

Green Infrastructure: What is it, and how does it reduce impacts from climate change?

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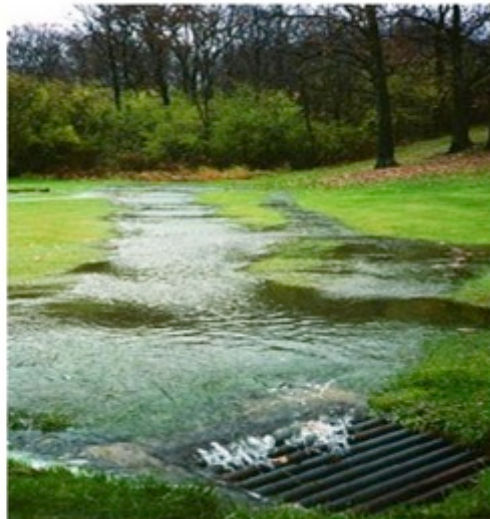


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What is *Stormwater*?

Rainfall that flows across hardened surfaces (e.g., parking lots, roads, rooftops).

It picks up pollutants



It contributes to flooding



What is *Green Infrastructure*?

A cost-effective way to keep water on site, remove pollutants, and reduce flooding.

There are regulatory and non-regulatory approaches to green infrastructure.

What does Green Infrastructure look like?



Rain gardens collecting water diverted from downspouts



What does Green Infrastructure look like?

Street-side bioswale



What does Green Infrastructure look like?

Tree box filters



What does Green Infrastructure look like?



Permeable ground cover



What does Green Infrastructure look like?

Conservation of open space, particularly near water bodies



How does Green Infrastructure reduce impacts from climate change?

- Enhances flood storage to protect public and private property
- Reduces energy expenditures to treat increasing amounts of stormwater
- Increases groundwater recharge
- Cools urban areas by providing shade, lowering heat absorption
- Takes up carbon in vegetation