

## **NATURE'S AGENT FOR SOIL IMPROVEMENT**



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### **Abstract**

Structural soils are steadily gaining acceptance for use across the region as a method for growing trees in nearly 100 percent impervious surface environments. This presentation will explore the different types of structural soils, along with their “ingredients” and installation. Structural soils were not originally designed as stormwater management facilities. Learn how they can be adapted for this purpose.

### **Biography**

Erin Anderson Wenz has a bachelor’s degree in civil and environmental engineering from the University of Wisconsin-Madison and a master’s degree in environmental engineering and science from the University of Washington. Since joining Barr Engineering Company 15 years ago, she has worked in hydraulics and hydrology, including both stormwater and lake water quality modeling for watershed districts and municipalities. She has managed the creation of watershed and lake management plans as well as total maximum daily load (TMDL) studies for several Minnesota lakes. Her work also includes the design and construction of low-impact development (LID) features such as rain gardens, porous pavement and tree trenches. Her current work involves the implementation of LID features across a 35-acre Mall parking lot at Maplewood Mall in Maplewood, Minnesota.