



Market Sector	Private Finance Initiative
Scope of Works	Soil Stabilisation & Remediation
Site	Dartford & Gravesend Hospital, Dartford, Kent
Client	Dartford & Gravesend Hospital
Main Contractor	Carillion Plc
Engineer	Symonds Group
Value	£3.5m

Description

Preliminary Site Investigations identified the soft clay, gravels & chalk ground as being suitable for stabilisation and tests confirmed that this would be a viable alternative to using imported granular fill. After laboratory testing of the existing ground, the appropriate binder and binder content was identified for the required engineering properties. The Engineer, Symonds Group, ensured that DOT Specifications were met. By constructing the sub-base and capping layers via stabilisation the importation of aggregate was unnecessary, resulting in significant cost savings, which in turn resulted in the elimination of some 3,000 potential lorry movements in the local area. Furthermore, the stabilised material demonstrated substantially enhanced engineering properties, enabling the Main Contractor to reduce the amount of bitumen required for the Car Park surface.

A detailed Case Study produced in association with the British Cement Association is attached for further information

O'Keefe Soil Remediation

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