

30 April 2018

Our ref: J13113 B/JF/02

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Dear Justin

Re: LSHTM, 15-17 TAVISTOCK PLACE, LONDON

As you are aware we have carried out a desk study and ground investigation along with a ground movement assessment for the above site with regard to the proposed redevelopment to include the construction of a new four-storey building with a single level basement over the central part of the site. The basement will extend to roughly 6.0 m below the existing ground level, to be used for plant.

We are currently undertaking a programme of groundwater monitoring of our previously installed standpipes to obtain further information on seasonal fluctuations. Please find below a table of all of the groundwater monitoring results that we hold for the site, including our most recent visits from 2018.

Date	Depth to water (m)				
	BH1	BH3	BH4a	BH14	BH15
07/06/13	5.59	4.41	3.11	Not installed	Not installed
16/07/13	2.84	4.31	2.60	Not installed	Not installed
18/11/15	Not accessible	4.12	1.70	Not installed	Not installed
26/01/18	3.07	4.48	1.79	Not installed	Not installed
06/02/18	2.72	4.24	2.16	Not installed	Not installed
27/03/18	2.78	4.25	2.48	4.64	2.87
23/04/18	4.20	2.68	2.40	4.10	2.90

We propose to continue groundwater monitoring during and after construction of the basement. We understand that demolition will take place early in 2019 and we will continue to monitor at monthly intervals. When the retaining walls are being installed we will increase the monitoring visits to fortnightly and will continue for two months after the basement has been excavated. After this time we will carry out a review of the findings to determine whether monitoring needs to be continued.

During construction, at least two of the five standpipes will no longer be in service as the pipes fall within the footprint of the development. However, we have requested that the contractor protects the standpipes that will fall outside of the basement footprint for the duration of the project.

We will be reporting our groundwater readings at quarterly intervals by email. If there is a significant change in groundwater levels over the period of monitoring we will produce a letter report.

Yours sincerely
GEOTECHNICAL & ENVIRONMENTAL ASSOCIATES

Juliet Fuller