

# Project Report

## New Providence Wharf, London



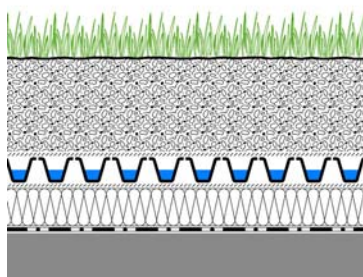
Each floor was vegetated with lawn and contains a small swimming pool.

### Conception

Situated on the banks of the river Thames opposite the Millennium Dome, this remarkable housing project incorporates an oblique elliptical-shaped living roof that terraces like a giant spiral staircase over 8 floors. A central lawn and pool area are also green roof features of this leading edge residential project. Each terraced green roof level is surrounded by a robust hedge of evergreen shrubs, protecting the site from high winds and curious neighbouring eyes. The 58 m high roof deck has been vegetated with carefully selected sedums

to provide sanctuary and habitat for the rare Black Redstart bird. This vegetation was installed onto the roof in pre-cultivated mats to ensure success in this very windy environment. The central courtyard is surrounded by the building and is also located on a roof. In this case above a large underground car park. An oval lawn at the centre of this area is surrounded by a walkway bench seating and serpentine water feature, complete with jetty-like balconies extending from the ground floor apartments.

### System Build-up



- Plant layer according to design plan
- System Substrate "Roof Garden"
- Filter Sheet SF
- Floradrain FD® 40-E
- Filter Sheet SF
- Thermal insulation XPS
- Roof construction with root resistant waterproofing

**Project Data**

Area: ca. 3.000 m<sup>2</sup>

Construction Year: 2004

Architect/Design:  
Skidmore, Owings & Merrill (SOM),  
London

Greenroof Provider:  
Alumasc Exterior Building Products Ltd

System build-up:  
"Lawn" with Floradrain® FD 40-E

Coordinates:  
51°30'21.62"N 0°00'17.05"W



Aerial view of New Providence Wharf building in London.



The inner courtyard with park benches above the underground garage.



View from the top of the New Providence Wharf onto the inner courtyard covering an underground parking.



The balconies of the ground floor flats jut out over the artificial watercourse.



Water flows down the stairs like a waterfall.