

W1190 Kidderpore Avenue - Piling Statement

The foundations for the proposed development at Kidderpore Avenue shall be a combination of traditional trench footings to some plots and piled foundations to other plots. The piling is limited to areas to Blocks F-H along the Finchley Road side of the site, Block E to the west of the site, and within Block D – the library block.

The piling shall be carried out as continuous flight augered construction rather than a driven pile. CFA piling is a method of installing concrete piles by drilling an auger into the soils down to the required depth, and pumping concrete through the auger stem into the hole. This method of construction causes minimal disturbance to the soils in comparison to impact piling methods. The noise, vibration and the potential for damage to sub-surface sewerage infrastructure is greatly reduced when compared to pile driving techniques.

Piling will be carried out using the following methodology:

- A piling platform consisting of crushed aggregate shall be placed and compacted in layers with a roller compactor to act as a working surface for the piling rig.
- A continuous flight augered piling rig will be used to drill the pile locations and to fill with concrete. The auger shall be drilled through the surface soils into the underlying clay bearing stratum. Concrete shall be pumped into the augered hole as the auger is extracted.
- The reinforcement cage shall then be lifted into the wet concrete and the concrete left to cure.

Prior to commencement, the contractor shall familiarise themselves with all site surveys and service records for the site, and take due account of any buried services.

Works shall be carried out in accordance with the piling drawings and specification for piling works produced by Gravity Consulting Engineers.