

## Colchester CO3 ONN - Access Road

<b>Project</b>	JJM2522 - New Access Road
<b>Location</b>	Colchester
<b>Client</b>	Bell House Landfill
<b>Key works delivered</b>	Ground Stabilisation
<b>Project Duration</b>	Nov 2020 - 1 day
<b>Stabilised Area</b>	1,000m <sup>2</sup>
<b>Earthworks volume</b>	By Client



### PROJECT OVERVIEW

New Access Route to Land Fill Tip. All made Ground – No firm base. CBR<1.0%  
– Options available to Client for Construction

1. Import circa 7,000m<sup>3</sup> of 6F material and compact.
2. **Stabilise the New Access Road**

### PROJECT CHALLENGES

Our team were challenged by the poor CBRs and availability of good firm sub-base material to stabilise.

Access to the works area for the stabilising equipment running on very soft ground.

**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 to form a CBM layer



- 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) to create a very robust and efficient new Access Road to the Landfill.



**BENEFITS TO CLIENT**

