Building with Nature: An Introduction to Green Infrastructure
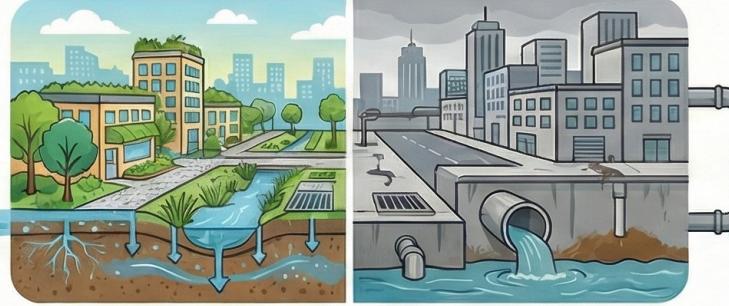
The "What & Why" of Green Infrastructure

A natural approach to water management.

It uses vegetation and soil to manage rainwater right where it falls.

Green vs. Gray Infrastructure

Green infrastructure mimics nature.

Gray infrastructure relies on pipes and drains.

Delivers a wide range of benefits.

Reduces flooding, improves water quality, lowers urban heat, and enhances biodiversity.

## Common Green Infrastructure Solutions in Action
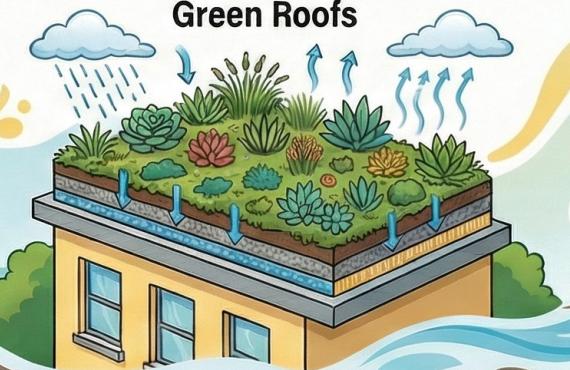
Rain Gardens

Rain Gardens (Bioretention)
Depressed gardens that collect, hold, and filter runoff from roofs and pavement.
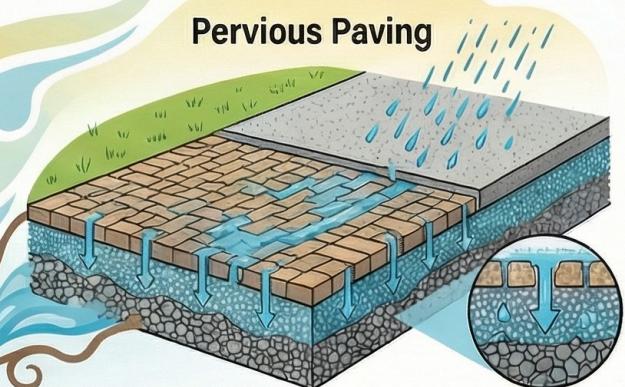
Green Roofs

Green Roofs
Vegetated roof layers that absorb rainfall, reduce runoff, and provide building insulation.

Pervious Paving

Pervious Paving
Porous surfaces for driveways and parking lots that let water soak into the ground.

NotebookLM