



## Case

# STUDY

## DUODRAIN®

The Great West Quarter  
Ground development



**MARKET SECTOR:**  
Commercial



**LOCATION:**  
New Apartments, Great West  
Road, Brentford,



**CONTRACTOR:**  
Elite Landscapes

## The BACKGROUND

**The Great West Quarter is the premier regeneration scheme in Brentford, Middlesex on the fringes of Chiswick, Hammersmith and Richmond.**

It is a redevelopment of former industrial ground surrounding the 'Art Deco' Wallis House just off junction 2 of the Great West Road (M4).



## Our Client's REQUIREMENTS

A sustainable solution  
the development of new  
apartment blocks

**The development comprises over 800 new homes set among piazzas and green open spaces, with a variety of shops, offices, restaurants and an iconic 30 story hotel tower.**

The project team needed to find a product that would act as a horizontal drainage medium underneath the open spaces, piazzas and recreational areas of the development. Lots of these areas are raised docks with parking or maintenance space below them.

The product needed to fulfil a number of requirements:

- Large coverage per roll: To speed up installation
- Small roll size: Limited on site storage space
- Light weight: To enable easy handling on site
- High compressive strength: To cope with surcharge material
- Long design life: To satisfy the consultant/client
- High capacity flow rate: To cope with estimated run-off
- Competitive price per m2: Large quantity required

## Our Value Engineered

# SOLUTION

**The Duodrain® DD25 satisfied all the requirements of this specialist application, as well as being available immediately from stock.**

The project ultimately utilized over 10,000m<sup>2</sup> of Duodrain® DD25, all delivered on schedule. When compared to a traditional drainage solution (graded aggregate layer surrounded in geotextile) the Duodrain® provided significant savings to the contractor and in due course to the client.

The Duodrain® DD25 satisfied all the requirements of this specialist application, as well as being available immediately from stock. The project ultimately utilized over 10,000m<sup>2</sup> of Duodrain® DD25, all delivered on schedule. When compared to a traditional drainage solution (graded aggregate layer surrounded in geotextile) the Duodrain® provided significant savings to the contractor and in due course to the client.

The benefits of using Duodrain® DD25 in this case were:

- Long design life – To satisfy the consultant/client
- High compressive strength – To cope with surcharge material
- High capacity flow rate – To cope with estimated run-off
- Competitive price per m<sup>2</sup> – Large quantity required

