

DEVERON ROAD, BARASSIE	
Description:	Bulk Earthworks for Housing Development
Form of Contract:	Client-specific
Duration:	20 weeks in 3 visits
Contract Value:	£1,350,000
Client:	George Wimpey West Scotland
Clients Representatives:	Mason Evans; T Lawrie & Partners



This project saw us carry out large scale earthworks for George Wimpey, in preparation for their new joint development with MacTaggart & Mickel in Barassie, near Troon in Ayrshire.

Our job was to carry out bulk earthworks to form platforms for new housing on a greenfield site. The major challenge was the removal of a peat bog and the segregation of the excavated material into peat, silts, clays and re-usable sands. In order to do so without damage to surrounding roads and properties, we installed a propped sheet pile wall along the west boundary of the site. We also undertook detailed dilapidation surveys of all neighbouring residential properties that were considered to be at any risk from the works. The earthworks were carried out successfully, thanks to a carefully-considered strategy that included the installation of a well-pointing system to control inflowing groundwater.

A substantial volume of material was imported from a nearby quarry to replace unsuitable material and to achieve the desired platform levels. The bearing capacity of the platforms was assured by continuous compaction testing during construction and finally verified by a series of plate bearing tests.

Temporary settlement ponds were used to ensure that run-off from the site brought no risk of pollution to adjacent watercourses. In our final visits we worked in close co-ordination with ongoing house building and roadworks on platforms that had been completed previously.