

Chimay  
S.A. de C.V.

# Case Study

## PENYBANC, CARMARTHENSHIRE, SOUTH WALES

**Client:** HRW Contracting Ltd

**Consultant:** Roger Casey Associates

**Main Contractor & Anchor Installer:** HRW Contracting Ltd

### PROJECT SPECIFICATION

The developers of this new housing estate were not satisfied with the slope of the rear gardens. To level the gardens an additional layer of gabion baskets were needed. Due to the increased height and loading, anchors were required to support the existing gabion retaining wall.

### SOLUTION

Two rows of earth anchors were driven directly through the existing gabion baskets, at 1m centres, to a depth of 4.5m, using a small excavator and machine mounted breaker. The anchors were then proof tested and locked off, providing additional restraint to the wall and surrounding earth. The garden was then levelled.

**Anchor System:** S08EC cast SG iron anchor c/w 4m of 8mm Ø stainless steel wire tendon, 150mm x 150mm load plate, 8mm stainless steel wedge grip and cover.

**Quantity:** 27

**Anchor Design Life:** 50yrs

**Soil Type:** Made ground

