

TECHNICAL NOTE

Job Name: Great Haddon
Job No: 15188-503
Note No: ESP N28.1.13
Date: 28 January 2013
Prepared By: Angela Lamacraft
Subject: **Response to Queries from the Principal Development Management Officer
Peterborough City Council**

Item	Subject
1.	<p>Introduction</p> <p>In an email dated 19 July 2011 Vicky Hurrell (Principal Development Management Officer Peterborough City Council (PCC)) had the following queries regarding the noise and vibration ES Chapter for Great Haddon:</p> <ul style="list-style-type: none"> The updated ES includes the 2026 Do Something Daytime Noise Contour Plan but not one for Night time. Please can you provide/confirm why this is not relevant, Our Regulation 19 request noted that it was unclear what NEC noise categories the different areas of development fall within and asked for clarification in order to confirm that no development was proposed within NEC C or even D. This does not appear to have been done as we had intended. Please can you amend the key to the drawings in respect of 2026 Do Something Daytime and Night time Contour Plans so that the NECs are clearly shown and provide the drawings, We will need to review what impact if any the additional traffic along it would have upon the amenity of the neighbouring residents. This is as we did for the employment area to address a number of the objections received and will be an issue we will have to cover in our Committee report in due course. <p>This Technical Note address these queries.</p>
2.	<p>Night-Time Noise Contours</p> <p>The omission of night-time noise contour plans was an oversight; figures 1 and 2 provide the daytime and night-time contours for baseline and 2026 with development as Planning Policy Guidance 24 'Planning and Noise' (PPG 24) Noise Exposure Categories (NECs) – see section 3 below.</p>

DOCUMENT ISSUE RECORD

Technical Note No	Rev	Date	Prepared	Checked	Reviewed (Discipline Lead)	Approved (Project Director)
Job No/Brief/TN001	-	27.06.12				
Job No/Brief/TN001	A	07.08.12				

Peter Brett Associates LLP disclaims any responsibility to the Client and others in respect of any matters outside the scope of this report. This report has been prepared with reasonable skill, care and diligence within the terms of the Contract with the Client and generally in accordance with the appropriate ACE Agreement and taking account of the manpower, resources, investigations and testing devoted to it by agreement with the Client. This report is confidential to the Client and Peter Brett Associates LLP accepts no responsibility of whatsoever nature to third parties to whom this report or any part thereof is made known. Any such party relies upon the report at their own risk.

© Peter Brett Associates LLP 2013

Peter Brett Associates LLP Caversham Bridge House, Waterman Place, Reading, Berkshire RG1 8DN

T: +44 (0)118 950 0761 F: +44 (0)118 959 7498 E: reading@peterbrett.com



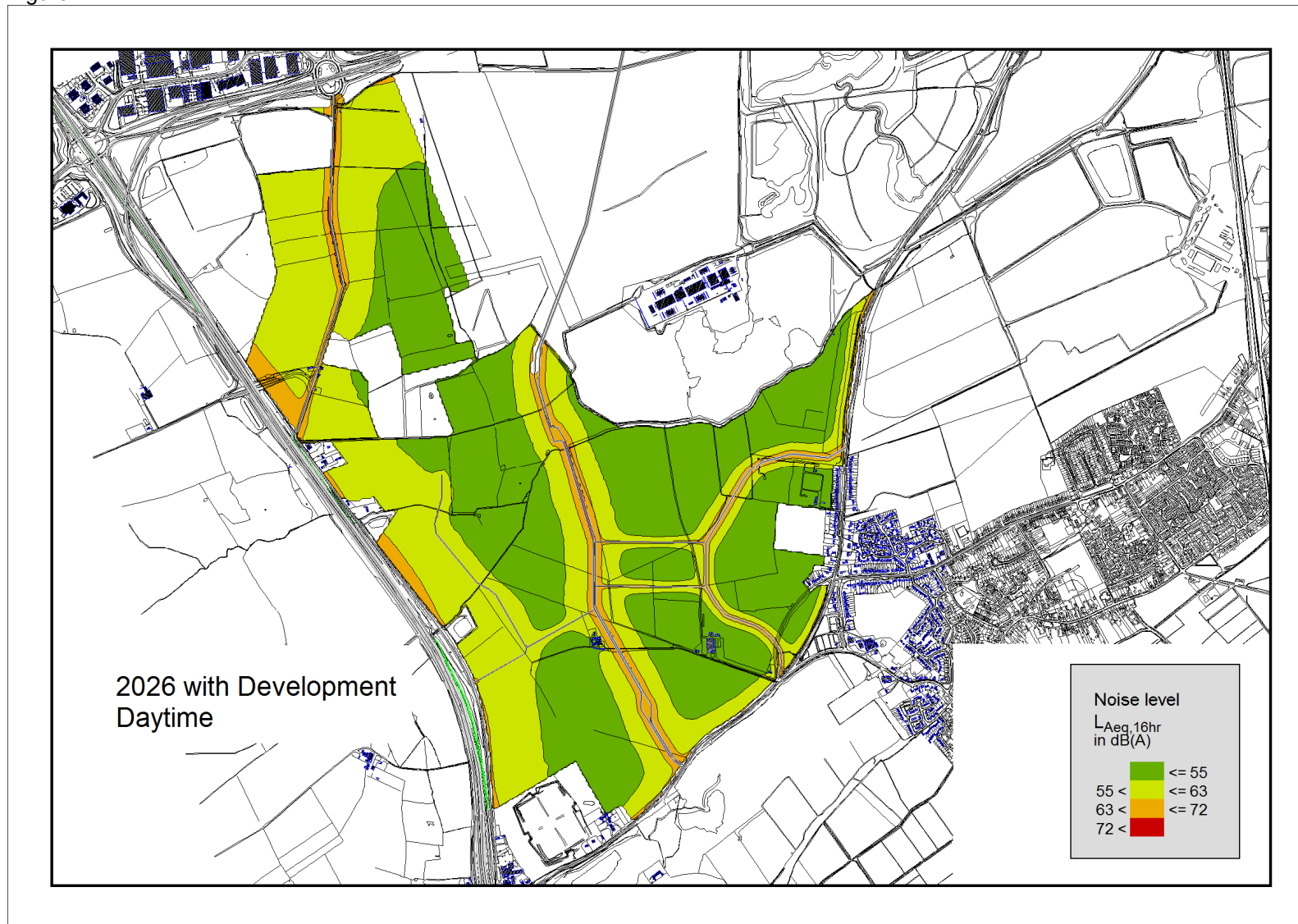
TECHNICAL NOTE

Item	Subject
3.	<p>Contours as NECs</p> <p>PPG 24 implies that the NECs can only be used for 'noise levels measured on an open site at the position of the proposed dwellings' and not, therefore, for future noise levels (which are predicted, not measured). However, figures 1 and 2 provide the 2026 with development day and night-time noise levels in the NECs for clarity.</p> <p>By comparison with the David Lock Associates drawing reference pst021-dfp-01 revision H dated 11/09/2008 it can be seen that a small strip of land on the south west of the proposed residential area R9 will fall within NEC C at night. A maximum LAeq,8h of xx dB is predicted in this area, which can be mitigated with glazing with a specification of 12/16/16 (glass/cavity width/glass (mm)) is required to meet the BS 8233 criteria. Consideration of ventilation would be required, particularly on façades exposed to the noise sources (roads), to ensure that the windows could remain closed whilst maintaining adequate levels of ventilation. Acoustically attenuated ventilation, such as trickle vents, may be appropriate.</p> <p>An alternative to this would be to consider single aspect design, so that the façades exposed to the noise sources contain rooms that are not noise sensitive (bathrooms, kitchens and stairs) and noise-sensitive rooms (bedrooms and living rooms) are located so that they do not directly face the road.</p> <p>There are no proposed residential areas in NEC D.</p>
4.	<p>Great North Road</p> <p>Figures 1 and 2 include the traffic flows for Great North Road. The inclusion of these flows do not significantly increase the noise levels in this area due to the high noise level due to traffic on the A1(M).</p>



TECHNICAL NOTE

Figure 1



TECHNICAL NOTE

Figure 2

