

Case Study

STONER HILL, STEEP, NR PETERSFIELD

Client: Hampshire County Council
Consultant: Dean and Dyball Construction Ltd
Contractor & Anchor Installer: [Precision Cutting Ltd](#)

PROJECT SPECIFICATION

Following a landslide on the C18 Stoner Hill, considerable repair work was required, including the installation of a sheet pile wall to retain the reconstructed carriageway. To minimise the pile depth, permanent anchors were required to provide a horizontal prop force.

SOLUTION

B08 bronze anchors fitted with stainless steel threaded bar were chosen following extensive site tests. These were installed horizontally across the line of the excavated carriageway into the chalk of the hillside. Once the anchors were loadlocked, the stainless steel bars were extended to reach the sheet pile wall and attached using stainless steel loadplates and loadnuts.

Anchor System: B08TB aluminium bronze anchor c/w 13m of 24mm Ø stainless steel threaded bar, 200mm x 200mm stainless steel load plate and loadnut.

Quantity: 34

Anchor Design Life: 120yrs

Soil Type: Chalk

