

Earthworks

Soil Stabilisation

Site Remediation



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CASE STUDY

Project	FGS 4011 – Bulk Fill Trench
Location	Becton East London
Client	Reynolds Groundwork Services
Key works delivered	Stabilisation of Excavated material – Making Up Levels
Project Duration	4 weeks
Stabilised Volume	4,500m ³
Earthworks	By MC

PROJECT OVERVIEW

Approx. 4,500m³ of excavated material deemed unsuitable to bulk fill without treatment and improvement for re-use on site. Potentially the material would have to be removed from site and Fill material imported.

Furlong Ground Stabilisation worked closely with the client team to provide a Design and Treatment plan for the Treatment of the site material



FURLONG

Ground Stabilisation

Designed in accordance with (MCHW)

Series 600 CD22 and CC201 Foundations and Pavement Design

Following analysis of the host site won material and Lab Testing of the site won material, Furlong Ground Stabilisation Designed the Treatment Plan for the material to achieve min 5.0% CBR in Bulk Fill and 15% CBR under Foundations.



The excavated material was treated and Stabilised ex-situ alongside the works and placed over the build up area in 300mm layers and compacted.

Foundations and trenches were subsequently excavated through the stabilised material as shown above.

Project and Client Benefits

FURLONG Ground Stabilisation provided a Design and Treatment package for the Treatment and Stabilisation of the excavated material for use as acceptable Bulk fill. Our MCHW (CC201) design enabled our client to utilise Site Won material to create the modified Trench Fill and save time and money on the project.

