

## Hendon Lane, Finchley, London

### Our Services

- Site Investigation
- Slope Ability Analysis
- Design recommendations
- Restoration Supervision



### Slope Ability Analysis and Supervision

**CGL** was appointed by Rialto Homes to investigate a localised landslip to the rear of an apartment block in Finchley, north London.

The site had been a market garden until redeveloped in the early 1990s. A site investigation had been done at this time that revealed colluvium on the upper boundary of the site over London Clay and localised raised groundwater within it.

The development included significant regrading of the site to form the residential complex that included a part-basement built into the slope.

During May 2001 a significant proportion of the slope, some 60m long and 6m high, failed bringing with it most of the landscape vegetation.

Access for investigation and restoration was very restricted and only man-portable equipment could be used, lifted into position from specially erected scaffolding.

The investigation and installed inclinometers confirmed a shallow depth rotational failure that was then analysed using *Oaysis* SLOPE.

Restoration measures involved the construction of counterfort drains dug by mini digger across the site, re-profiling and toe wall construction combined with restoration of the landscaping.

Client: Rialto Homes Ltd