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## CASE STUDY

### ATLAS AVENUE, GRAND RAPIDS, MI

#### Project Summary

Atlas Avenue in Grand Rapids, MI was at its life expectancy and in need of an upgrade. Frequently, during heavy rainfall, the infrastructure of Atlas would fail and the street would become flooded. The City of Grand Rapids wanted resilient infrastructure in their city. They looked to PaveDrain® as the solution. PaveDrain® is a permeable articulating concrete block that allows for stormwater to fully infiltrate, thus completely mitigating the risks associated with flooding. Carrie Rivette, the Wastewater & Stormwater Maintenance Superintendent at City of Grand Rapids, said about the project, "This is Grand Rapids' first omni-porous street. We've made it something to be proud of. I'm so glad people are talking about how much better it is to infiltrate. We will be infiltrating nearly 220,000 gallons of water per year, simply from this project."



**PROBLEM**

A non-permeable surface on Atlas Ave. was causing significant flooding issues.



**SOLUTION**

PaveDrain® was chosen as a green solution to stormwater management due to its multi-functional design.



**INSTALLATION**

After the old surface was removed, the subgrade was leveled and a multi-filament geotextile was installed. Then an open graded aggregate was installed leveled and compacted. Lastly the PaveDrain® system was installed and ready for rainfall and traffic.



**PERFORMANCE**

PaveDrain® was installed in the Fall of 2018 and provided immediate protection against flooding. The picture above depicts City employees and local residents performing a "bucket pour" on the recently installed surface.



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