



Project Description

Enabling works package for a new housing development near Stirling.

Client: Barratt Homes

Works Package: Bulk Earthworks & Soil Modification

Project Numbers:

- Topsoil - 44,000m³
- Bulk Earthworks - 135,000m³
- Soil Modification - 114,000m³

Challenges & GDL Solutions

- A combination of unsuitable soils and the large cut depth and volumes meant that without treatment, piling would have been required.
 - Designed and installed structural improvement layers to create engineered load-bearing podiums, eliminating the need for piling.
- A number of protected trees had to be retained on site.
 - Clear stand offs were established to ensure no damage to trees or their roots.

Client Benefits

- Avoided abnormal foundations reducing costs and simplifying follow-on trades.
- Sustainable material handling minimized import/export of soils, lowering costs, reducing environmental impact, and limiting disruption to the local community.

