



Case Study

ADDLEWELL LANE, YEOVIL

Client: Somerset County Council Highways Department

Consultant: Atkins/Stephen Hawes Associates

Approved Installer: Westpointe Construction Ltd

PROJECT SPECIFICATION

Two sections of the 2m high retaining wall by the side of the road were to be rebuilt. Ground conditions at the site were very variable. A solution for both temporary and permanent works was required whilst the wall was being repaired.

SOLUTION

By using the permanent work B06 and S08 anchors below one additional row of temporary works S08 anchors at 1.2m centres, it was possible to provide temporary works restraint with a factor of safety of 1.6 and then use the same anchors as the key to the permanent design once the wall was reconstructed. This design shows how the Platipus® system uses different anchors at each location, the permanent aluminium bronze anchors offering a 120 year life and the temporary S08 anchors in galvanised spheroidal graphite iron a short term, cost effective support. Finally a new stone facing was constructed onto the concrete wall.

Anchor System: 26 x S08EC galvanised spheroidal graphite iron anchor c/w 6m of 8mm Ø galvanised steel wire tendon, 200mm x 200mm galvanised steel load plate, and 8mm galvanised steel wedge grip (temporary works). 52 x B06TB aluminium bronze anchor c/w 7m of 12mm Ø stainless steel wire tendon, 200mm x 200mm stainless steel load plate, 12mm galvanised steel wedge grip (temporary works), 250mm Ø aluminium bronze inverted pattress plate and 12mm stainless steel wedge grip (permanent works).

Quantity: 78

Anchor Design Life: 120 yrs

Soil Type: Clay

