

BATTLE McCARTHY ©

Consulting Engineers & Landscape Architects



PROJECT:

Deptford Creative Village, Creekside, London, SE8

CLIENT:

Ampurius NU Homes Investments Ltd

ARCHITECTS:

Squire & Partners

BM SERVICES:

Sustainability Consultants and MEP Engineers

PROJECT VALUE:

Undisclosed

DESIGN INITIATIVES

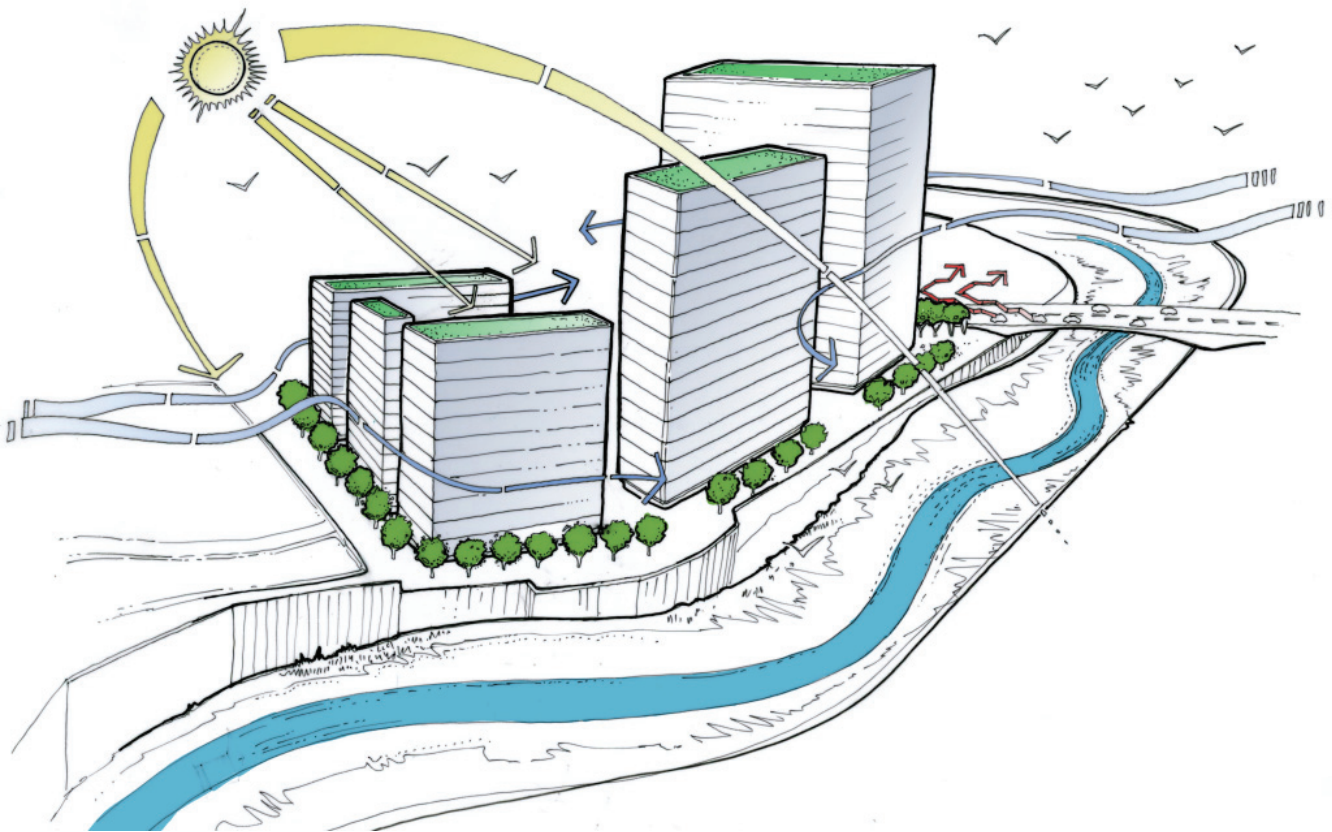
The client's brief for the redevelopment of the site is to deliver new buildings of the highest possible quality, which would act as a dynamic catalyst for the regeneration of the area as a whole, thereby increasing and enhancing the value of the development and the surrounding area. The buildings are to provide a mixed-use development containing a significant new centre for an "artist's" village and new educational and public music and dance facilities for the newly combined Trinity Laban. The commercial element will provide both retail and office uses to enable maximum flexibility and adaptability throughout the buildings' lives, along with residential apartments and ancillary uses.

Besides the external skins of the buildings, which have been designed to minimise the requirement for supplementary heating and cooling, several other methods of reducing carbon consumption have been integrated into the scheme. Considerate massing, correct facade specification that varies according to sunlight environment. Ground source heat pumps, centralised boiler plant, and biomass boilers will all be implemented. These have proven to be practicable ways of reducing a development's overall environmental impact.

TARGETS

Using the standards available at the time of assessment, the design team has delivered a building with EcoHomes rating 'excellent'. Under the recently published 2006 guidance a rating of excellent is still achieved for a large number of units for the same specification. The scheme also meets the GLA's sustainability targets and exceeds the 60% renewables target.

London UK Office
T: +44 (0)20 7440 8282
F: +44 (0)20 7440 8292
E: admin@battlemccarthy.com
www.battlemccarthy.com



Micro climate drawing



1. A catalyst for change

Our aim is that the design solution will enhance the considerable steps taken by the adjoining Laban dance centre and together help become a catalyst for economic growth, social benefit and environmental improvement



2. Respect for the site

The development will build on existing landscape and ecological opportunities:

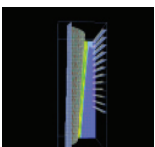
- Create new habitat for Black redstarts
- Preserve and enhance Deptford Creek to increase its ecological and aesthetic value
- Build a Sustainable urban Drainage System (SUDS) to retain water, mitigate flooding and enhance the natural habitat
- Implement a managed landscape strategy to enhance the ecology and beauty of the site.



3. Health and well being

We will appreciate the needs of the occupants and visitors to the site

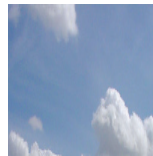
- Provide good access to daylight and sunlight in the home specifically to the living spaces i.e. living rooms and kitchens
- Creating landscapes and building forms that protect against the elements and the influences of external pollutants
- Provide enhanced levels of sound control beyond regulations
- landscaped spaces for people to enjoy all year round
- Improved access to local amenities



4. A bioclimatic building

A building fabric, which responds to the environment around it:

- Is solar orientation specific i.e. each elevation is different
- Window sizes that vary dependent upon availability to daylight
- Responsive to wind - allows natural ventilation while protects against direct wind ingress.



5. Low Energy, Low Carbon, Low Resource

This will be a development that exceeds expectations in energy, carbon and water savings, providing:

- A reduction in conventional energy use
- Reduced carbon emissions
- Reduced water consumption



6. Building good practice from the beginning

A development committed to implementing sustainable construction techniques such as:

- Maximising use of recycled materials
- Designing for recyclability and re-use
- Implementing sustainable practices in supply chain management, materials selection and in waste management



7. Green Construction and management

A development that considers its impacts from the beginning and is able to develop to meet changing demands

- On site construction waste management
- Construction pollution mitigation including land, air, water and noise
- Implementation of a Considerate contractors scheme
- Detailed green guide to operation and maintenance for all
- Sustainability workshops



8. Aiming for excellence and innovation

- The team is committed to achieving a BREEAM and EcoHomes 2005 Excellent rating and will work with the Building Research Establishment to achieve this.
- Innovation encouraged in design and supply teams