

**LITTLE HARBOR LOW PRESSURE SEWER
ATLANTIC AVENUE LOW PRESSURE SEWER and
JERUSALEM ROAD/RUST WAY NORTH COHASSET LOW PRESSURE SEWER**

Client: Board of Sewer Commissioners
Cohasset, MA

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

Mr. Coughlin was Project Principal for the evaluation, planning, design, permitting and construction of three low pressure sewer systems within an area of the Town of Cohasset characterized by significant ledge outcrops, poor and shallow soils and high groundwaters. Over 450 residential dwellings abutting the town's coastal areas including Little Harbor, several beaches, barrier beaches and shellfishing areas were targeted to be served by the low pressure sewer system. The collection system involved the construction of over 10 miles of low pressure collector sewers, 2000 linear feet of gravity sewer and laterals and over 450 services for grinder pump stations. A portion of the system involved an expansion of the existing 275 grinder pump system in North Cohasset which conveys raw wastewater flow under pressure to the adjoining Town of Hingham's wastewater pump station and which then conveys it to the Town of Hull's WWTP. In addition, \$8M of water and drainage improvements were also included in the sewer project. The majority of the system involved two new low pressure systems which would convey flow to the Cohasset membrane filtration treatment plant in the Town Center. Management tasks also included the coordination and preparation of an Amended Judgment with the State and the obtaining of SRF funding for the project. In total, the Town of Cohasset have close to 750 low pressure grinder pumps in operation within the town making it a of the largest low pressure sewer systems in New England.

The value of sewer facilities was over \$16,000,000.



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