

FY25 Completed Action Grant Summaries



Municipal Vulnerability Preparedness Program
MA Executive Office of Energy and Environmental Affairs

Ashfield Living Culture and Rural Climate Resilience Project



Ashfield FY25



*Ashfield experienced inland flooding in 2023/24, demonstrated financial need, and included a focus on NBS for flood resilience in this project.

Learn more: [Visit the Ashfield project website](#)

AWARD

\$166,000

MATCH \$0*

PROJECT TYPE

Planning, Assessments, **Capacity Building**, and Regulatory Updates

CORE PRINCIPLES
DEMONSTRATED

Building community capacity for climate resilience; Conducting robust community engagement and supporting strong partnerships with EJ; Achieving broad and multiple community benefits.

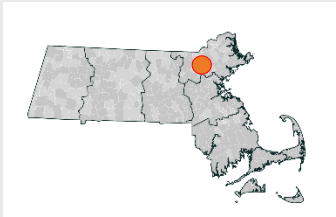
DESCRIPTION

- Town collaboration with local arts and culture organizations Double Edge Theatre and Ohketeau Cultural Center.
- Focus on equitable and inclusive outreach, engagement, and relationship-building.
- Core themes: Clean Energy, Affordable Housing, Nature-based Solutions.
- Three Community Dinners & dialogues, two Site Tours, Community Resilience Day.



Flowing Toward Resilience: Climate Change and Hydraulic Capacity of Culverts

Billerica FY25



Learn more:

[Visit the Billerica project website](#)

AWARD

\$129,500

MATCH N/A

PROJECT TYPE

Type 1 (Planning, Assessments)

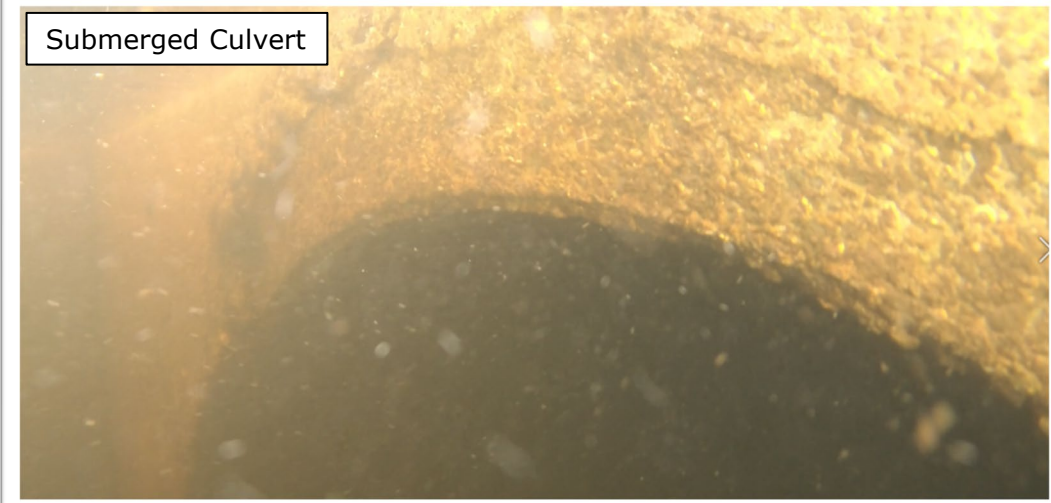
**CORE PRINCIPLES
DEMONSTRATED**

Furthering a community identified priority action to address climate change impacts; Utilizing climate change data for a proactive solution

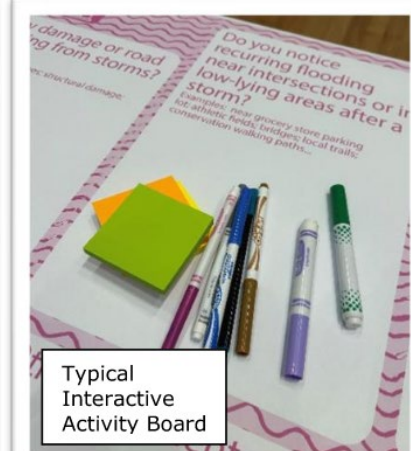
DESCRIPTION

- Improve resiliency by identifying culverts that are underperforming and in need of improvements to accommodate current and future storms without contributing to local inland flooding.
- Prioritize improvements for underperforming culverts systematically.
- Develop a proactive management plan of culverts as a vital drainage system asset to protect public health, safety, and personal property.
- Engage and educate community regarding culverts and flooding.

Submerged Culvert



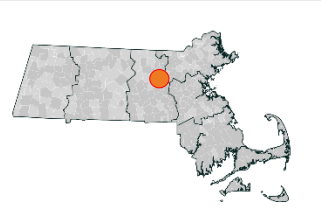
Town Hall Neighborhood Meeting



Typical
Interactive
Activity Board

Future Resilient Field at Derby

Bolton FY25



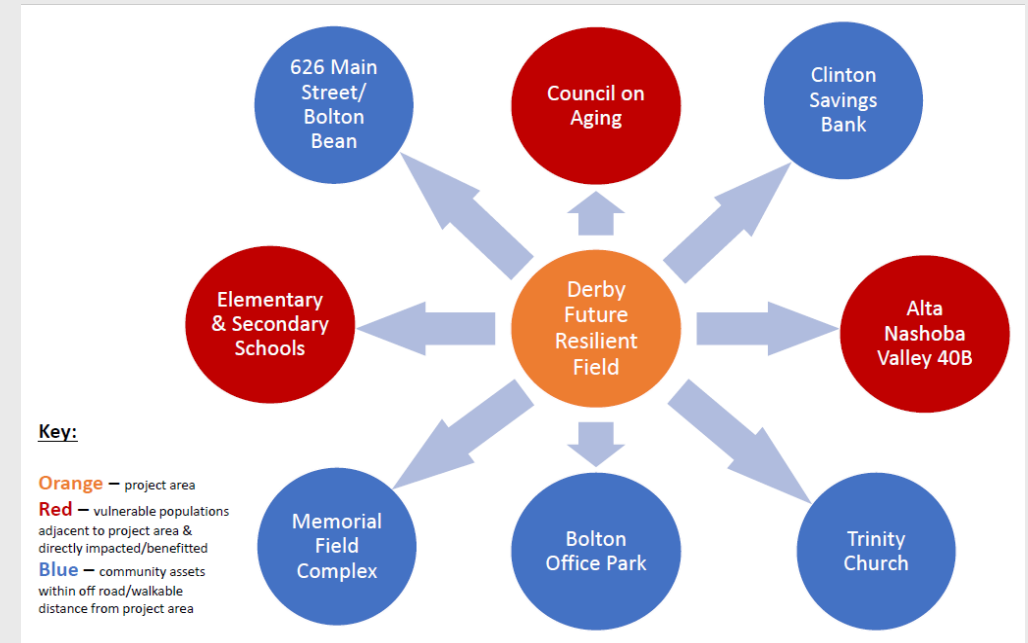
[Visit the Bolton project website](#)

AWARD \$ 488,824 (\$25,254 spent) **MATCH** \$10,916

PROJECT TYPE Construction & On-the-Ground Implementation

**CORE PRINCIPLES
DEMONSTRATED** Employing nature-based solutions
Building community capacity for climate resilience

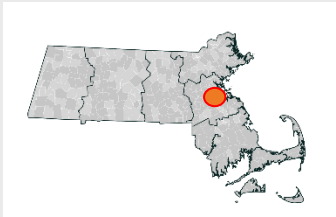
DESCRIPTION This project aimed to address climate change impacts including; reduced food safety and security, and loss of urban tree cover. It was looking to change land management practices for park areas / fields through management strategies that help reduce carbon emissions, increase climate resilience, and strengthen our ecosystems while engaging the whole community in creating climate solutions. The aim was to use workshops, discussions, installations and management plans to serve as models for other communities. Project bids came in significantly over budget and was unable to be constructed with the allocated grant funds.



Resilient Bennington Street and Fredericks Park Project (Phase II)



Boston and Revere FY25



To learn more,
[Visit the Resilient Bennington St website](#)

AWARD \$456,500 MATCH \$51,865

PROJECT TYPE Design and Permitting

CORE PRINCIPLES DEMONSTRATED Employing Nature-Based Solutions; Achieving Broad and Multiple Community Benefits; Utilizing Regional Solutions for Regional Benefit

DESCRIPTION

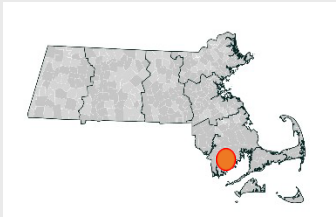
- Reduce coastal flood risk to protect the East Boston and Revere communities and critical infrastructure from the near- and long-term impacts of sea-level rise and coastal storms using a hybrid of green and gray strategies;
- Integrate co-benefits along Bennington Street, including green stormwater infrastructure, tree canopy and multi-modal transportation;
- Enhance Fredericks Park to improve recreation and ecological habitat along the marsh; and
- Improve the public realm by maintaining connectivity to the waterfront, adding native salt-tolerant plantings, and improving pedestrian safety.



Town of Dartmouth/Nature-Based Solutions Retrofit of Critical Infrastructure within Coastal Flood-Prone Areas – Phase 2



Dartmouth FY25



Learn More:

[Dartmouth MVP Project Website](#)

AWARD

\$113,100

MATCH \$12,750

PROJECT TYPE

Design and Permitting

CORE PRINCIPLES
DEMONSTRATED

Employing Nature Based Solutions; Achieving
Broad and Multiple Community Benefits

DESCRIPTION

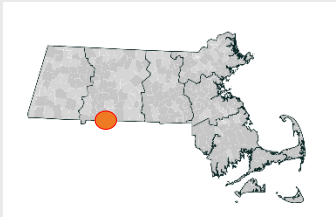
- Completed a municipal infrastructure vulnerability assessment at areas with known flooding that will be negatively impacted by climate change; and completed final design plans for two high priority sites.
- Conducted a comprehensive public education program with local partners to educate the Dartmouth community and visitors about the MVP program and its core principals.



Hampden Main Street Bridge Replacement and Green Solutions MVP Action Grant Project



Hampden FY25



[Hampden Main Street Bridge Story Map](#)

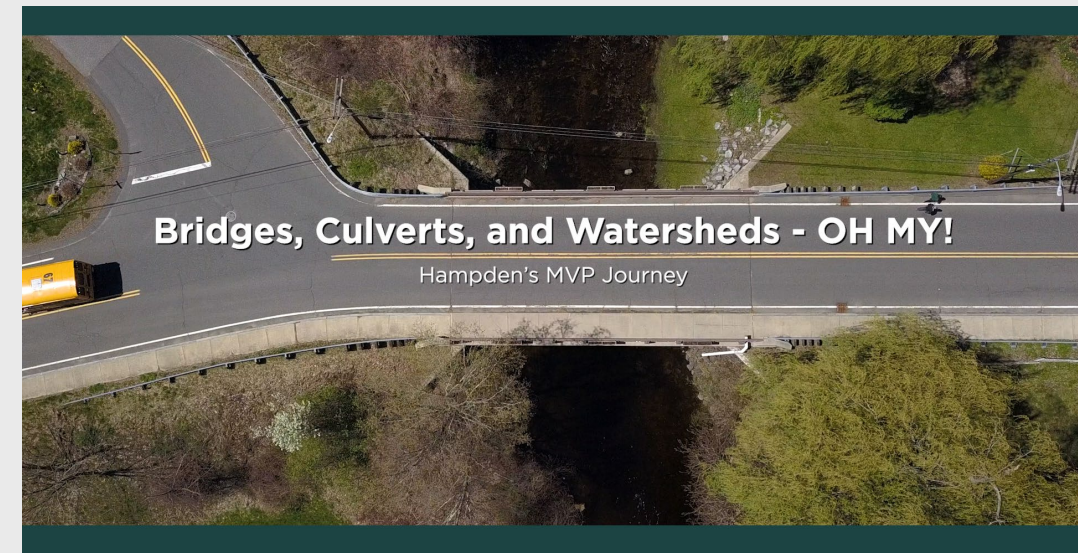
AWARD \$275,450.00 **MATCH** \$31,272.00

PROJECT TYPE Design and Permitting

CORE PRINCIPLES DEMONSTRATED Improvements of Town Stormwater Infrastructure and Identification of Nature Based Solutions

DESCRIPTION Final design for the Replacement of Main Street Bridge over East Brook in conformance with the Massachusetts Stream Crossing Standards.

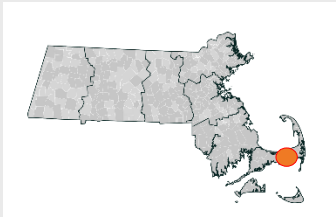
Advancement of GI-LID solutions within the watershed and the production of videos showcasing GI-LID opportunities in the watershed and memorializing Hampden's multi-year MVP efforts for reference to other rural communities.



Red River Valley Preserve Watershed Resiliency Project



Harwich FY25



Town of Barnstable
Harwich Conservation Trust

AWARD

\$1,800,000

MATCH

\$215,140

PROJECT TYPE

Construction and On-the-Ground Implementation

CORE PRINCIPLES DEMONSTRATED

Employing Nature-Based Solutions; Achieving
Broad and Multiple Community Benefits

DESCRIPTION

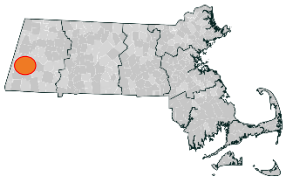
This project included the protection of 8.1 acres of ecologically important land at the headwaters of Red River in Harwich, MA. The conservation restriction purchased by the Town will build climate and community resilience and complement a new environmental learning center being opened by Harwich Conservation Trust on the property.



Western Massachusetts Unpaved Roads Project



Lanesborough FY25



[Unpaved Roads Stormwater Toolkit \(2025\)](#)

[Western Massachusetts Unpaved Roads Project Website](#)

[Unpaved Road Resource Database](#)

AWARD

\$432,096

MATCH \$0

PROJECT TYPE

Planning, Assessments, Capacity Building, and Regulatory Updates

**CORE PRINCIPLES
DEMONSTRATED**

Pursuing innovative, transferable approaches;
Utilizing regional solutions for regional benefits

DESCRIPTION

Further develop an Unpaved Roads Stormwater Toolkit to support DPWs understand, assess and install best management practices to support climate resilience on their unpaved roads.

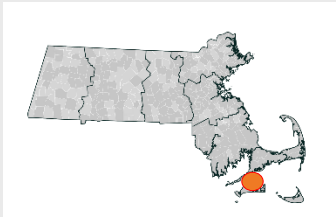
Complete BMP recommendations for top priority road segments(Blandford, Goshen, Shutesbury and Lanesborough) and provide Bundled Notices of Intent to support improvements.



Martha's Vineyard Public Food Forest Plan



Martha's Vineyard Commission FY25



AWARD

\$96,764

MATCH

\$12,906

PROJECT TYPE

Planning, Assessments, Capacity Building & Regulatory Updates

**CORE PRINCIPLES
DEMONSTRATED**

Furthering a community identified priority action to address climate change impacts; Employing Nature-Based Solutions (NBS)

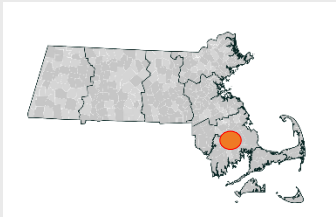
DESCRIPTION

- Detailed site design for Aquinnah community food forest
- Island-wide assessment and recommendations for public food forests in all Island towns
- Public food forest implementation guide and toolkit



School Street Parking Lot

Middleborough FY25



[Visit Middleborough project website](#)

AWARD

\$171,230

MATCH waived

PROJECT TYPE

Type 2: Design & Permitting

**CORE PRINCIPLES
DEMONSTRATED**

1. Furthering a community identified priority action to address climate change impacts
2. Utilizing climate change data for a proactive solution
3. Employing Nature-Based Solutions (NBS)

DESCRIPTION

The project involved the design of a municipal parking lot that will provide remediation of inland flooding and stormwater run-off to the Nemasket River. Once constructed the substandard pavement will be upgraded, and the roadway and roof run-off from the adjacent buildings will receive proper pre-treatment prior to discharging into the river. The -proposed renovations will include repaving with new asphalt, new striping for 100 parking spaces, and circulation Improvements. The majority of the site, including roof areas, are treated through a combination of deep sump catch basins and an underground infiltration chamber system. The reduced impervious area as well as the proposed tree plantings will also help address higher temperatures experienced in this identified heat island.



Natick High School Constructed Wetland and Subwatershed Evaluation

Natick FY25

[Visit Natick project website](#)

\$266,400

\$37,300

AWARD

MATCH

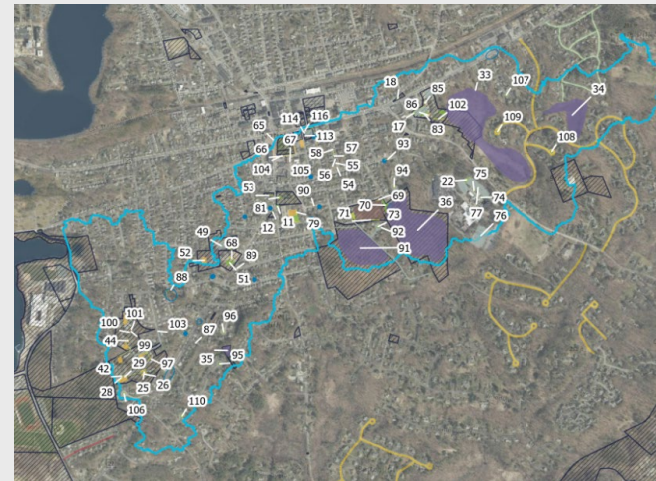
PROJECT TYPE

Type 2: Design and Permitting

CORE PRINCIPLES
DEMONSTRATED

1. Employing Nature-Based Solutions (NBS)
2. Building community capacity for climate resilience
3. Achieving broad and multiple community benefits
 - Community engagement for involvement and education of residents and students on flood reduction projects.
 - 75% design of a NBS project utilizing stormwater best management practices at the Natick High School Utility Yard that addresses flood reduction and community wellbeing.
 - Identified NBS throughout the watershed and developed concept level projects for future implementation.
 - Internal town education on green infrastructure management for prolonged benefits from the projects after construction.

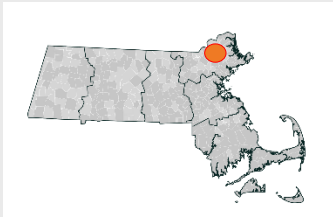
DESCRIPTION



Cochichewick Brook Floodplain Management Study and Plan



North Andover FY25



Learn More:

[Visit Cochichewick Brook project Website](#)

AWARD

\$133,150

MATCH \$18,530

PROJECT TYPE

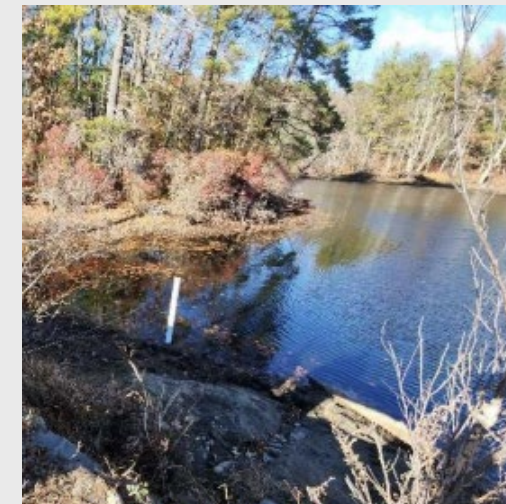
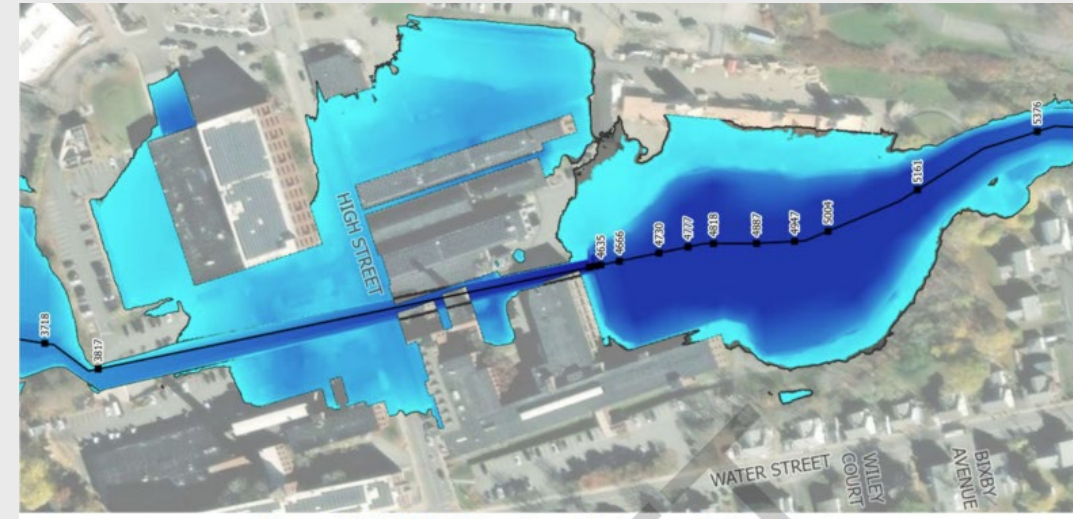
Planning, Assessments, Capacity Building, and Regulatory Updates

**CORE PRINCIPLES
DEMONSTRATED**

Building community capacity for climate resilience;
Utilizing climate change data for a proactive solution

DESCRIPTION

- Brought together public (Town) and private owners of dams along brook to solicit input and develop plans for future operation of dams;
- The Study produced models for 2 year; 10 year; 50 year; and 100 year storm events to understand their potential effects on the Brook and its surround areas;
- Through a combination of modeling, public input, and field observations, this Study lays the foundation for a plan for implementation of resilience efforts.



Rea's Pond Data Logger

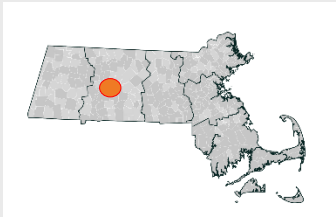


Lake Cochichewick & Ambient Data Log

Critical Infrastructure Flood Resiliency Project



Northampton FY25



- [Hockanum Improvements](#)
- [Mill River Dredging](#)
- [Informational Flyer](#)

AWARD \$337,615.00 **MATCH** \$37,510.00

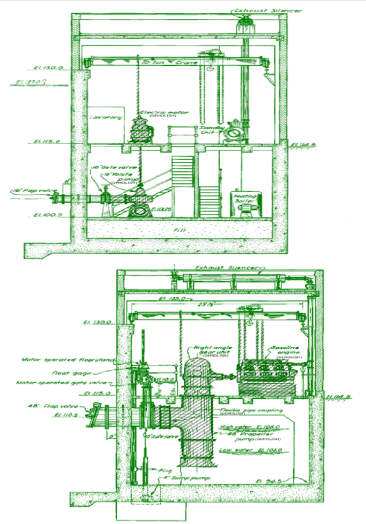
PROJECT TYPE Type 2: Design and Permitting

**CORE PRINCIPLES
DEMONSTRATED**

- Increasing equitable outcomes for Environmental Justice and other priority populations
- Building community capacity for climate resilience
- Pursuing innovative, transferable approaches

DESCRIPTION

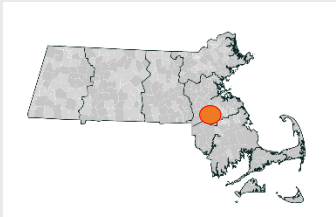
The Northampton Critical Infrastructure Flood Resiliency Project aims to upgrade the Hockanum Pumping Station in accordance with up-to-date climate change data and dredge the Historic Mill River to bolster critical infrastructure resilience and safeguard low-lying EJ communities. The pump station is still utilizing original equipment that has surpassed its reliable service life. The upgrades will ensure reliability and enhance overall resiliency. The Historic Mill River provides stormwater storage upstream, and the dredging work will restore the maximum capacity that previously existed.



Norwood Nature Based Solutions for Flooding and Heat



Norwood FY25



Learn More

[Visit the Norwood project website](#)

AWARD

\$144,300

MATCH 0

PROJECT TYPE

Planning, Assessments, Capacity-Building, and Regulatory Updates

**CORE PRINCIPLES
DEMONSTRATED**

Employing Nature Based Solutions

Conducting robust community engagement and supporting strong partnerships with EJ populations and other priority populations

DESCRIPTION

Updated regulations:

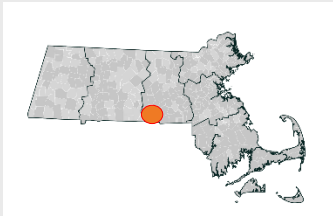
Revised stormwater regulations and implement permitting system, update wetlands and zoning regs.

Community outreach utilizing a community liason approach and a tree give-away program



Petroleum to Pollinators

Oxford FY25



Project Website:

[Visit Petroleum to Pollinator project website](#)

AWARD

\$206,100

MATCH n/a

PROJECT TYPE

Planning, Assessments, Capacity Building, and Regulatory Updates

CORE PRINCIPLES
DEMONSTRATED

Employing Nature-Based Solutions; Achieving Broad and Multiple Community Benefits

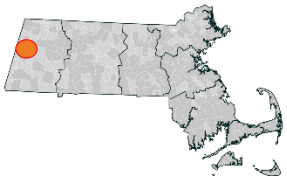
DESCRIPTION

Transformed a former fueling station and Department of Public Works site into two conceptual designs for a climate-resilient, pollinator-focused community pocket park. The design process was grounded in nature-based solutions and informed by comprehensive stormwater and heat vulnerability assessments, demographic analysis, and robust community engagement. To extend impact beyond the site, the team distributed over 200 pollinator-friendly seed packets, along with bilingual best-practice guides and youth activity materials, promoting habitat expansion and environmental awareness throughout the community.



Unkamet Brook Restoration

Pittsfield FY25



AWARD

\$275,000

MATCH \$0

PROJECT TYPE

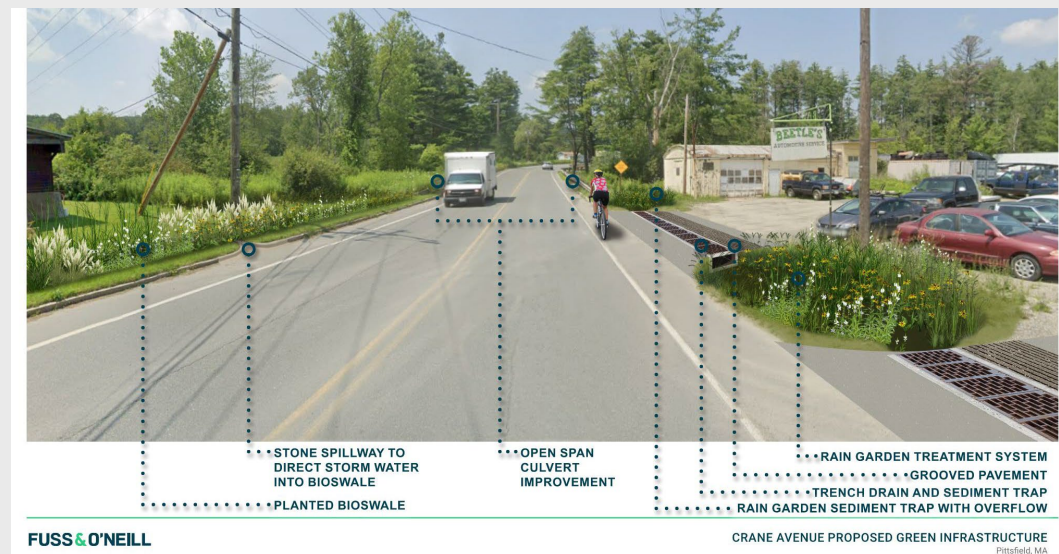
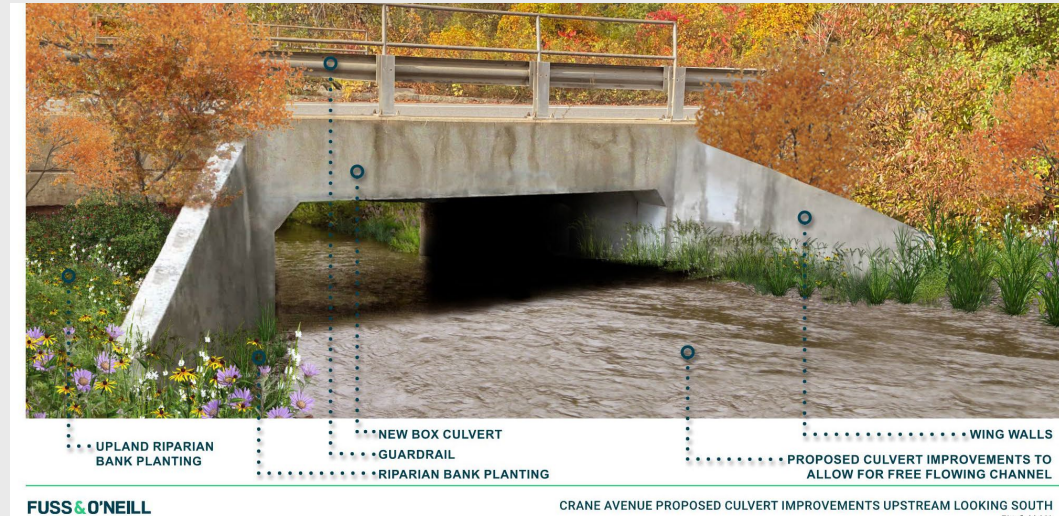
Planning, Assessments, Capacity Building, and Regulatory Updates

**CORE PRINCIPLES
DEMONSTRATED**

Employing Nature-Based Solutions; Furthering a community-identified priority action to address climate change impacts

DESCRIPTION

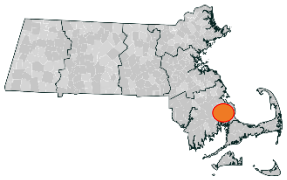
- Developed 30% designs for a replacement culvert and green infrastructure at Crane Ave over Unkamet Brook to alleviate ongoing flooding and sedimentation of the brook
- Evaluated alternatives for daylighting or other restoration improvements along Unkamet Brook near Dalton Avenue



Plymouth's Downtown Resiliency Project: Green and Heat Island Reduction Infrastructure



Plymouth FY25



[Town of Plymouth's Department of Energy and Environment](#)

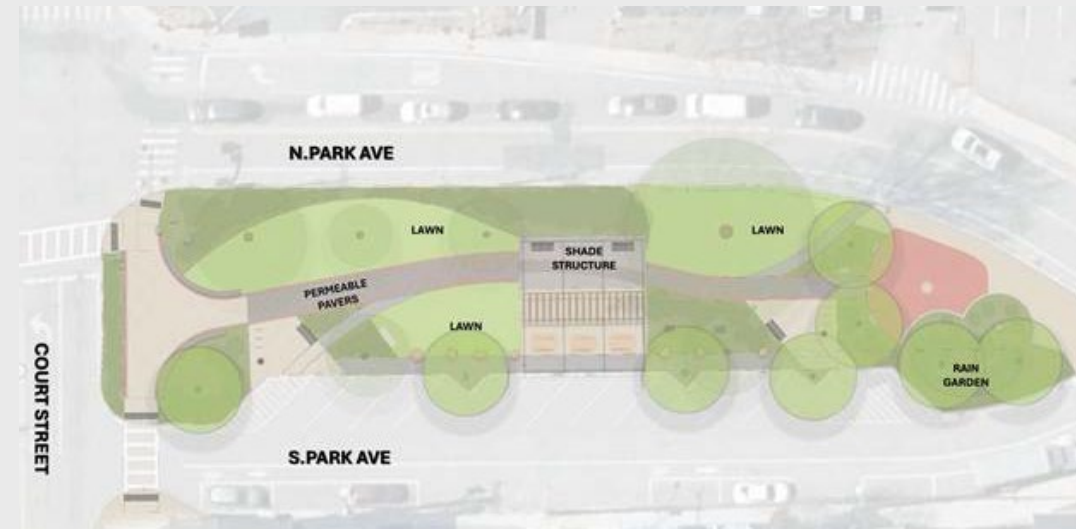
[Plymouth's Climate Action and Adaptation Plan](#)

AWARD \$360,265.00 **MATCH** \$56,670.50

PROJECT TYPE Design and Permitting

CORE PRINCIPLES DEMONSTRATED Further a community-identified priority action to address climate change; Achieve broad and multiple community benefits

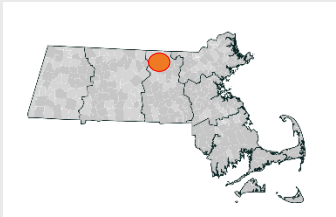
- DESCRIPTION**
- Final design for a project that will incorporate climate adaptation solutions into the redesign of historic downtown Plymouth.
 - Employed a robust community engagement program which integrated stakeholder feedback into the design and engaged 1,300 Plymouth students on the importance of proactive climate adaptation planning.



Climate Resilient Drainage Master Plan



Townsend FY25



[Climate Resilient Drainage Master Plan](#)

[StoryMap - Climate Resilience Drainage Master Plan](#)

AWARD

\$154,500

MATCH N/A

PROJECT TYPE

Planning, Assessments, Capacity Building, and Regulatory Updates

CORE PRINCIPLES
DEMONSTRATED

Employing Nature-Based Solutions (NBS); Conducting robust community engagement; and Furthering a community identified priority action to address climate change impacts

DESCRIPTION

- Engaged residents and regional partners through surveys, workshops, a regional webinar, and public events to develop community-informed and equitable climate resilience planning
- Performed field investigations, including 59 culvert assessments, stream segment assessments, and structural assessments for prioritized culverts
- Identified and prioritized opportunities for 20 NBS and 11 culverts and developed concept designs for 3 top priority projects

