

ANZA, AGADIR SUBMARINE OUTFALL



ETERMAR

2.867 m long, Ø 700 mm with
diffuser at -31.00 (CD)

CLIENT

R.A.M.S.A. – Régie Autonome Multi-Services d'Agadir





Anza, Agadir Submarine Outfall – Morocco

CONSTRUCTION TIME

24 MONTHS

DESCRIPTION

The outfall is 2.867 m long, for human and industrial treated effluents constructed with pipes HDPE PN100 Ø700 mm, installed in three sections.

Trench section:

Land section 225 m long installed in trench from the load chamber to the beginning of the tunnel. The trench is covered with sand (protective layer) and excavation materials.

Tunnel section:

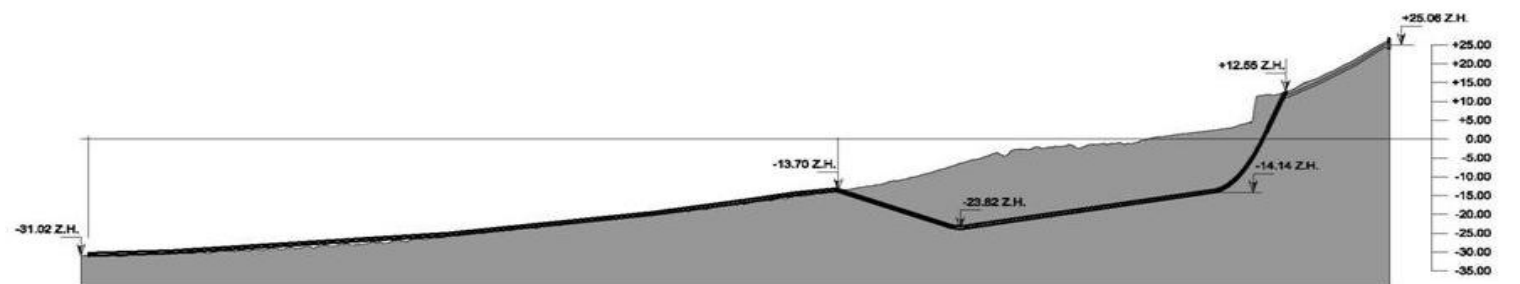
Tunnel executed by Horizontal Drive Drilling with 987 m of length and Ø 1.016 mm. Installation of the HDPE pipe Ø 710 mm inside the tunnel.

Submerged section:

Section of 1.655 m long submerged at depths between -13.70 m and -31.00 m (CD). This section is installed on the sea bottom stabilized by its own weight, concrete ballast rings directly installed on the pipe and by the diffuser that is fixed at the sea bottom.

Diffuser:

Four chimneys diffuser in steel protected against corrosion by sacrificial anodes.



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