

1st August 2016
Our Ref: G640/HTS/DOA/VAR.001

HEYNE TILLETTS STEEL
4 Pear Tree Court
175 - 177 Borough High Street
London
EC1R 0DS

For the Attention of Najib Sheeka

Dear Najib,

Pears Building – Variation 001, Appointment as Basement Engineer

Please note the enclosed description of the variation to your deed of appointment. Please can you duly return a signed and dated copy of this instruction to confirm acceptance.

This variation applies to the deed of appointment made between Willmott Dixon Construction Limited (Principal Contractor) and Heyne Tillett Steel Ltd (Consultant) dated 19.01.16.

This variation shall be upon the same terms and conditions as per the agreed deed of appointment and this variation is made in accordance with clause(s) 4.7 and 18.2

The variation is to be commenced on 01/06/16 and shall be carried out as per the timescales in the attached programme included in schedule 1.

The fee shall be further broken down as identified in schedule 2.

SCOPE

We confirm the following duties and narrative are included within the scope of services, you should at all times ensure you refer to the S106 Agreement and your duties as the Basement Design Engineer.

To act as the Basement Design Engineer as defined in clause 2.16 in the agreement dated 25/04/2016 between:

- The Royal Free London NHS Foundation Trust,
- The Trustees of the Royal Free Hampstead Charities and
- The Mayor and Burgesses of the London Borough of Camden

This agreement being pursuant to the Section 106 of the Town and Country Planning Act 1990 (as amended) and Section 278 of the Highways Act 1980 and hitherto referred to as the 'S106 Agreement'.

The Basement Design Engineer (BDE) shall:

- Demonstrate their competence and relevant experience of sub-ground construction as befits a scheme of this nature.
- Demonstrate the qualifications which the Engineer holds for works of this nature
- Compile the Detailed Construction Basement Plan including all relevant details as listed in the terms of the S106 Agreement, but is not limited to:



- Provide a report on the design of the permanent structure and identifying measures in place to mitigate its impact on the stability and integrity of the surrounding soil and structures contained upon and within.
- Utilise information provided from any ground movement modelling, soil; sampling, soil testing, groundwater monitoring and condition surveys as undertaken by others and as appointed by the Principal Contractor or the Employer.
- Provide an assessment of the impact of temporary works to be utilised during the construction phase and any mitigation strategies in place. Noting the design and validation of the temporary structures is to be undertaken by the Temporary Works Engineer as appointed by the Principal Contractor.
- Provide a set of drawings, in collaboration with the Principal Contractor, of the Basement Construction Sequence reflecting the information gathered above and identifying any special measures incorporated into the design.
- Attendance at all meetings, which may reasonably be required; to gather information for the production of the Detailed Basement Construction Plan (DBCP).
- Attendance on site, during the works, to act in a monitoring role and report to the Principal Contractor and Employer on compliance with the agreed DBCP.

The BDE shall confirm in writing to the Employer the following:

- Reasonable endeavours have been undertaken to gather detailed structural appraisals of the neighbouring properties.
- The Principal Contractor has provided a detailed Method Statement to ensure safety and stability of the Neighbouring Properties, including all temporary work, monitoring equipment and has produced a contingency plan should any nuisance be caused by the works.
- The design of the permanent works has included the use of ground modelling to assess impact of ground water and structural conditions of the Neighbouring Properties.
- The Temporary Works Engineer has undertaken suitable calculation and assessment of the site conditions in the preparation of their design.
- The BDE is appointed for the full duration of the works and will check for compliance with the agreed drawings, method statement contained within the DBCP.
- The BDE will ensure the installation of groundwater monitoring equipment and its use during the works.
- The Contractor has in place and manages through the entire construction period a construction traffic management plan.

Submission of Information for checking and approval:

The BDE shall also submit all information as may be reasonably requested to the Certifying Engineer that shall be appointed by the Employer to undertake checks on the DBCP.

This shall be undertaken before submission of the final DBCP to the Local Authority and be approved prior to the commencement of any works on the site.

Attendance on site:

The BDE shall attend site to monitor and provide reports upon the adherence to the approved DBCP. Such reports shall be submitted to the Principal Contractor, Employer and Independent Certifying Engineer on a monthly basis.

Yours Sincerely,



Richard Davidson
Preconstruction Manager
Willmott Dixon Construction Ltd