FURLONG
Ground Stabilisation

Earthworks
Soil Stabilisation
Site Remediation

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CASE STUDY

Project	FGS 4022 – Site Drying and Capping Layer
Location	St Ives
Client	Warehousing Developer
Key works delivered	Drying Site and Stabilised 300mm Capping Replacement Layer
Project Duration	5 Days
Stabilised Area	2,000m^2
Earthworks	By MC

PROJECT OVERVIEW

Approx. 2,000m2 of site was considered too wet and waterlogged for works to continue without some drying works.



Challenge

Works programme was very tight and the weather was not going to improve for several days

Furlong Ground Stabilisation worked closely with the Site team to provide a solution to dry the site without exporting the wet material and to prevent importing of a capping.

The Stabilised Capping Layer would replace the imported capping layer and as such was designed in accordance with Series 600 CD22 and CC201 Foundations and Pavement Design



Solution

FGS used Hydrated Lime to reduce the moisture in the Made Ground material to achieve a workable material @ OMC Optimum Moisture Condition within range 18 – 22%

Stabilised CBM Pavement Foundation Construction Layer was provided using CEMII cement



All testing undertaken by Furlong GS Inhouse Technician

MCV (Moisture Condition Value)



CBR (California Bearing Ratio)



Project and Client Benefits

FURLONG Ground Stabilisation provided a Design and Deliver package for the Site Drying and Capping Replacement layers.

Our MCHW (CC201) design enabled our client to utilise Site Won material to create the Capping Replacement Layer and save time and money on the project.

