



Algonquin Gas & Transmission 'Hubline' Pipeline

BOSTON, MASSACHUSETTS

Cashman was part of the team that installed a 29-mile underwater gas and transmission line from Beverly to Quincy, MA. Cashman's team designed, furnished and installed a critical cofferdam in Beverly Harbor to connect a portion of the gas main installed by shallow rock boring with the cut & cover main. This connection was made with the rock at or near the surface of the seabed, and required an innovative approach to design and construction.

PROJECT HIGHLIGHTS

- As a subcontractor to Horizon Offshore Contractors (now Cal Dive Int'l.), Cashman provided support of pipe fabrication and placement.
- As a subcontractor to Michels Corp., Cashman provided support of horizontal directional drilling work including the installation of steel piles to support the drill strings.
- Cashman worked directly for owner Algonquin/Spectra, providing welding services, testing support, and the furnishing and installation of the gas main backfill for nearly the entire exposed 29-mile length of the main.
- This operation featured the creative use of dump scows and positioning barges to deposit a precise amount of rock backfill directly onto the gas main.
- Designed, furnished and installed a critical cofferdam in Beverly Harbor to connect a portion of the gas main installed by shallow rock boring with the cut & cover main. This connection was made with the rock at or near the surface of the seabed, and required a very innovative approach to design and construction.

Location: Greater Boston Harbor, MA
(Beverly to Quincy)

Contractor: Cal Dive International
(Formerly Horizon Offshore Contracting Co.)

Contract Dates: 2003 - 2004

Dollar Value: \$30 Million

Awarding Authority / Owner: Algonquin Gas & Transmission Co. of Spectra Energy Corp.

