



Systems Geotechnique Limited.

Endeavour House,
Abbotsfield Road,
St. Helens,
Merseyside,
WA9 4HU.

Tel: 01744 818009
Fax: 01744 818060



South Birmingham College Redevelopment, Digbeth

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Client: Taylor Woodrow Construction Ltd.

As part of Taylor Woodrow's contract to redevelop Digbeth college, mini piles were required in areas where it was not possible to use a large diameter piling rig due to proximity to a gas main and where underpinning of existing structures was required. Systems Geotechnique, working as specialist subcontractor, designed and constructed eight piles for a tower crane base and a further twenty piles for new foundations and underpinning of the existing listed building.

200mm diameter piles were augered some 7m through clay overburden to bedrock, where a socket was drilled to the designed length so as to achieve the required load capacity. Piles were grouted and reinforced with either single bars or with cages.