



Pervious Concrete Demonstration

West Yard Facility Tulsa, Oklahoma

In March of 2012 the City of Tulsa initiated a pervious concrete demonstration located at their West Yard facility. The purpose of the demonstration was to produce a case study of pervious concrete in Oklahoma to address climate-specific performance issues, raise public awareness and develop technical specifications to address impediments to use. Five slabs from five different ready-mix corporations were placed in a total area of 100' x 12'. This area drains an additional 2,000 square feet of parking area. One major impediment to use of pervious concrete is a lack of education and experience by Oklahoma contractors. To address this issue a Permeable Concrete Certification seminar by the National Ready Mixed Concrete Association (NRMCA) was conducted which resulted in 20 people certified as pervious technicians. This was a dramatic increase in the number of pervious technicians in Oklahoma. The demonstration has lasted two years with quarterly infiltration monitoring conducted by graduate students from Oklahoma State University.



◀ Ongoing infiltration testing by OSU graduate students.

▶ Existing site at City of Tulsa West Yard before pervious concrete was poured.

▼ One week after pouring pervious concrete. The hose shows water flow.



Project Point of Contact:

Melissa Gray
Environmental Compliance
Coordinator

City of Tulsa Streets and
Stormwater Department
4502 South Galveston
Tulsa, OK 74107

918-591-4376
mgray@cityoftulsa.org

photos provided courtesy of the City of Tulsa