

SUBMARINE OUTFALL OF FOZ DO ARELHO – PORTUGAL



ETERMAR

2.150 m long submarine outfall in HDPE Ø
710 mm, diffuser at -33.00 CD

CLIENT

Associação de Municípios do Oeste





Submarine Outfall of Foz do Arelho – Portugal

CONSTRUCTION TIME

21 MONTHS

DESCRIPTION

Construction of a Submarine Outfall in HDPE Ø 710, with a total length of 2.150 m, placed at maximum depth of -33.00 m CD.

Close to the shore the pipe is installed in trench previously dredged by suction dredge.

A temporary rock jetty was constructed at the surf zone to allow the use of heavy duty crawler cranes, as well as a sheet piles cofferdam for the installation of the pipe in trench.

The concrete degasification chamber was built on the beach using a sheet pile cofferdam.

Diffuser equipped with red valves to avoid sand entrance.

The Atlantic coast is exposed to hard wave conditions which makes it necessary the use of effective construction solutions in order to profit the short periods of good waves.

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