



Case

STUDY

BENTOTEX, EKOTEX

Oak Farm
Wildlife Habitat Pond



MARKET SECTOR:
Environmental



LOCATION:
Oak Farm, Westbury
Brackley, NN13 5RJ



CONTRACTOR:
Fusion JV



INSTALLER:
Forkers LTD

The BACKGROUND

As part of the enabling works across the central section of HS2, it was identified that alternative habitat must be created for wildlife along the proposed route of the new high speed rail project.

This includes the creation of aquatic habitat for amphibious creatures such as the protected great crested newts.

Our Client's REQUIREMENTS

A sustainable solution for a reinforced wildlife habitat pond.

HS2 designers had determined five possible lining solutions for ecological mitigation sites including bentonite liners.

Geosynthetics Ltd proposed the use of Bentotex® GCL with a 300mm surcharge material to form the liner for the pond. Ekotex® 20 non woven geotextile was proposed as a protection fleece for use above and below the liner to prevent damage during installation.

Our Value Engineered **SOLUTION**

The Bentotex® liner allowed the installation of the pond without the requirement of specialist welding teams.

The use of Bentotex® liners also allowed the contractor to achieve a green edge solution ensuring that the lining system would not be exposed as water levels fluctuate.

Geosynthetics Ltd were able to dispatch both liner and protection fleece on a single vehicle from stock reducing the number of vehicle movements required on site.

