

CLIENT	Mansell Construction Services Ltd
PROJECT	Cazenove, Stoke Newington, London N16
ARCHITECT	ECD Architects
VALUE	£7 million
WORK SCOPE	Construction of the Cazenove, a new build residential complex, comprising of both private and social housing



NLG Associates were appointed by Mansell Construction to engineer a multi-discipline design for the Cazenove, a new build development forming part of the existing George Downing Estate social housing redevelopment located in Stoke Newington, London.

The Brief

The Cazenove consisted of 56 domestic dwellings divided into 12 houses and 44 apartments all situated on a brown field site.

Our contribution to the project was split into two phases.

1. The initial phase related purely to the sites utilities infrastructure supplies.
2. Following successfully completed, Mansell Construction then appointed NLG Associates to fully design and coordinate all Cazenove's above ground utility services.



Phase 1

NLG Associates were responsible for the full utility assert searches / applications and collation of all relevant site/utility surveys required to ascertain the full extent of the existing site infrastructure services and distribution to all companies involved within the design and build processes. This process highlighted all potential underground clashes which would occur between the proposed new building foundations and existing utility services including water, electric, gas and telecommunications.

Included was responsibility for designing alternative service routings and identify suitable entry point locations and methods for routing into the buildings. A challenging process due to space restrictions allocated on site and consequently all associated groundwork's had to be designed, approved and installed to meet the tight construction programme, thus avoiding any major delays to the overall project.

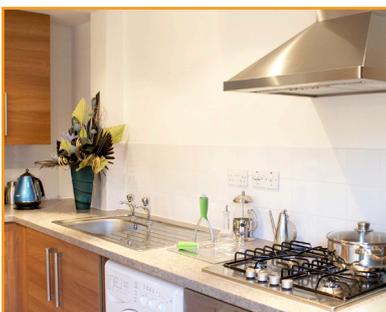


NLG Associates identified and advised that the Local Water Authority supply pressure to the site was insufficient to serve the upper levels of the proposed four storey blocks, thus avoiding substantial cost being incurred on the development at a later date. NLG Associates then overcame the problem by successfully engineering a design solution to maintain a consistent water supply via a buried centralised cold water storage tank and associated plant room which distributed a boosted cold water supply to serve all houses and apartments.

Phase 2

NLG Associates engineered all Cazenove's utility services. The fully coordinated design comprised of electrical services, hot and cold water, heating, gas supply, kitchen / bathroom ventilation as well as soil and waste drainage systems.

Our design brief was to comply with, and where possible, enhance the employer's requirements for the 'eco' design standards, ensuring that all electrical and mechanical systems were as efficient as possible taking into account fuel poverty. NLG Associates also played a key role in defining the 'secure by design' brief ensuring that the development was well lit and providing robust materials at ground floor levels.



“NLG Associates is a multi-disciplined practice with building services at its core, as demonstrated on the successful completion of the Cazenove development.”

Abdul Chaudhry, D&B Manager, Mansell Construction