

Date 11/04/2016

Countryside Properties (Bicester) Ltd

By Email

6 Devonshire Square
London
EC2M 4YE

Dear Sir/Madam,

www.wsp-pb.co.uk

Subject: Kingsmere Local Centre – Revision to height of fence along northern boundary

Introduction

A reserved matters application (reference number 06/00967/OUT) was submitted to Cherwell District Council (CDC) for the provision of a new Local Centre, including a community centre, youth centre, nursery, convenience store, retail space and associated infrastructure and landscaping.

To support the reserved matters application, a Noise Impact Assessment Report (dated 11/11/2015) was submitted outlining the potential impacts of the development on nearby sensitive receptors and any mitigation measures required.

Following the application, a number of comments were made by CDC (Ref. 15/02103/REM, dated 14th January 2016). These comments were responded to in a letter written by WSP | Parsons Brinckerhoff dated 10th February 2016, which should be read in conjunction with this letter.

Within the February letter, a 3m high acoustic fence was proposed to minimise noise arising from any deliveries to the store and achieve target internal (with windows open) and external noise criteria at the nearest sensitive receptors. For ease of reference, the noise from delivery lorries entering and moving around the service yard was predicted to be 52 dB $L_{Aeq,16h}$ during the day.

With a view to minimising the visual impact of the fence, we have assessed the attenuation afforded by a 2m high acoustic fence along the northern boundary of the service yard.

The external noise criterion of 55 dB $L_{Aeq,16h}$ is already anticipated to be achieved and with the inclusion of a 2m high acoustic fence, it is anticipated that sufficient attenuation would be provided to achieve the internal noise criterion of 35 dB $L_{Aeq,16h}$ ¹ for habitable rooms on the ground floor when windows are open².

I hope the above is clear. Please let me know if you have any queries.

Yours sincerely,

Sarah Whydle
Senior Acoustic Consultant

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¹ BS 8233:2014 *Guidance on sound insulation and noise reduction for buildings* includes internal ambient noise levels including a guideline value of 35 dB $L_{Aeq,16h}$ for living rooms and bedrooms during the day.

² BS 8233:2014 states that 'if partially open windows are relied upon for background ventilation, the insulation would be reduced to approximately 15 dB.