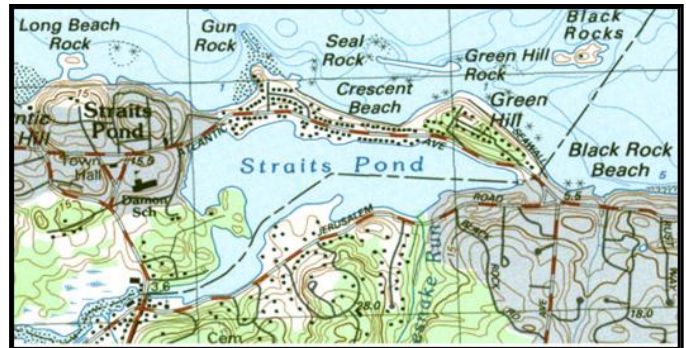


NORTH COHASSET LOW PRESSURE SEWER SYSTEM, COHASSET, MA

Client: Board of Sewer Commissioners
Cohasset, MA

Project Manager:
Daniel J. Coughlin, P.E.



Mr. Coughlin was Project Manager for the evaluation, planning, design, permitting, bidding and construction of a low pressure sewer system in a ledge prone area, for over 300 residential dwellings abutting Straits Pond, a state designated Area of Critical Environmental Concern (ACEC). The collection system, later known as the North Cohasset Sewer District, involved the construction of over 30,000 linear feet of low pressure collector sewers and laterals and almost 300 grinder pump stations in easements over private property. The system collected raw wastewater from individual dwellings and conveyed the flow under pressure to the adjoining Town of Hingham's wastewater pump station and which then conveyed it to the Town of Hull's WWTP. Management tasks also included the coordination and preparation of an Intermunicipal Agreements with the towns of Hingham and Hull and obtaining and coordinating SRF funding for the project.

Additional components of work conducted as part of this project to facilitate the preparation of plans and specifications included: individual site surveys; aerial survey, triangulation and mapping with GPS control; route borings and utility surveys; ENF preparation, Historical Commission coordination; Conservation Commission, CZM, U.S. Army Corps and DEP permitting; and support to the Board of Sewer Commissioners during public and town meetings. Due to State funding restrictions, the entire design effort was initiated and completed within three months time to secure maximum funding. Once complete, the North Cohasset Sewer District was the largest single low pressure sewer system in New England at that time.



The total value of proposed facilities was over \$9,000,000.

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