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20th September 2024

RG Group

Dear Sirs,

The Hale, Tottenham Hale – Piling Impact Technical Note

The proposed development consists of a perimeter contiguous continuous flight auger (CFA) piled retaining wall to construct a single storey basement with CFA piles internally to support the new structural frame on reinforced concrete pile caps.

The site levels are not proposed to be raised or lowered prior to the installation of the contiguous CFA retaining wall, therefore ensuring the adjacent structure is not undermined.

The appended piling specification outlines the required piling methodology to be followed to mitigate the impact of the piling works on the adjacent structures.

Trial pits have been undertaken to establish the size and extent of the adjacent building foundations. The adjacent building foundations have been confirmed as piled. Therefore, the proposed continuous flight auger (CFA) piles specified for the development are not deemed to cause risk of instability to the existing building.

CFA piles have been specified to mitigate the extent of vibration and the piles themselves have been offset from the face of the adjacent structure to further mitigate. The piling contractor construction methodology includes the noise and vibration limits worked to while installing the piles.

Yours faithfully

For and on behalf of
APEX CONSULTING ENGINEERS

Rebecca Neal MEng
Senior Structural Engineer

1305-ACE-ZZ-XX-SP-S-1001 – PILING SPECIFICATION

E24-16524 – 29-33 The Hale Tottenham London N17 9LZ – Green Piling Tender