

## Fabco Helix Filter at Brownfield Out Fall



Fabco was contacted by a local engineering company to develop a filter to treat oil/grease residue, contained in ground water seepage, draining from a 42” diameter out fall pipe into a waterway.



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## Fabco filter



The filter was designed to fit into the existing pipe to shorten the time for implementation and keep construction to a minimum.

Alternately, the unit can be supplied in a stand alone vault.



## Installation



Using a modified Fabco design. The project began with the installation of a 30" diameter corrugated pipe within the 42" dia. Outfall pipe.

The plastic pipe was cemented in place so that a clear opening was left at the top of the plastic pipe.



## Helix filter segments



Fabco then inserted 3 Helix filter segments into the permanently install plastic pipe.

The Helix filter are highly effective in capturing hydrocarbons. The 30" dia segments are 36" long and weight approx 50 lbs each.

The filters can be replaced by pulling them out the outfall end of the pipe.



## Fabco Helix Filter



This image shows the outlet end of the Helix filter.

The Stainless steel bar bisecting the pipe keeps the filter elements in place during operation. Opening the bar lets you remove the filter for service.

The plastic pipe is installed leaving a space for by-pass at the top.



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## Stand alone vault



The Helix filter columns are normally supplied inside of a stand alone sub-surface vault.

Each filter column flows at approx 2 cfs.

Vaults can be designed with 1, 2 or 3 columns.

