

**PROJECT APPLICANT:** Westhampton Presbyterian Church

**PROJECT TITLE:** Nitrogen Reducing Biofilter for Parsonage at Westhampton Presbyterian Church

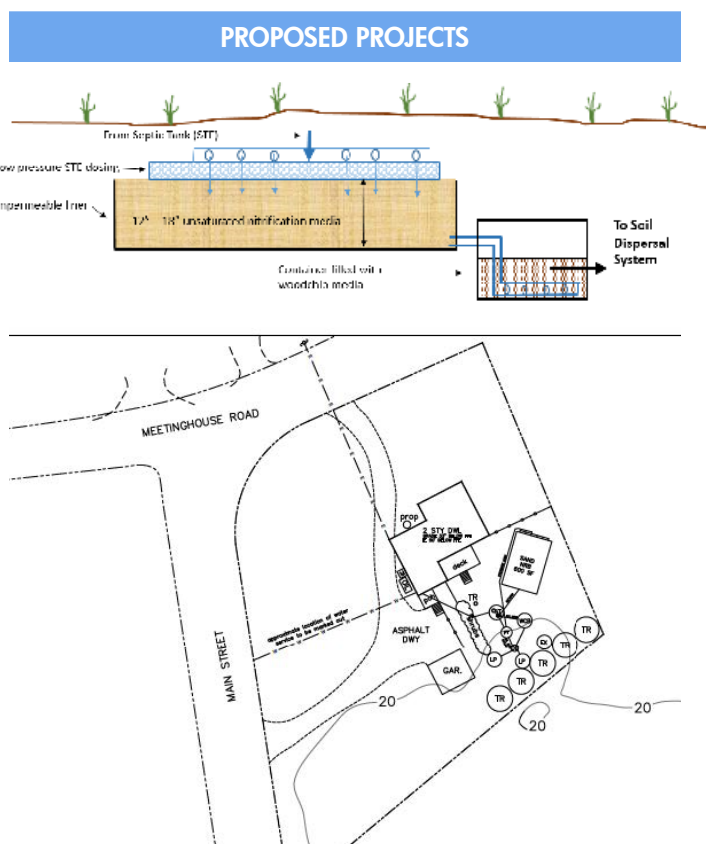
**PROJECT TYPE:** Wastewater Treatment Improvement/Pollution prevention

**SCALE:** Neighborhood/Watershed

**APPROACH:** Reduction

**DESCRIPTION:**

The proposed project seeks to replace the existing conventional cesspool system at Westhampton Presbyterian Church’s parsonage with an NRB system. The parsonage is located in a High Priority area approximately 300 yards from Quantuck Bay, one of the most impaired water bodies in Eastern Long Island. For more than 30 years Quantuck Bay has experienced recurrent and frequent brown tides that are negatively affecting shellfish and eelgrass in the area. High nitrogen levels have been found to be the primary cause of algae growth in these areas. Nitrogen loading analysis found that existing sanitary and cesspool systems contribute approximately 70-90% of the total load. NRBs, which are undergoing evaluation as an enhancement to I/A OWTs, have the capacity to remove 80% of nitrogen from most residential wastewater effluent, which in this case is estimated to decrease annual nitrogen leaching into groundwater by 36 lbs. annually.



**REQUESTED AMOUNT:** \$34,850