

BATTLE McCARTHY ©

Consulting Engineers & Landscape Architects



PROJECT:

Greenwich Millennium Village, London

CLIENT:

Countryside Properties Plc./Taywood Homes

ARCHITECTS:

Ralph Erskine/HTA Architects

BM SERVICES:

Multi-disciplinary Engineering
& Landscape Architecture

CONTRACT DATE:

2000 - 2002

VALUE:

£250million

DESIGN BRIEF

To develop integrated structural and servicing solutions, environmental site analysis, technical appraisals for building systems and water recycling and detailed landscape proposals for the Greenwich Millennium Village, a new urban quarter of 1377 mixed tenure homes on the Greenwich Peninsula in South East London.

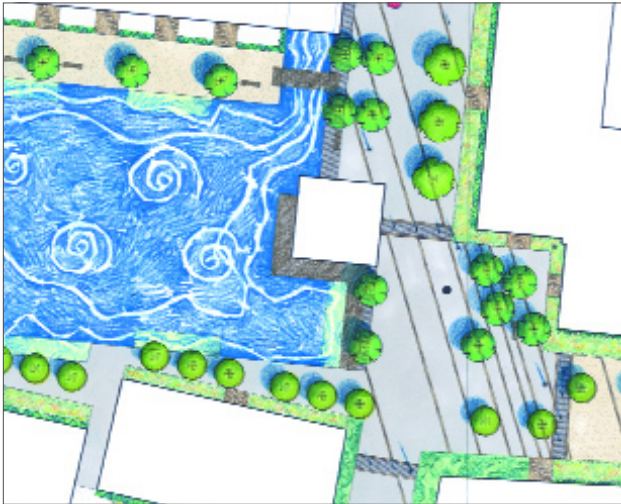
DESIGN INITIATIVES/ACTIONS UNDERTAKEN

The village provides a new approach to high density housing, designed for environmental sustainability. It aims to create an inclusive community and incorporates mixed tenure arrangements, all of which benefit from extensive IT infrastructure linked to every home.

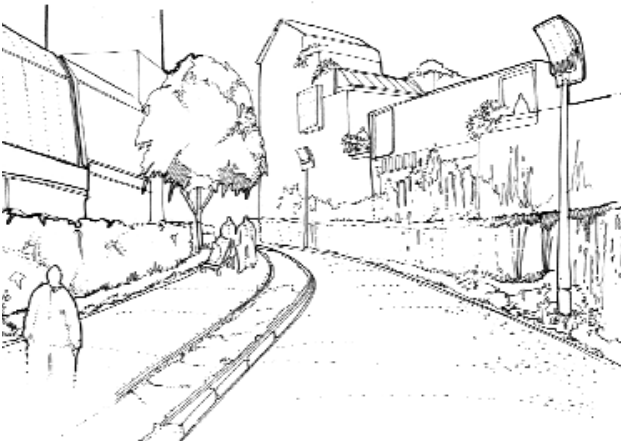
Battle McCarthy was involved in the early stages of the project to scheme design including multi-disciplinary engineering, sustainable masterplanning, landscape design and integrated ecological design and in the detailed design of integrated landscape proposals for the village as a whole. Our involvement covered:

- Development of integrated structure and servicing solutions including pre-engineered facades and floor cassettes.
- Development of proposals for the internal arrangement of living spaces to give a greater degree of flexibility and adaptability.
- Environmental analysis of wind environment and solar penetration.
- Preparation of building technology guidelines for the developer GMV Ltd.
- Preparation of detailed technical appraisals of heating ventilation and cooling systems and household greywater recycling systems.
- Preparation of a performance specification for on-site CHP.
- Preparation of marketing datasheets covering masterplan proposals, quality of environment and construction, sustainability and social innovation.
- Preparation of detailed landscape proposals integrating public realm, services, transport proposals and ecology.

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Part plan of phase 4 landscape proposals



Typical streetscape

Detailed landscape proposals created a spatial hierarchy of urban squares, streets and courtyards arranged around an ecology park which serves both as recreational space and an extension of the Thames into the heart of the village. The landscape is used as an organisational framework, giving pedestrians and cyclists priority over vehicle movement and creating a network of living streets designed to stimulate community interaction. High quality hard and soft materials and street furniture elements were selected to give continuity between phases of the development and compliment the materials used on the wider Peninsula.



View across the ecology park to phase 1



View of phase 1 buildings



View across the ecology park