

GREEN INFRASTRUCTURE (GI) AMBASSADOR PROGRAM

PROGRAM BACKGROUND

- Launched in 2018
- Collaboration with **X-Cel Conservation Corps**, a program focused on preparing underserved Boston youths and young adults for careers in water management and conservation that lead to economic self-sufficiency



2 PARTS

BACKGROUND TRAINING

- Climate change impacts
- Urban water management challenges
- Green stormwater infrastructure basics (design, function, benefits)

ON-SITE GI DEMO

- 5 Boston Public Schools (BPS)
- Coordinate with BPS, Horsley Witten Group, and Offshoots
- X-Cel students receive hands-on experience and exposure



TYPES OF GREEN INFRASTRUCTURE

- Rain gardens
- Bioswales
- Tree pits
- Permeable pavements/surfaces
- Rain barrels/harvesting



Bioretention at BPS

BENEFITS OF GI

- Reduce Urban Heat Impacts (UHI)
- Mitigate small localized floods
- Help filter pollutants e.g., phosphorus
- Educational opportunities
- Provide habitat

- Trained 18 GI Ambassadors in 2021
- 3 trainings set for 2022

Infiltration trench & pervious turf at BPS



Rain garden at BPS