

Benefits of LID

- More environmentally sound than traditional BMPs
- Less infrastructure is required for stormwater management which saves the developer money.
- Stormwater is treated on cost effective landscape features instead of costly end of pipe structures.
- LID features are more aesthetically appealing than traditional BMPs.
- LID can be used anywhere making it a very flexible solution when deciding on ways to treat stormwater runoff.



What would you rather see in your backyard?

FOR MORE INFORMATION

Lexington County prefers low impact development as the principle design strategy to achieve water quality requirements.

Possible LID design structures can be discussed during the pre-development meeting with a plan reviewer.

Check out these sources for more information about LID design:

www.lowimpactdevelopment.org

www.lid-stormwater.net

www.epa.gov/nps/lid

The SCDHEC BMP Handbook and Field Manual

The Lexington County Stormwater Management Design Manual

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Low Impact Development (LID)



A Design strategy that reduces and mitigates the impacts of stormwater runoff



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Public Works Department
Stormwater Division

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Examples of LID Practices



Street Side Bio-retention areas treat stormwater runoff from roadways.



Green Roof USC's West Quad



Cluster Development utilizing open space



Constructed Wetland

What is LID?

- Low Impact Development utilizes both structural and non-structural methods to sustain the hydrologic balance at a site.
- LID techniques infiltrate, filter, store, evaporate and detain stormwater runoff close to the source.
- LID techniques are based on the idea that stormwater management doesn't mean stormwater disposal. Instead of conveying stormwater and managing it at the end of the pipe, LID treats stormwater through small, cost-effective landscape features located at the lot level.
- Many landscape features already planned to go into a site can be used for LID. Open space, rooftops, streetscapes, parking lots, sidewalks and medians can all be converted to a LID system.
- LID is a flexible approach that can be applied easily in new developments, urban retrofits, re-developments and revitalization projects.
- Consider LID in your next project as an innovative way to manage stormwater runoff on your site.

Examples of LID Practices



Bio-retention area in a multi-family development.



Rain Barrels can capture and store runoff from the roof to be used later.



Permeable Pavers are an alternative in low use parking lots.



Bio-retention areas in commercial parking lot