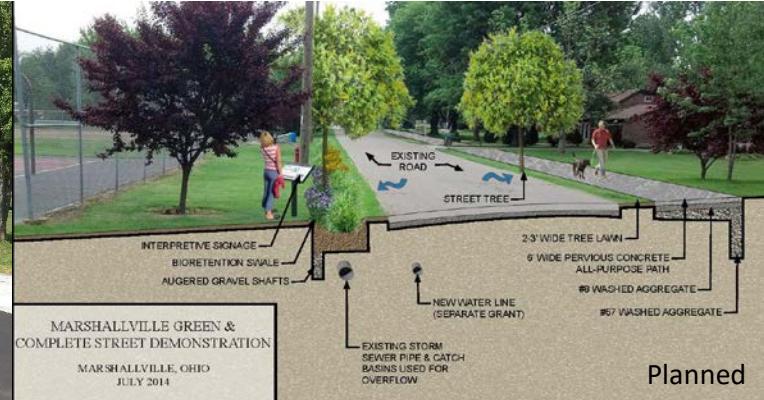


PARK STREET GREEN AND COMPLETE STREET



Constructed



Planned

The Village of Marshallville is continuing its proactive efforts to improve the health, wellbeing and environmental aspects of its citizens and become a regional example of pragmatic sustainability. This project provides a new regional design model for suburban stormwater control through a simplified Green and Complete Street Design.

The design includes a utility friendly pervious pavement All Purpose Path that captures and treats stormwater on one side of the street. The typical rectilinear pervious pavement installation was modified to incorporate an underground infiltration trench, which weaves in and out of underground utilities. A portion of this trench also uses expanded shale technology, which can provide additional water quality benefits cost effectively.

The other side of the street includes four different bioretention technologies. No other application in northeast Ohio includes these four technologies juxtaposed in a way that allows scientific study of the operation and maintenance of these technologies. Two of the four technologies include high flow rate soils, which allow stormwater to flow faster through the media, elongating the stormwater's contact with existing below ground soils, thereby expanding infiltration potential.

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