BSC GROUP

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Nature-Based Solutions Implementation Resource Guide

Nature-based Solution (NbS): Pervious Parking/Walking Areas

Project Number per matrix: **17**

PREREQUISITES

- Obtain approval from Town or City Conservation Commission and/or landowners.
- Obtain appropriate permits.
- Ensure accessible surface to meet ADA or AAB trail requirements.
- Assess MAAB lighting requirements at certain facilities.
- Connection to drainage systems structures where necessary.

RECOMMENDED IMPLEMENTATION STEPS

- **Project Planning and Administration**
  - 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 previous surface alternatives and benefits.
  - Assess potential risks to water quality and contingency for controls.
- **NbS Installation**
  - Install access control measures where required.
  - Anticipate moderate soil disruption.
  - Conduct site preparation to include erosion control and stockpile/mobilize staging area.
  - Install pavement and related improvements.
- **Maintenance**
  - Annual or “as needed” maintenance or monitoring 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

- 4 days of construction per 50 yd. unit.