

BOURNE PE10 0AU - STORAGE DEPOT

Project	JJM2505 - Storage Depot
Location	Bourne
Client	HZ Logistics
Key works delivered	Ground Stabilisation
Project Duration	Sept 2020 - 1 WEEKS
Stabilised Area	2,000m ²
Earthworks volume	



PROJECT OVERVIEW

New works to the storage yard and surrounding building – Weather turned and works halted. Options considered by the client.

1. Wait until the site dried out
2. Excavate and lay down imported material to form a working platform
3. **Stabilise the Area and eliminate 1 and 2 above**

PROJECT CHALLENGES

Our team were challenged by restricted access, (which meant an export of muck and import of aggregates would have been difficult with circa. 200 lorry movements in this area). Restore the site to a workable site for the remaining paving and building works to progress on Programme and without removing any material from site.

ENGINEERING AND SOLUTIONS TO OVERCOME THE CHALLENGES

In order to overcome the project challenges, set by the client, our team:

- Worked with the client and advised on the finding of the existing **Site Investigation Information** as to the best and quickest solution for a stabilised site.
- We carried out on site **CBR testing** to enable our Designers to generate a very efficient design solution for our client
- Our site team then set to work to improve the soil and dry out the site with lime and then created a 300mm thick layer of stabilised soil using cement



- The works had a two-fold advantage to this site. **JJMac Ground Stabilisation Dried** the site out, saving programme time. The 300mm cement layer (once capped with Type1) served as a **Piling and Working Platform** to allow the site works to continue in dry clean conditions



BENEFITS TO CLIENT

Cost Saving

40%

Programme Reduction

60%

Vehicle Movements Reduction

80%

Imported Aggregate Reduction

85%

Material Sent To Landfill Reduced By

100%

Stone Layer Depth Reduction

60%