

COMPREHENSIVE WW MANAGEMENT PLAN AND EIR, COHASSET, MA

Client: Board of Sewer Commissioners
Cohasset, MA

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



Mr. Coughlin was the Project Manager for the CWWMP/EIR studies conducted relative to the Town of Cohasset's wastewater system. The CWWMP was mandated by Judicial Judgment and the scope was negotiated with the MA DEP to ensure a comprehensive analysis of existing conditions and a thorough evaluation of recommendation impacts. The CWWMP/EIR also included the evaluation of treatment and disposal options and the development of conceptual design criteria for recommended alternatives.

CWWMP/EIR evaluations included water quality and benthic deposit evaluations of receiving water systems, dye studies to measure parameters for hydrodynamic modeling of outfall alternatives, CORMIX outfall modeling, biomonitoring evaluations, shoreline sanitary surveys, watershed nutrient loading analyses, wastewater residual alternative analyses, and conceptual design of sewer expansion areas and wastewater treatment plant improvements. Interim evaluations were also conducted per the Judgment including an analysis of the continued use of on-site technologies, existing use evaluations for receiving water systems, identification and evaluation of wetland and aquatic vegetation, and detailed financial impact evaluations based upon various funding alternatives which included the use of SRF funds. The CWWMP/EIR concluded that two sewer districts should be established, one in North Cohasset and the other around the Central sewer systems. The study also concluded that the existing WWTP could also be expanded over four-fold with a Cove outfall. Several priority On-Site Wastewater Management Districts were also identified for further study.



The total value of proposed facilities was over \$20,000,000.

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