The British Cementitious Paving Association



King Edward Quay, Colchester


The Project

King Edward Quay is a mixed-use development incorporating 765 bed student accommodation for Essex University.

A large stockpile of wet drainage arising's had accumulated on Phase 2 of the new student accommodation blocks being constructed. With around 4000m3 of fill required in this area, it made financial sense to stabilise some of the material from the stockpile and muck away the balance, rather than muck away the entire stockpile and import fill material.

Pryor took samples of the stockpile for suitability testing in the lab. The results came back which showed that the material will achieve the required strengths.

The stockpile was in the middle of the fill area, so the outside was brought up to form the first modifying layer which was then stabilised.

The surplus stockpile was pushed onto the piling mat formation for later muck away, whilst the hole left under where the stockpile was, was again, brought up in modified layers and the formation stabilised.

Pryor then pushed out a layer of imported recycled crushed concrete for the piling contractor to run on.

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Project Benefits

- Cost effective on-site solution
- Utilised existing stockpile
- Minimal material importation necessary

For more information visit
www.pryor.co.uk

Project details

Client:	Essex University
Project duration:	1 Week
Main contractor:	J R Pickstock
Soil stabilisation contractor:	C J Pryor
Area stabilised:	4,000 m3
Soil type:	
Blend:	
Specialist plant:	

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