

## Springhead Park, Ebbsfleet

### Our Services

- Desk Study and Data Review
- Ground Investigation
- Foundation Risk Assessment
- Risk Management
- Foundation and Infrastructure Design
- Regulator Negotiations
- Land Contamination Assessment
- Remediation Supervision and Validation



### Chalk Mining Assessment and Remediation

The Springhead Park residential development is in an area known for chalk mining and solution features. Having completed approximately half the build in a 600-unit development, the client, Countryside Properties, decided to employ a fresh approach to the engineering design of the scheme. Working closely with the structural and civil engineers for the project, **CGL** carried out a detailed review of available information and reports, dating back almost 10 years, to allow rationalisation and simplification of the foundation scheme for Phase 1 of the scheme.

Essentially, addressing the mining issues at this site is all about managing risk. As a number of chalk dissolution features and deneholes (medieval chalk mines) had been encountered. However, with careful mapping of the locations of known features and, taking into account considerable differences in the geology between the development phases, **CGL** was able to demonstrate that the risks associated with such features were significantly lower for the Phase 2 development.

The expertise and skill of **CGL** staff and their structural and civil engineering colleagues have already delivered substantial financial, practicality and programme benefits for the project and the client. We are continuing to support this client in phases that follow.

Client: Countryside Properties