

## PROJECTS



# Marine Disposal Hamilton, Bermuda



a multi-port diffuser to increase initial dilution and discharge at a greater distance from shore. The construction of this 200 m long, 400 mm diameter polyethylene outfall was publicly tendered; a local Bermudan marine contractor completed construction. Associated Engineering provided construction administration and inspection services. Subconsultants on the project include the Bermuda Biological Station for Research Inc. and Golder Associates.

The City of Hamilton is the major urban centre in Bermuda. The City sewerage system consists of gravity collection, comminution, and pumping to an outfall on the south coast. The discharge occurs through an open-ended pipe in relatively shallow water.

Associated Engineering was engaged to review possible extension of the outfall and the long-term requirements for additional treatment. Following preliminary studies, Associated Engineering recommended extension of the outfall, addition of a diffuser, and setting aside property for future equivalent primary or secondary treatment.

Associated Engineering directed oceanographic studies which included continuous current measurement, video inspection, bathometric surveys, and geotechnical investigations. Associated Engineering completed detailed designs for extension of the outfall and addition of



City of Hamilton

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