

Case Study

Holdenhurst Sewage Treatment Works, Dorset

Client: Wessex Water

Main Contractor & Anchor Installer: [Westwick Construction](#) / [Clancy Docwra](#)



PROJECT SPECIFICATION

To provide an anchored base to a new storm tank (approx 60m x 40m) capable of resisting floatation forces when the tank is empty.

SOLUTION

The prevailing granular soil lying below the site provided ideal conditions for the efficient performance of mechanical anchors. Following testing to determine precise specification, anchors were installed vertically through a thin blinding and pre-stressed to the required load (ultimate 125kN), prior to construction of the reinforcing mesh and subsequent concrete pour. Once completed, the top fittings were completely encased within the tank base.

Anchor Systems: B06TB aluminium bronze anchor c/w 10m of 20mm Ø threaded stainless steel rod, stainless steel load plate and load nut.

Quantity: 260

Anchor Design Life: 60yrs

Soil Type: Granular

