BSC GROUP

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Nature-Based Solutions Implementation Resource Guide

Nature-based Solution (NbS): Paved Pervious Trails

Project Number per matrix: **28**

PREREQUISITES

- Coordinate restoration with MVP and the Town/City Master Plan.
- Approval of Conservation Commission and/or landowner.
- Obtain appropriate permits*
  - *Pending regulations may require drainage control comparable to impervious materials.
- Accessible routes to meet MAAB requirements.
- Connection to drainage systems structures-passive drainage where necessary.

RECOMMENDED IMPLEMENTATION STEPS

- **Project Planning and Administration**
  - Coordinate this element as part of a larger system to maximize value.
  - Assess opportunities for coordinated habitat enhancement flood storage.
  - Evaluate cost to value and project life cycle.
  - Assess visibility and safety concerns.
  - Consider the volume of regular visitors and event visitors.
  - Consider pervious surface alternatives and benefits.
  - Assess potential risks to water quality and contingency for controls.

- **NbS Installation**
  - Installation of access control measures where required.
  - Moderate soil disruption.
  - Site preparation to include erosion control and stockpile/mobilization staging area.
  - Installation of pavement and related improvements.

- **Maintenance**
  - Routine annual maintenance may be required.

NATURE-BASED SOLUTION SPECS

- Typical project size: 8’ x 100’ no minimum.

BUDGET ESTIMATE

- Typical project budget (order of magnitude): N/A
- Use the BSC Group Nature-based Solutions budget tool to develop more detailed concept budgets

SCHEDULE ESTIMATE

- 5-day construction per unit.