

BLAISE CASTLE ESTATE - BRISTOL (UK)



GROUND ANCHORING

The Blaise Castle Estate is 650 acres of parkland consisting of a deep wooded lime stone gorge, dramatic scenery and a number of historical monuments including a folly castle (above) built in 1766 as a summer house within the perimeter of an Iron Age hill fort. The park also boasts an extensive range of scenic pathways offering views of natural and historical interest.

In the autumn of 2004 and under the project management of Mann Williams (Bath), remedial work was undertaken along one such stretch of pathway, the requirement being to strengthen and stabilise the supporting retaining wall below. The diamond core drilling and anchor installation was contracted to Falcon Structural Repairs of Portishead (Bristol). In total No 232, 16mm diameter x 4500mm long 304 stainless steel rebar anchors were installed into 65mm diameter drill holes. Each anchor was fitted with a 150mm wide front plate and recessed partially into the wall and subsequently concealed behind original facia stone. (see left). No 200, 10mm diameter x 600mm long RAC anchors were also installed to consolidate the structural stonework of the retaining wall itself.

