

Case Study

National Manufacturing Institute Scotland Renfrewshire



Project Description:

Enabling works contract to form stabilised piling mats and reduce external make-ups.

Key Works: Bulk Earthworks
Soil Stabilisation
Mass Soil Mixing

Client: The University of Strathclyde

Main Contractor: Morrison Construction

Date / Duration: October 2020 / 12 wks

Topsoil Volume: 7,550m³

Cut / Fill Volume: 11,600m³

Project Challenges / GDL Solutions:

- Extremely challenging ground conditions meant that we had to vary our ground improvement technique to accommodate differing conditions.
- Tight timescale for completion of works to allow access for the follow-on contractor.
- A phased handover of the completed piling platforms to the follow-on contractor allowed early foundation construction.

Project Benefits for Client:

- Our solution allowed the reuse of site won material to form the temporary piling platforms which in turn reduced the requirement to export site worn materials and replace with imported virgin aggregates.
- The limited lorry movements not only minimised disruption to the local community but reduced the carbon footprint of the contract and offered financial savings



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EARTHWORKS



SOIL STABILISATION



VIBRO STONE COLUMNS



DEEP SOIL MIXING