



## ABBEEY PYNFORD

Our Ref: PNJ/FA17725/L2/nh

Your Ref:

Date: 27 February 2012

Vabel Ltd  
112 Boundary Road  
London  
NW8 0RH

For the attention of: Mr Daniel Baliti

Abbey Pynford Foundation Systems Ltd  
Second Floor, Hille House  
132 St. Albans Road  
Watford  
Hertfordshire  
WD24 4AQ

Tel: 0870 085 8400 (*National rates apply*)  
Fax: 0870 085 8401

Registered in England No. 3575157

DD Tel: 0870 085 8422  
E-mail: philjones@abbeypynford.co.uk

By Post and email:  
daniel.baliti@vabel.co.uk

Dear Sirs

**Re: FA17725 – 16a Lyndhurst Gardens, London, NW3**

Further to today's telephone conversation we confirm that you require additional information with respect to the likely noise, vibration and dust which might be generated by the proposed basement construction works.

Our observations on these subjects are as follows: -

### **Vibration**

Following the demolition of the site by others we intend to drill 450mm diameter augered casting situ piles into the underlying London Clay using a Klemm 709 drilling rig weighing approximately 15 tonnes. This is a relatively small piling rig and the piles will be formed by drilling holes in the clay and subsequently filling with the reinforcement and concrete. There will be no driving of piles. We therefore do not believe that there will be vibration of any significance at all generated by the piling works.

Subsequent to the piling we will excavate the clay within the bored pile wall. This will be carried out using small 360° excavators and again the excavation of clay with a hydraulic excavator is unlikely to cause any vibrations.

### **Noise**

Clearly significant construction work can not be carried out without making any noise at all however all the equipment of whatever sort which we intend to employ on this site will comply with current noise regulations and the majority of the excavation will take place in the "hole" which will tend to deaden any noise.

### **Dust**

Following the demolition works about which we can make no comment our operations will involve drilling holes in clay, excavating clay and carting the resulting surplus material away from the site plus regular delivery of ready mix concrete. As none of the materials to be handled are in any way dusty it would appear self evident that these operations are unlikely to generate any significant dust.

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We trust the above observations are satisfactory for your present purposes and look forward to receiving your instructions in due course.

Yours faithfully  
for **Abbey Pynford**

**P N Jones BSc, C Eng, MICE  
Business Development Director  
Underpinning Division**