

Case Study

LANGSHAW, LIMPSFIELD

Client: Private Householder

Consultant: Bond French Associates

Main Contractor & Installer: Langdale Landscapes



PROJECT SPECIFICATION

Several years ago an area of ground at the foot of the extensive sloping garden at the property had been levelled, using "cut and fill" techniques with the resulting cut face stabilised by constructing a retaining wall from railway sleepers. Unfortunately this had since failed, requiring a cost effective and simple to install solution. BFA designed a king post wall, reusing the existing railway sleepers in conjunction with vertical steel channels. To reduce the size of the channel sections and the distance they had to be embedded, Platipus Anchors were specified as tie backs.

SOLUTION

The sandy ground present at the site suggested that a relatively small anchor could be employed to achieve a high load, something later confirmed during site testing. The contractor, Langdale Landscapes had a 1.5t mini excavator on site, which proved ideal for installing the anchors following detailed training from Platipus®. Once the anchors were installed and loadlocked the final railway sleepers were then lowered into position.

Anchor System: S06EB aluminium bronze anchor c/w 7m of 8mm Ø stainless steel wire tendon, isolating washer and 8mm stainless steel wedge grip.

Quantity: 13

Anchor Design Life: 120 yrs

Soil Type: Sand

