

Examples of LID Practices

- Rain Garden
- Rain Barrel
- Green Roof
- Pervious Pavement
- Pervious Pavers
- Bioswale



Already have a LID feature?



The City of Tulsa would like to thank and recognize those who implement LID. To find out how to submit an LID feature for recognition or

to view a list of Tulsans who have already adopted LID, please visit: www.cityoftulsa.org/PACE

For more information on LID:

City of Tulsa Stormwater Quality
www.cityoftulsa.org/sos

Oklahoma State University
www.lid.okstate.edu

U.S. Environmental Protection Agency
www.water.epa.gov/polwaste/green

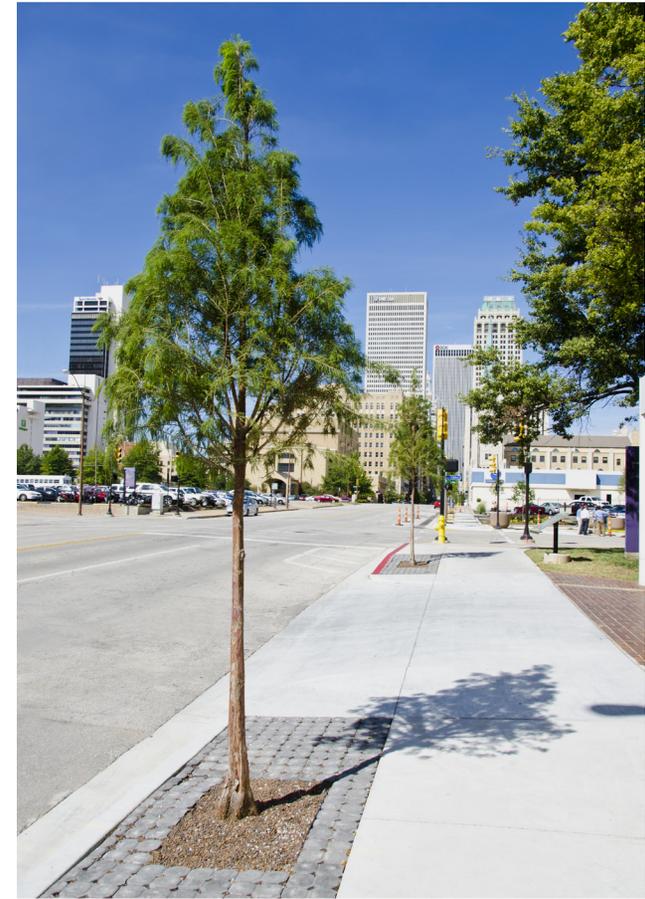
Sgt. Red & Mingo say:



Stormwater Quality

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(918) 591-4325 | www.cityoftulsa.org/sos

A Guide to Low Impact Development



Pervious pavers allow precipitation to infiltrate into the soil and be utilized by tree roots.



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What is Stormwater Runoff and How Does it Affect Me?

Stormwater runoff is rainfall or snowmelt that runs off the land and into rivers and lakes, often through storm drains in the streets. Stormwater runoff can lead to a number of problems:

- Impaired water quality
- Increased flooding
- Decreased recreational opportunities
- Loss of fisheries and natural habitat
- Less groundwater recharge

What is Low Impact Development?

Impervious surfaces such as pavement and roofs cause stormwater to pick up pollutants and flow more quickly to rivers and lakes. Low Impact Development (LID) is a design approach that helps protect water resources by using techniques that absorb and filter stormwater. LID is a means of fostering urban development while at the same time working toward the goal of clean water for everyone.

Stormwater runoff can pick up trash and pollutants as it flows to streams and lakes.



Benefits of LID

- Decreases cost of landscape irrigation
- Less impervious surface is aesthetically pleasing
- Better utilization of lot space (less need for detention and storm sewer infrastructure)
- Decreased heat island effect
- Provides habitat for wildlife

What Can You Do?

- See what others are doing. Since 1980 LID has been incorporated into developments across the country with proven results.
- Communicate with neighbors, community organizations, and local leaders about water quality protection and the benefits of LID.
- Evaluate the potential of implementing a LID technique at your business or home. Some ideas can be found in the “Getting Started” section.

Protecting fisheries is one benefit of implementing LID techniques.



Getting Started

Here are some options to consider implementing at your home or business:

Install a rain garden: Plant native vegetation in an area where it will capture stormwater runoff from rooftops, lawns, and pavement.

Disconnect downspouts: Direct gutter drains into landscaped areas to reduce irrigation needs or connect a rainwater harvesting system, such as a rain barrel, and store the water for future use.

Protect and restore areas around water bodies with native plants: Avoid mowing immediately adjacent to open water such as streams and lakes. Plant native vegetation to prevent stream bank erosion and pollutants from entering the water.

Reduce runoff from driveways: Minimize width and length, use permeable pavers to allow stormwater to soak into the ground rather than runoff your lot, create two tracks separated by a grassy patch.

Rain barrels reduce stormwater runoff and can be used for watering plants.

