



PROJECT PROFILE: Unilever Bestfoods Distribution Warehouse

Location	Kingswood Lakeside, Cannock. 8.2 hectare site
Client	Simons Construction Ltd
Value	£865K
Duration	10 weeks of a 12 week programme
Quantities	43,000 cu m cut to fill, 41,500 tonne imported stone piling mat. 15,000 tonne imported GSB 1, 14,000 tonne stone crushed on site to GSB 1 specification
Description	<p>Kingswood Lakeside is a 110 acre development site adjacent to the M6 Toll in the West Midlands.</p> <p>Unilever Bestfoods selected the site for development of the company's new distribution warehouse. Occupying 37,160 sq m and comprising of a 31.5m tall high-bay warehouse the development will handle all the company's ambient products. This includes household brands such as Knorr, Ragu, Hellmans, Lipton and Marmite.</p> <p>Power Europe, an Exel Company, undertook the development on behalf of Unilever Bestfoods and contracted Simons Construction to undertake the design and build of the warehouse. As a supply chain partner for Simons, we were contracted to undertake the bulk earthworks and stone fill package. This involved 43,000 cu m cut to fill followed by the placement of a 450mm thick piling mat containing some 41,500 tonnes of single sized stone that lay within a strict grading envelope designed by the dynamic compaction sub-contractor. Tolerances were carefully controlled on the piling platform due to the requirements of the piling rigs and we chose to use laser guided LGP dozers to give us both the accuracy and speed necessary to meet our tight programme.</p> <p>The condition of the existing soils meant that we had to carefully engineer a best value solution to minimise the amount of unsuitable material that would require remediating before use. By good management of the existing soils on the site we completed the earthworks without the need for remediation thereby saving our Client cost and, more importantly, time.</p> <p>Upon completion of the dynamic compaction the level of the piling platform had not reduced to the required underside of GSB 1 level. By lifting the excess material and crushing, testing and relaying it, considerable savings were able to be passed to the Client.</p> <p>Undertaken during the winter during periods of heavy rain Barton Plant completed two weeks ahead of programme.</p>

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