



CASE STUDY

Bored Pile Retaining Wall & Restraint Parapet

St Martin's Church, Welton

THE PROJECT

Structural monitoring of St Martin's Church.

THE PROBLEM

Existing cracking patterns necessitated monitoring to inform future maintenance.

REMEDY'S SOLUTION

Installation and monitoring of steel monitoring studs to measure seasonal and long term variation in structural cracking.

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St Martin's Church in Welton, Northamptonshire is a Grade II* village church with some parts of the building dating back to 1254. Remedy Geotechnics Ltd. are retained to advise the Church Council on the building behaviour relating to historic cracking patterns within the structure.

A programme of systematic structural monitoring has been implemented to build up a database of structural movement to assess the contribution to structural movement from both seasonal and trending ground movement. The conclusions drawn from the monitoring will inform future maintenance and repair decisions.

Existing cracking patterns have been

visually surveyed, with accompanying photographic record, and structural monitoring implemented on the most serious cracks. Regular three monthly data collection is now being undertaken.

The monitoring methods have been chosen to sensitively balance visual impact with accuracy of monitoring readings.

In time the monitoring record will enable the structural behaviour of the building to be understood and help identify the sources of movement, whether structural or geotechnical.

Contact Remedy Geotechnics - we'll give you an answer every time.

London & Midlands

0207 206 2576
01788 211778

North & Scotland

01423 589500

admin@RemedyGeotechnics.com