

Esquimalt Graving Dock Esquimalt, BC



PROJECT PORTFOLIO

Product:

Aquaduct custom 8" trench drain with ductile iron grates



During refurbishment of the dry dock in Esquimalt a grated trench drain was required in the base of the dock to replace the old buried pipe storm drains. The grated trench drain would allow access to the trench for maintenance.

The trench drain is located in the floor of the dry dock to drain water ingress from leaks in the dock wall, as well as capture fluids used to clean ships. The trench also collects metal fragments and sand blasting fines. The collection of this 'sludge' was essential to prevent it washing into the sea.

Due to depth restrictions a shallow system was required, necessitating a custom trench drain with a flat base. The trench drain flows into a sump that can be vacuumed out, and the contents treated as necessary.

The lightweight nature and long lengths offered with fiberglass trench drains enabled the 2-man installation crew to install 400 ft per day, minimizing inconvenience and cost associated with dock down time.

The project has been extremely successful and was awarded the 'Greening Canada' environmental award in recognition of major environmental improvements.