



CAPABILITY

Ground Improvement

RIGID INCLUSION DESIGN

Rigid Inclusions are looking to becoming a challenge to traditional piled solutions, extending the reach of traditional ground improvement solutions.

WHY RIGID INCLUSIONS?

They are a cost effective alternative to piling and can be used in weaker ground than stone columns.

Fast installation & no pile cropping required.

A sustainable solution - less concrete and steel compared to piling.

Leave the ground to us!

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Rigid Inclusions

What are Rigid Inclusions?

- A ground improvement solution to increase bearing capacity and reduce settlement.
- Usable for buildings and earthworks/embankments.
- Concrete columns (usually) - typical diameter range 280mm to 450mm (method dependent).
- Installed by displacement, replacement or pre-formed methods.
- Usually unreinforced (may be reinforced e.g. beneath edges of embankments).

How are they designed?

Rigid Inclusion (RI) design requires an understanding of the interaction between the soil, the columns and the granular load transfer platform.

Together the elements act as a system and design usually requires advanced numerical analysis tools.

Why Remedy Geotechnics as your design partner?

We have wide experience in RI design (and execution advice if required).

We can offer a complete design for all the elements (RI and the load transfer platform).

Rigid inclusions are part of our wider geotechnical design offering.

Our contracting background linked to our analytical expertise mesh together to give you a responsive no-nonsense approach to geotechnical design.

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

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