



Our ref: Q0244.2
12 June 2014

Ben Davies
Business Development Manager
Go Ape Ltd
(sent by email)

Dear Ben

Re: Proposed Go Ape development, Alexandra Palace – outline noise impact assessment

Thanks for the information sent by email. I have the following comments on the potential noise impact from the use of the proposed course at the nearest residences.

Background information

A noise survey of the existing Go Ape site at Delamere Forest has been undertaken to establish typical noise levels from the use of the course. In general, low levels of noise levels are generated. The only apparatus generating significant noise levels was confirmed as the zip lines, from the running noise of the zip wire mechanism and from participants' voices.

Predicted noise levels - proposed Alexandra Park development

I have reviewed the proposed layout drawings. Using the above noise source data, I have undertaken an initial noise prediction from the 4 no. proposed zip lines to the nearest residences in Vallange Road to the west and Alexandra Park Road to the north. These residences range from approximately 80-176m (Vallange Road) and 123-139m (Alexandra Park Road) from the nearest part of the zip wire runs.

A worst-case noise prediction has been carried out assuming noise attenuation over these shortest distances to the zip wires and assuming a pessimistically high usage rate of 60 people/hour for each zip line (i.e. 240 per hour in total). It is also assumed that the zip lines will be in simultaneous use. In reality, noise levels are likely to be lower than predicted, as distances to residences will be greater to the more distant stretches of the zip wire runs and usage rates are expected to be significantly lower.

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The cumulative L_{Aeq} noise level is predicted at 48 dB at the Vallange Road residences and 47 dB at the Alexandra Park Road residences. This is therefore better than the recommended range of 50-55 dB for residential gardens provided by BS8233. In addition, it is expected that given the suburban location, there will be no increase in the pre-existing ambient noise level at the residences, or that any increase will be insignificant and at an imperceptible level, as a result of the use of the proposed development. However, it is recommended that this be confirmed by further work to establish existing noise levels and that a further more detailed noise prediction assessment be undertaken.

Note: The L_{Aeq} noise level is the 'equivalent continuous noise level', loosely referred to as the 'average' noise level.

Conclusion

It is therefore concluded at this outline stage that there will be no adverse noise impact to the nearest residents.

I hope this information is helpful.

Yours sincerely



Duncan Newhall
DKN Acoustics