

CASE STUDY

Hillside Primary, Port Lethan, Aberdeenshire
Aberdeenshire Council



Main Contractor	Farrans Construction
Client	Aberdeenshire Council
Contract Completion	January 2016
Works Complete	Ground Improvements
Type of contract	Fixed sum

PROJECT DESCRIPTION

We completed the ground improvements work on a new primary school project in Portlethen, Aberdeen for Farrans who were the main contractor to deliver the new Hillside Primary school.

This was a northern Hub project and is one of a number of schools that GDL has worked on in the north-east of Scotland for a variety of main contractors.

We used our expertise to deliver a very high specification soil stabilisation and bulk earthworks programme within a tight programme of just six weeks due to the complex nature of this project that sees the school on a split-level with a two meter difference between the levels.

The overall operation was a cut and fill to achieve the re-profile to meet the design requirements ahead of construction of the primary school.

We maximised site materials by soil modification, screening and crushing. Weathered overburden was stabilised with lime and cement to allow re-compaction.

CASE STUDY

Hillside Primary, Port Lethan, Aberdeenshire
Aberdeenshire Council



Key operational and environmental issues successfully managed included:

SITE TRAFFIC ACCESS

Excavated rocks and boulders were processed and placed over the top of the work platform to provide a level surface for site traffic.



MINIMISING THE IMPACT ON THE ENVIRONMENT

Our approach saved the disposal of 15000m³ of site-won materials elsewhere and this saved over 3000 vehicle movements from the development site which is beneficial to the environment and reduces our carbon foot-print.



KEY CHALLENGES

This project was completed during the winter months which presents a number of key challenges given the unpredictability of the weather, and also the impact that poor weather can have on activity levels on-site.

At just six weeks, the programme of work aimed to minimise our time on-site, whilst still maximizing our expertise and given the unpredictability of the Scottish weather this was a key consideration and challenge throughout the duration of this project.