

# Polypipe's Permavoid system offers a shallow solution for Hanworth Trading Estate

With the Longford River right next to the site, Hanworth Estate needed the shallowest of drainage systems.



Hanworth Trading Estate is a development in Feltham, London, that comprises of eight individual industrial units. Immediately adjacent is the water course of the Longford River, which severely limited drainage options on the site itself due to a high water table.

Sites with high water tables such as this require specific design and construction measures to avoid issues such as flotation of attenuation structures and often prevents the use of soakaways.

Anti-flotation and temporary dewatering measures are invariably very expensive. It was for these reasons that a Permavoid system from Polypipe, in conjunction with SEL, was specified by Odyssey Consulting Engineers.

The Permavoid system is designed to provide shallow water storage for attenuation or infiltration within a pavement structure.

## Stormwater drainage with high water table

The Hanworth installation now delivers an effective storm water drainage system to satisfy the demands of the development and captures water at source, helping to comply with the Flood and Water Management Act of 2010.

This project is the perfect example of the design flexibility that Polypipe's Permavoid can offer. We are the only manufacturer who can offer both shallow and deep solutions. By talking to us at the early stages of your project you may find that a combination of both shallow and deep systems installed in different areas across the site may provide cost savings to your projects.

### CASE STUDY

#### Project

Hanworth Trading Estate  
Permavoid System Installation

#### Client

Hanworth Trading Estate

#### Application

For High Water Table Drainage

#### Products

Permavoid