

# Case Study

## Housing Development Winchburgh



### Project Description:

Provision of modified housing platforms and road capping replacement material.

**Key Works:** Bulk Earthworks  
Soil Modification  
Soil Stabilisation

**Client:** Bellway Homes

**Date / Duration:** Ph1 - July 2019 / 4 wks  
Ph2 - June 2020 / 3 wks

**Cut / Fill Volume:** Ph1 - 14,000m<sup>3</sup>  
Ph2 - 10,450m<sup>3</sup>

### Project Challenges / GDL Solutions:

- Fill placed by another earthworks contractor to a lesser specification had to be excavated to allow for treatment and replacement to achieve a full structural specification to allow standard stiffened foundations in lieu of piled foundations.
- Working in a very tight working area alongside the follow on contractor meant that the careful programming and co-ordination of our works was crucial.

### Project Benefits for Client:

- A reduction in the number of piled properties resulted in significant costs savings and simplified house foundation construction for the follow on groundworker.
- A stabilised capping replacement material was provided in lieu of imported stone.



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EARTHWORKS



SOIL STABILISATION



VIBRO STONE COLUMNS



DEEP SOIL MIXING