



Global Construction Solutions

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PROJECT DATA SHEET

Project Address:

348 Manchester Street
Christchurch

Scope:

Supply and install 114 screw piles to an existing building as part of a factory to office space conversion



Type of Contract:

Negotiated

Screw Piling Installer:

Frank Contracting Limited

General Comments:

Extensive site testing was undertaken including 4 torque vs. depth tests for several pile shaft and helices configurations as well as 6 static load tests for both tension and compression using the GCS test rig. The double helix 168OD screw piles required an installation torque of 60kNm to depths ranging from 5.5m to 7.0m. The challenges for this project included installing in low head room and working over exposed ground beam trenches subject to a rising water table

Screw Pile and Load Test Rig Engineers:

Davis Ogilvie

Structural Engineer:

Constructure

Geotechnical Engineer:

Geoconsult

Builder:

Naylor Love

Year of Installation:

2013

