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To whom it may concern,

WELLINGTON REGIONAL AQUATIC CENTRE HYDROTHERAPY POOL SCREW PILED FOUNDATIONS

Kevin O'Connor & Associates Ltd (KOA) were recently engaged by Global Construction Solutions (GCS) to provide design and construction monitoring services for the screw piled foundations of the new \$2.5 million Wellington Regional Aquatic Centre Hydrotherapy Pool extension in Kilbirnie.

KOA carried out the design of the screw piles using the Geologic Screw Pile system commercialised by GCS. The design was technically challenging as it required consideration of soil liquefaction and anchoring into very dense layers of gravels. The design was also subjected to a very stringent peer review process considering that Geologic products were not widely known by New Zealand designers and local authorities.

The screw piles were designed to resist the prescribed tension and compression loads, and then the design was confirmed following the installation and successful testing of test piles in accordance with AS3159 requirements.

As structural engineers, we were very pleased with the performance of the Geologic Screw Pile system.

I hope the above information is of value and interest.

Yours faithfully

Kevin O'Connor
Managing Director
KEVIN O'CONNOR & ASSOCIATES LTD