

# Case Study

## Housing Development

### Larkhall Phase 2



#### Project Description:

Enabling works to prepare the site for the construction of 49 new residential properties.

#### Key Works:

Bulk Earthworks  
Soil Modification  
Vibro Stone Columns  
Steel Driven Piling  
Retaining Walls

#### Client:

Lovell Homes

#### Date / Duration:

July 2019 / 10 wks

#### Topsoil Volume:

6,000m<sup>3</sup>

#### Cut / Fill Volume:

15,000m<sup>3</sup>

#### Project Challenges / GDL Solutions:

- Access through site to existing Primary School to be maintained throughout construction.
- Construction activities scheduled to take account of and minimise impact to previously constructed Phase 1, occupied properties.
- Stockpiled materials from previous construction activities to be incorporated within our works meant materials management very important.



#### Project Benefits for Client:

- A reduction in the number of piled properties resulted in significant cost savings and simplified house foundation construction for the follow on groundworker.
- Cut / fill balance achieved due to the modification of materials previously stockpiled due to unsuitability without treatment.



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EARTHWORKS



SOIL STABILISATION



VIBRO STONE COLUMNS



DEEP SOIL MIXING

