

2 March 2017

Planning ref: 2016/6319/P
Our ref J15302/ML/Letter1



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Mr James Souter
Elliott Wood
46-48 Foley Street
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Dear James

Re: THE HALL SCHOOL, 23 CROSSFIED STREET, LONDON NW3 4NU

We have now reviewed the comments made within the Basement Impact Assessment (BIA) Audit by Campbell Reith (ref: 12466-38, dated January 17) and this letter accompanies our updated report (ref: J15302 issue 2, dated March 2017) in providing our formal responses to each of the points raised and highlights the relevant sections of our updated report.

4.3 and 4.7 Contiguous Bored Pile Wall Pile Length / Embedment Depth

We confirm that our ground movement analysis has modelled a contiguous bored piled wall with an embedment depth of 10 m below excavation, a total pile length of 18 m. Our report states this in Section 11.1.1 on page 28.

4.4 Map Extracts from the ARUP Report

We have now included the relevant map extracts from the ARUP Report in the appendix of our report, indicating the location of the site, to confirm the answers to the screening questions included in Section 3 of our report and page 8.

4.7 X-Disp Analysis

The full input parameters and output results from our X-Disp analysis are now included within our report. As our original analysis was considered to be overly conservative, such that relatively high vertical and horizontal movements were predicted, we have carried out a revised analysis to show more accurately the movements associated with the bored pile wall sections and the underpinning sections of proposed basement scheme. This is covered in Part 3 of our report, from page 27 onwards. Damage categories for two main elevations of the retained school building have also been included in this analysis. The appended contour plots show the movements associated with the underpinning and piled wall separately, to illustrate how the previous analysis produced conservative movements where the two wall types interacted.

4.8 P-Disp Analysis

Full input parameters and output results from the P-Disp analysis are now included in the report appendix.

I trust that the above satisfies your current requirements, but should you need anything further then do not hesitate to contact us.

Yours sincerely
GEOTECHNICAL & ENVIRONMENTAL ASSOCIATES

A handwritten signature in black ink, appearing to read 'M. Legg', with a long horizontal flourish extending to the right.

Matt Legg