

**PROJECT APPLICANT:** Peconic Land Trust

**PROJECT TITLE:** Vegetated Wetlands Treatment System - Bridge Gardens

**PROJECT TYPE:** Wastewater Treatment Project

**SCALE:** Neighborhood/Watershed

**APPROACH:** Reduction

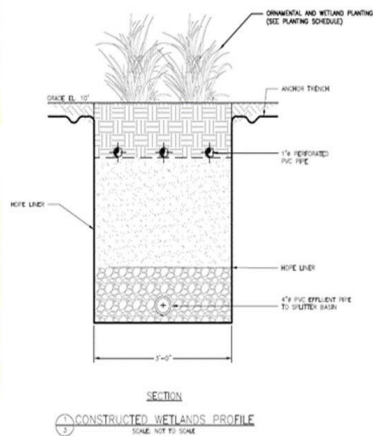
**DESCRIPTION:**

The project proposes to replace the existing septic system with a vegetated wetlands treatment system. The property is utilized as a 5-acre demonstration garden where the public can enjoy and be educated about native plants as well as a variety of perennials and annual flower and vegetable garden on the premises. The property is located within the watershed of Kellis Pond, and is approximately 2,000 feet north of Kellis Pond which discharges into Mecox Bay. Kellis Pond is an impaired water body that currently experiences annual toxic blue-green algae which exceeds US EPA drinking and recreational standards, as well as hypoxia and anoxia. Similar constructed vegetated wetland treatment systems approved by the SCDHS have achieved final effluent analysis of less than 10 mg N per liter. Bridge Gardens will have educational materials explaining how the constructed wetland will remove nitrogen from the wastewater, in agreement with the goals and objectives of the Peconic Land Trust, and will help introduce this new type of system to members of the public visiting the public gardens.

**PROPOSED PROJECT**



Photo 1 - Post Construction



**MAP OF PROJECT LOCATION**

