Climate Change Resiliency Plan Across the Charles River Watershed

Watershed-Scale Green Infrastructure Implementation Strategy

Client: Charles River Climate Compact (CRCC)
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Project Goals
Identify and design a watershed-wide approach to protect municipalities within the Upper and Middle Charles River Watershed via green infrastructure implementation.

Benefits of Green Infrastructure:
Water Treatment, Rainwater Dissipation

Policy Recommendations:
Stormwater Fee, Backyard Programs, Green Roof, Impervious Area Reduction

Literature Review of Current Stormwater Management Practice Implementation
Identification of Priority Sites
Evaluation of Green Infrastructure Efficacy
Priority Site Design
Upscale to Watershed Level

Charles River Watershed and CRCC Towns (Blue)

Open Space Site
Goodwill Park
0 Green St, Holliston, MA

Commercial Site
BJ’s Wholesale Club
700 Providence Hwy, Dedham, MA

Residential Site
142 Cottage St, Franklin, MA

Infiltration Trenches

Green Roofs

Bioretention Cells & Rain Gardens

Rain Barrels

Site Designs
Open Space
Commercial
Residential