

# Case Study

## New Scapa Hospital Orkney



### Project Description:

Appointed to undertake the enabling works package to provide a suitable development platform for the new hospital.

### Key Works:

Earthworks  
Soil Modification  
Soil Stabilisation  
Rock Excavation

### Client:

NHS Orkney

### Main Contractor:

Robertson Group

### Date / Duration:

May 2017 / 5 wks

### Topsoil Strip:

13,000m<sup>3</sup>

### Cut / Fill Volume:

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

### Rock Excavation:

1,500m<sup>3</sup>

### Project Challenges / GDL Solutions:

- Working on Orkney was a first for us so the logistics of completing a project off the mainland was new.
- The existing visitor centre was to stay open throughout our works so careful planning and a robust traffic management system was key.
- The programming of our works was critical to allow a phased handover to the follow on contractor.



### Project Benefits for Client:

- Utilising soil modification and stabilisation provided a suitable founding horizon and therefore simplified the follow on works. We also reduced external construction make-ups.
- Import and export was minimised bringing both financial and environmental benefits.



[www.grounddevelopments.co.uk](http://www.grounddevelopments.co.uk)



EARTHWORKS



SOIL STABILISATION



VIBRO STONE COLUMNS



DEEP SOIL MIXING