# **Coastal Stormwater Management**

### The Place: Marine Avenue, Newport RI

This area off of Marine Avenue in Newport is a popular public access route to the historical Cliff Walk and Belmont Beach, which offers an important link between public and private properties.



### The Problem: Water Quality and Erosion

During rain storms, runoff from the land and impervious surfaces carries nutrients, bacteria, and sediment down Wetmore and Marine Avenue, causing erosion of the path to the Cliff Walk and sending harmful pollutants into the cove. The untreated stormwater impacts safe public access to the Cliff Walk, and the area's many recreational uses including walking, swimming, surfing, and fishing.





Looking east toward the Cliff Walk, Belmont Beach and the Atlantic Ocean

## The Solution: Green Infrastructure/Multi-functional

- solutions
- Is applied and adaptable at different scales

### **Opportunities and Benefits: Community**

Implementing green infrastructure on Marine Avenue will:

- Slow and treat storm water to reduce erosion along the Cliff Walk
- Reduce polluted runoff flowing to Belmont Beach
- Improve public access
- Increase public health and safety
- Create opportunities for public education and awareness
- Enhance aesthetics of the area
- Recognize, support, and enhance historic uses
- Provide habitat for native plants and pollinators

### **Opportunities and Benefits: Municipal**

- Cost effective and practical solutions to stormwater problems
- Reduce pressure on existing infrastructure
- Create health and social benefits
- Support for jobs, local business hubs, and economic vitality
- Easy and inexpensive to maintain with routine mowing















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