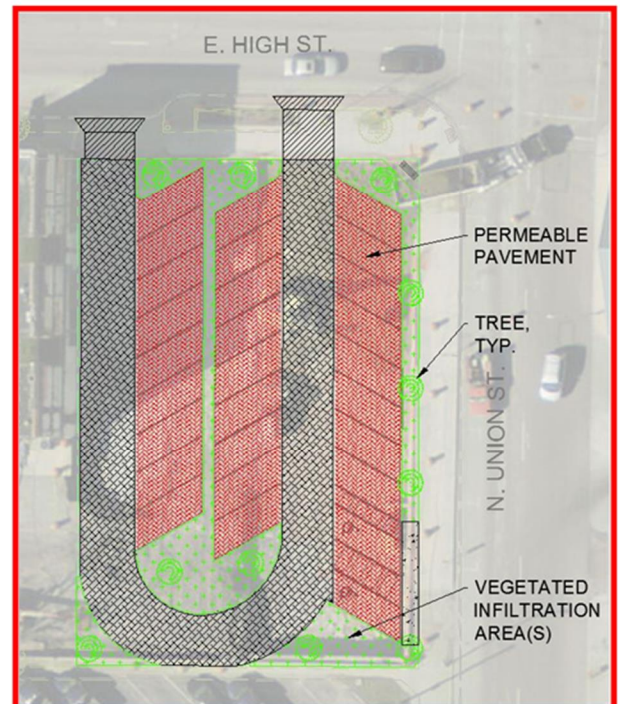
The City of Lima has constructed a new “Green” parking lot at the southeast corner of North Union Street and East High Street. The new parking lot will include the installation of new trees, vegetated filtration areas, and brick permeable pavers. The project is partially funded by Ohio EPA Section 319 funds.

The trees will reduce the amount of rainwater making its way to the ground as well as reduce pavement temperatures. The vegetated filtration areas will allow water to soak through the ground, remove pollutants and slowly drain through a perforated tile. The permeable pavers allow water to drain through it, store excess rainwater in the gravel section, and release the stormwater at a controlled release rate, reducing the amount of stormwater runoff making its way to public infrastructure. The combination of these three Best Management Practices (BMPs) will improve Water Quality (WQ) and reduce the amount of stormwater runoff. WQ will be improved by reducing nitrogen, phosphorus, metals, and sediment making its way to the sewer system. Reducing the stormwater runoff will minimize flows to the public sewer system, minimizing the need to increase pipe sizes as well as minimizing flows treated at the WWTP in the combined sewer areas.

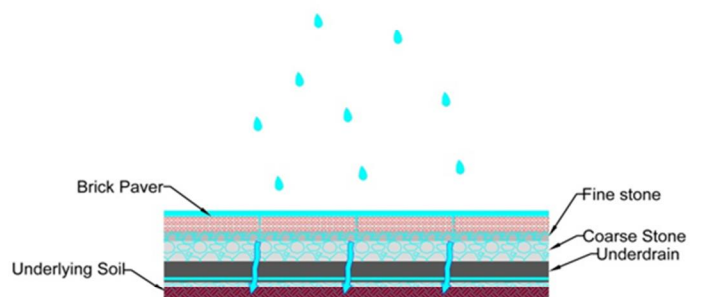
The new parking lot is an example of a Low Impact Development (LID). LID is a development approach which replicates the natural stormwater management of a site prior to its development. Some other examples of these types of developments are sites that incorporate: bioswales, rain gardens, green roofs, stormwater bump outs or other stormwater management practices that encourage the hydrologic processes of evaporation, evapotranspiration, and infiltration.

The figure to the right shows the basic underlying concept behind the permeable pavers. Contaminants from road runoff are filtered as water makes its way down the various layers of the pavement structure.

The goal is to encourage infiltration into the underlying soils, minimizing the amount of water that has to be carried offsite by the combined sewer system. If you have any questions about the project you can contact Stormwater Manager Joe Gearing at 419-998-5521 or by email at [joe.gearing@cityhall.lima.oh.us](mailto:joe.gearing@cityhall.lima.oh.us).



## How It Works



This project was financed in part or totally through a grant from the Ohio Environmental Protection Agency and the United States Environmental Protection Agency, under the provisions of Section 319(h) of the Clean Water Act.

