

STORMWATER

Tip of the Week

Week 20: May 17, 2021



WHAT IS GREEN INFRASTRUCTURE?

Green infrastructure is a cost-effective, resilient approach to managing wet weather impacts by building with nature. It is a network of stormwater management practices that can capture and infiltrate rain where it falls and reduce stormwater runoff, which will help ease water pollution of surrounding water ways.

GREEN VS. GREY

Essentially, green infrastructure versus grey infrastructure comes down to a simple matter of whether the infrastructure tries to control nature or uses its natural processes to design solutions.

Grey infrastructure tries to control nature and includes the pipes, pumps, ditches, and detention ponds engineered by people to manage stormwater in efforts to pull stormwater away from buildings, into drains, and straight to stream and river outlets.

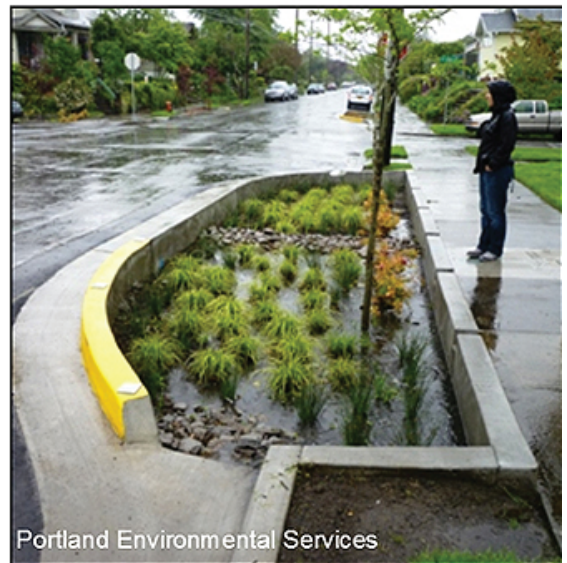
Gray Infrastructure



City of Bel Aire

Green infrastructure uses nature so it refers to projects that draw from nature to achieve desired results, like helping stormwater runoff soak into the ground naturally and ease flooding, such as green roofs, rain gardens, porous/permeable pavers, and planting trees. Green infrastructure has become an increasingly popular way to implement with stormwater management as it also positively impacts air quality, carbon reduction, flooding, and heat stress.

Green Infrastructure



Portland Environmental Services

TYPES OF GREEN INFRASTRUCTURE

- Downspout Disconnection
- Rainwater Harvesting
- Rain Gardens
- Planter Boxes

- Bioswales
- Permeable Pavers
- Green Street/Alleys
- Green Parking

- Green Roofs
- Urban Tree Canopy
- Land Conservation

