JJ Mac Ltd

Ground Stabilisation

CASE STUDY

Stowmarket - New Store

Project	JJM2529 - Stockpile Material Treatment
Location	Stowmarket
Client	Lidl
Key works delivered	Drying and Stockpile Material Treatment - Lime and Cement Mixing
Project Duration	Jan 2021 - 4 weeks
Stabilised Area	5,000m^2
Earthworks	By Client

PROJECT OVERVIEW

Site had become water-logged and very badly cut up from drainage and other groundworks. JJMac invited to site to offer solutions to enable works to progress and to treat the saturated site and return to a workable site.

PROJECT CHALLENGES

Our team were challenged by the levels site and water ingress from nearby water sources such as a river alongside the site and poorly backfilled ponds at time of remediation.
Jan/Feb 21 also very wet and snow on site

ENGINEERING AND SOLUTIONS TO OVERCOME THE CHALLENGES

To overcome the project challenges, set by the client, our team:

- Worked with the client and advised on the findings of the existing **Site Investigation Information** as to the best and quickest solution for a stabilised site.
- We carried out a site assessment to enable our client to best work with our stabilising crew and achieve the outcome required.

- Our site team then set to work with Quicklime to Dry/Modify the saturated material on site to create a working platform. Once the drying work was done we started to place 300mm layers of the stockpile material ready for cement mixing.

Lime Drying

Cement Mixing

Stockpile material Placed and Cement Mixed in Layers

ADVANTAGES

The works had a two-fold advantage to this site.

- Drying and modification of saturated material destined for off-site disposal saving disposal costs and programme time.
- Excavated material from the stockpile mixed with cement to create a Capping layer on site for Access Road and Parking areas. Replacing imported Primary Aggregate.

BENEFITS TO CLIENT