



# Project: Anglian Water WaStops®

## Sewage Manifold Outlet

Client: Anglian Water



Anglian Water asked ACE for a solution for their marine sewage outlets.

Sewage is traditionally seen as a pollutant yet certain levels should be released into catchments and marine environments to aid a continuance of ecological cycles and promote aquatic growth. Striking this balance was of the utmost importance in this case.

Three Stainless Steel 316 WaStops in sizes 150DN to 250DN were provided and installed with a flange attachment to attach seamlessly to the existing manifold in a horizontal direction.



In addition, an anode of zinc was attached to further prevent corrosion of saltwater and increase longevity of the WaStop Non-Return Valve in this environment.

These diffuser style WaStop Check Valves are able to operate under complete submergence allowing the passage of 15% of the sewage to secrete into the lower sea levels of the Anglian east coast without sea water entering the sewage system.

WaStop Check Valves were chosen as the ideal solution by Anglian Water primarily for their competence in operating in an underwater environment. In addition, their simple design reduced the risk of failure from moving mechanical parts and reduced the need for regular and costly maintenance.

Five years later and our diffuser systems are still working efficiently to the satisfaction of Anglian Water.



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