

PROJECT APPLICANT: Incarnation Lutheran Church

PROJECT TITLE: Nitrogen Reducing Biofilter for Parsonage at Incarnation Lutheran Church

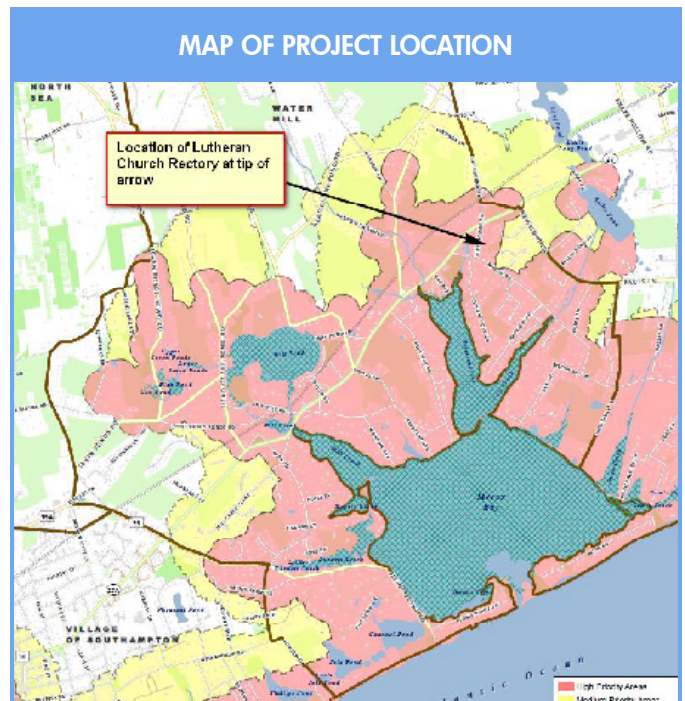
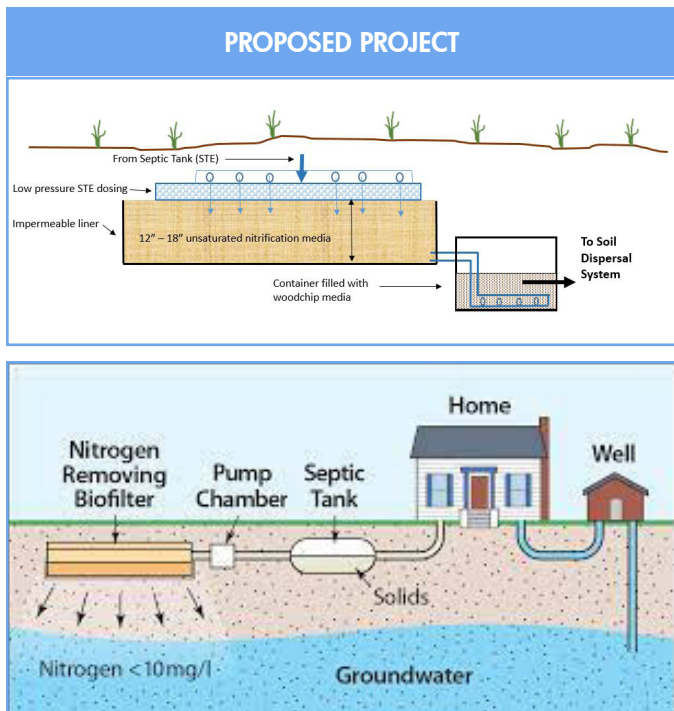
PROJECT TYPE: Wastewater Treatment/Control Aquatic Habitat

SCALE: Neighborhood/Watershed

APPROACH: Reduction

DESCRIPTION:

The proposed project seeks to replace the existing conventional cesspool system at Incarnation Lutheran Church’s parsonage with an NRB system. The parsonage is located in a High Priority area approximately 1,000 yards from Mecox Bay, in the watersheds of Hayground Cove and Mecox Bay, both of which have been declared an impaired water body by the NYSDEC (303d listed). In addition, Mecox Bay has had a series of water quality impairments, mainly due high nitrogen levels that are the cause of algae growth and harmful algal blooms 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 influent, which in this case can decrease annual nitrogen leaching into groundwater by 36 lbs. annually.



REQUESTED AMOUNT: \$ 34,850