



Rain Garden

Turkey Mountain Urban Wilderness Area Tulsa, Oklahoma

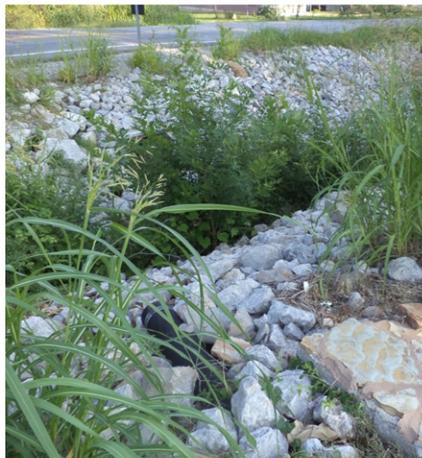
Turkey Mountain, located seven miles from downtown Tulsa, is an urban wilderness area encompassing 300 acres and over 25 miles of trails. In 2009 the restroom area and parking lot were redesigned to include the installation of a rain garden on the north end of the parking lot. Runoff from the 70 space parking lot drains entirely to the rain garden. Water flows first through the rock flume to catch floatable debris, and then into the garden where native plantings slow the flow, catch sediment and filter pollutants. There is an attached detention area to the east which gives the basin the capability of capturing all the runoff from the 70 space parking area. Concerns about standing water and mosquito proliferation were addressed by installing a perforated pipe underneath the drainage area to increase infiltration rates.



A rock flume is used to catch large debris and slow the flow of runoff from the parking lot.



Native plants such as switchgrass, bluestem and dogwoods help filter pollutants.



To address stagnant water concerns, drainage from a perforated pipe flows to a storm drain.

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photos provided courtesy of the City of Tulsa