



## Case

# STUDY

### TENAX HM

Dodwells Island, Hinckley  
Drainage System

## The BACKGROUND

As part of the Highways England Pinch point programme the A5/A47 Dodwells Island was identified as needing improvements to alleviate congestion.



**MARKET SECTOR:**  
Environmental



**LOCATION:**  
A5/A47 Dodwells Island  
Hinckley, Leicestershire



**CONTRACTOR:**  
Crown Highways Limited

## Our Client's REQUIREMENTS

Reprofiled drainage ditches to prevent soil erosion and scour protection.

As part of the drainage design the existing channels and ditches were re-profiled and the designer determined an erosion control mat capable of dealing with flow rates up to 5.5m/s was required.

### Technical Requirements:

- Erosion control protection matting
- Capable of coping with flow rates up to 5.5 - 7.6 m/s

## Our Value Engineered **SOLUTION**

Geosynthetics Limited proposed the use of East Coast ECC3 composite matting. When vegetated ECC3 can cope with flow rates of up to 7.6m/s. The combination of performance, cost and availability made ECC3 a clear choice for the contractor.

**“Geosynthetics were able to propose a cost effective alternative that both met with the engineers approval and was readily available for delivery.”**

**PHIL CURRY**  
Contracts Manager

