

Ref. No.: 18035\_Appointment Details

29th July 2019

London Borough of Camden  
2nd Floor, 5 Pancras Square  
c/o Town Hall, Judd Street  
London  
WC1H 9JE

**Chris Christou**  
CEng MStructE  
Director

**Richard Russell**  
CEng MStructE  
Director

Dear Sirs

**140 Highgate Road – 6 New Residential units (Planning Condition No. 20)**

AMA Consulting Engineers have been appointed by the client Space Free LTD to carry out the detailed design of the proposed works at 140 Highgate Road. Our appointment includes for the design and or specification of all the substructure (the structure within the ground) and an overview of the superstructure design (which is a prefabricated timber frame building and prefabricated brick arch panels to the exterior.

The proposed development includes a basement, lower ground and upper ground floor. External ground levels vary across the perimeter of the boundary and a contiguous piled retaining wall will be utilised to provide temporary and permanent lateral restraint against external forces. The maximum depth of the lower floor (basement floor) is some 7m below external level and the maximum depth of the lower ground floor is some 3m below external ground level.

AMA have prepared a suggested method of construction and sequencing which will be adhered to during construction. In the temporary case the specialist design retaining wall will be propped by a whaling beam and raking props just above and below the lower ground floor slab level. In the permanent case the lower ground floor slab will prop the piled wall.

AMA will work closely with the piling contractor to ensure that the piles are designed for the correct cantilever lengths in both the temporary and permanent cases.

AMA have already had an AIP agreed with Camden highways for the permanent works proposals.

The permanent works proposals are to form a contiguous piled retaining wall to the perimeter of the site which will be propped in the temporary case by raking props and the lower ground floor slab in the permanent case.

AMA will carry out site visits during the construction of the substructure at a frequency of at least 1 visit every 2 weeks or at key stages as follows:

1. Demolition of existing structures
2. Installation of propping
3. Installation of imported fill for piling rig
4. Piling
5. Installation of capping beam reinforcement
6. Relocation of propping
7. Installation of reinforcement and construction of the substructure

The purpose of the visits will be to inspect the works and check that they are generally constructed in line with our proposals and the specialist designer proposals.

AMA will be on hand resourcing the project throughout the construction phase to either visit site at short notice or to answer any general questions the contractor may have regarding the structure.

Chris Christou is a director of AMA Consulting Engineers and is a chartered member of the Institution of Structural Engineers (Membership No. 021116943) with over 15 years' experience. Chris Christou will be the main point of call for the project throughout the design and construction stage.

Yours faithfully

For AMA Consulting Engineers