

Case Study

Housing Development Holytown



Project Description:

Enabling works contract on a former Scottish Power Substation site to provide development platforms for the construction of 61 new residential properties.

Key Works:

Structural Earthworks
Soil Modification
Vibro Stone Columns
Topsoil Screening
Retaining Walls

Client:

Miller Homes

Date / Duration:

July 2020 / 6 wks

Topsoil Strip:

6,813m³

Cut / Fill Volume:

10,447m³

Screening Volume:

4,000m³

Project Challenges / GDL Solutions:

- The close proximity to an existing residential area and local business meant that it was essential disruption to the local community was kept to a minimum.
- The site was also bordered by a live railway line and a busy main road so these both had to be taken into account during the construction of our works.

Project Benefits for Client:

- Removed the need for previously proposed piling and trenchfill by utilising a combination of vibro stone columns and modification to provide development platforms. This in turn provided cost savings and cost certainty for our client.
- Topsoil screened to deem it suitable for site reuse.
- Import and export was minimised bringing environmental benefits.



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EARTHWORKS



SOIL STABILISATION



VIBRO STONE COLUMNS



DEEP SOIL MIXING