

Green Infrastructure on BU's Cummington Mall

Campus Climate Lab

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Bioretention

a type of green infrastructure (GI) system that stores and filters rainwater

Planter Boxes

A container or enclosed structure located either above ground or depressed below street level, planted with vegetation that captures and slowly releases stormwater.

Tree Trenches

In addition provide an increased tree canopy, they typically incorporate stone storage areas in combination with ample planting soils for healthy tree growth.

Site 1; Mechanical Engineering Court

- Permeable Pavement
 - Surfaces that water can infiltrate through
- Gradient change
 - Slope the entire surface towards the center garden



Site 2; South Side of Street

- Identified 9 tree stump areas that could be replaced with:
 - Rain Garden (near drainage basin)
 - Planter Boxes
 - Tree Trenches
- North side of street:
 - Populated with planted trees
 - Seating area
 - Grass area





Native Plant Selection

What to Consider When Choosing Plant Species

- Exposure - How much sun or shade does the plant need?
- Moisture - How much water can the plant help filter?
- Attractiveness - Does the plant blossom? Is there a variety of plant species?
- Maintenance- Does the species require minimal maintenance?