



Figure 5.16 Design for ecological sustainability in Surrey, by Gale and Snowden. Plan.

16 Great Guilford Street, London SE1, was designed by Gale and Snowden, an architectural practice based in Barnstaple and specializing in ecological and energy efficient design.

The main concept for the site is the integration of building and landscape to provide the occupants with shelter, energy, food and water in an ecologically sustainable way. The principles of design follow the philosophy of permaculture. An existing

seventeenth-century building, when completed and refurbished can, together with the landscape, provide a robust, efficient, self-perpetuating, balanced ecosystem (Figures 5.16 to 5.19). The building will use on-site renewable energies including passive solar heat and coppiced wood, along with effective superinsulation. Sympathetic energy-efficient window and door detailing, draught proofing, passive ventilation and low-energy appliances