



# Green Roof

## Hardesty Arts Center Tulsa, Oklahoma



photos provided courtesy of the City of Tulsa

▲ Close-up of sedum.

▲ The sedum turns a beautiful reddish color in the fall/winter.

Located in downtown Tulsa, the Hardesty Arts Center features a vegetated roof that was constructed with the building in December of 2012. The artists' studios at this site offer fantastic views of downtown Tulsa as well as Center's vegetated roof, creating an environment conducive to creativity. The roof is constructed of a composite concrete deck that slopes to internal roof drains. The deck is waterproofed through modified bitumous roofing membrane design. The membrane has a 4" growing medium in which sedum has been successfully growing since the construction. The sedum was chosen for its high heat tolerance so it is able to withstand Oklahoma summers and requires minimal maintenance. An irrigation system was installed with the roof, but is only intended to be used until the sedum is well established or in periods of extreme drought. Minimal weeding takes place twice a month and compost is added once a year. The Hardesty Arts Center has been very pleased with the success of their vegetated roof. It has met the aesthetic goal set for the building while at the same time incorporating sustainability into the design.



▲ Photo taken in July 2014, a year and a half after green roof installation.

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