



Project Description:

- Supply and installation of 4,700 ft. long marine pipeline for potable water, consisting of twin 8"Ø HDPE pipes installed on the seabed across Burrard Inlet from Deep Cove to Belcarra.
- Pipelines were installed in water depths ranging from 0 to 100 ft.
- The pipelines were protected with precast concrete pipe pieces so the pipelines were over weighted resulting in a negative buoyancy, making maneuvering challenging during both fabrication and installation.
- Fabrication & installation of two submerged air release valve systems incased in concrete.
- Dredging a 1,100 m3 trench to bury the pipelines in an area with high marine traffic, as well as import and placement of new material for scour protection.
- Protection of the aquatic habitat by mitigating damage to environmentally sensitive eel grass beds found on both sides of the crossing.

Location: Burrard Inlet
Belcarra, BC

Owner: Village of Belcarra

General Contractor: Vancouver Pile Driving Ltd.

Start: August 2010

Completion: June 2011

Value: \$ 2,000,000

