

Proposed Elevations
Scale 1:100 @ A0
0 1000 2000 3000 4000 5000mm
SCALE 1:100

2636NEW-104 - Straight Mile, Lay 1, 17.0 DWG & L5.100 Series Planning

Project Name	PROPOSED DEVELOPMENT GRESFORD ROAD LAY 1
Client	ALDI STORES LTD.
Phase	PLANNING
Scale	1:100
Date	MAY 2019
Drawn by	AS
Checked by	GBR
Project No.	2636NEW-104
Project Location	236, GRESFORD ROAD, GRESFORD, CHeshire, CH6 4JH
Project Description	ALDI Foodstore, 236 GRESFORD ROAD, GRESFORD, CHeshire, CH6 4JH
Project Status	PLANNING
Project Contact	ALDI STORES LTD, 236 GRESFORD ROAD, GRESFORD, CHeshire, CH6 4JH
Project Architect	ARCHITECT



APPENDIX C

Email correspondence with Environmental Health Officer

From: [Nick Minshall](#)
To: [Rob Kirkaldy](#)
Subject: RE: Proposed Aldi Store in Llay, Wrexham - Planning Noise Impact Assessment
Date: 25 February 2019 16:43:00

Hello Rob

I confirm that the proposed methodology for the noise assessment is acceptable.

Regards Nick

From: Rob Kirkaldy
Sent: 25 February 2019 15:59
To: Nick Minshall
Cc: Gabrilatsou, Joanna; Black, Yvette
Subject: Proposed Aldi Store in Llay, Wrexham - Planning Noise Impact Assessment

Hi Nick

Good to speak to you this afternoon. As discussed, please find a summary of our noise impact assessment methodology below. For information, I have attached a site location plan and pre-app comments. Note, planning permission for a residential development to the rear of the site was recently granted, so those proposed dwellings will be included in this assessment.

The potential noise impacts identified at the Aldi Store development are as follows:

- Noise from fixed external mechanical plant, including refrigeration and ventilation equipment.
- Noise from vehicle deliveries to the store.

Background Noise Survey

The proposal is to undertake an unmanned noise measurement survey, with monitoring equipment set up to represent the positions of the nearest affected noise sensitive properties and left to operate for at least 24 hours.

Plant Noise

The impact of noise from mechanical plant at the proposed store will be established by prediction, using sound power data provided by the suppliers of the mechanical services equipment. The predictions will be carried out using a computer noise model which follows the procedures included in ISO 9613-1:1993 Acoustics – Attenuation of sound during propagation outdoors. The calculated mechanical plant noise contribution will then be compared with the measured background noise data for the relevant periods, in order to provide an assessment in accordance with BS 4142:2014 Methods for rating and assessing industrial and commercial sound. Predicted plant noise levels will also be compared with the guideline absolute noise levels listed in Guidelines for Community Noise – World Health Organization, 1999 (WHO).

I understand you have a standard planning condition which requires plant rating levels to not exceed 5dB above the representative background LA90 level, in accordance with BS 4142:2014.

Delivery Noise

The impact of the noise associated with deliveries to the proposed store will also be established by prediction. The prediction will utilise delivery noise levels previously measured by Spectrum at a number of existing Aldi stores in the North West region. The prediction will again be made using a computer noise model to determine the contribution at the nearest residential locations to the site. The calculated delivery noise contribution will then be compared with the measured background noise data for the relevant period in order to provide an assessment in accordance with BS 4142:2014 Methods for rating and assessing industrial and commercial sound. Predicted delivery noise levels will also be compared with the guideline absolute noise levels listed in Guidelines for Community Noise – World Health Organization, 1999 (WHO).

I understand there are no standard planning conditions relating to delivery noise levels. Having attached a site location plan, are you able to provide some guidance on the target BS 4142:2014 assessment level?

Report

The report will provide the results of the background noise measurement survey, as well as both mechanical plant and delivery noise assessments. The noise impact assessment report will also include comments, as necessary, on any required mitigating measures to achieve reasonable noise limit objectives.

If you can confirm the above is acceptable, it would be much appreciated.

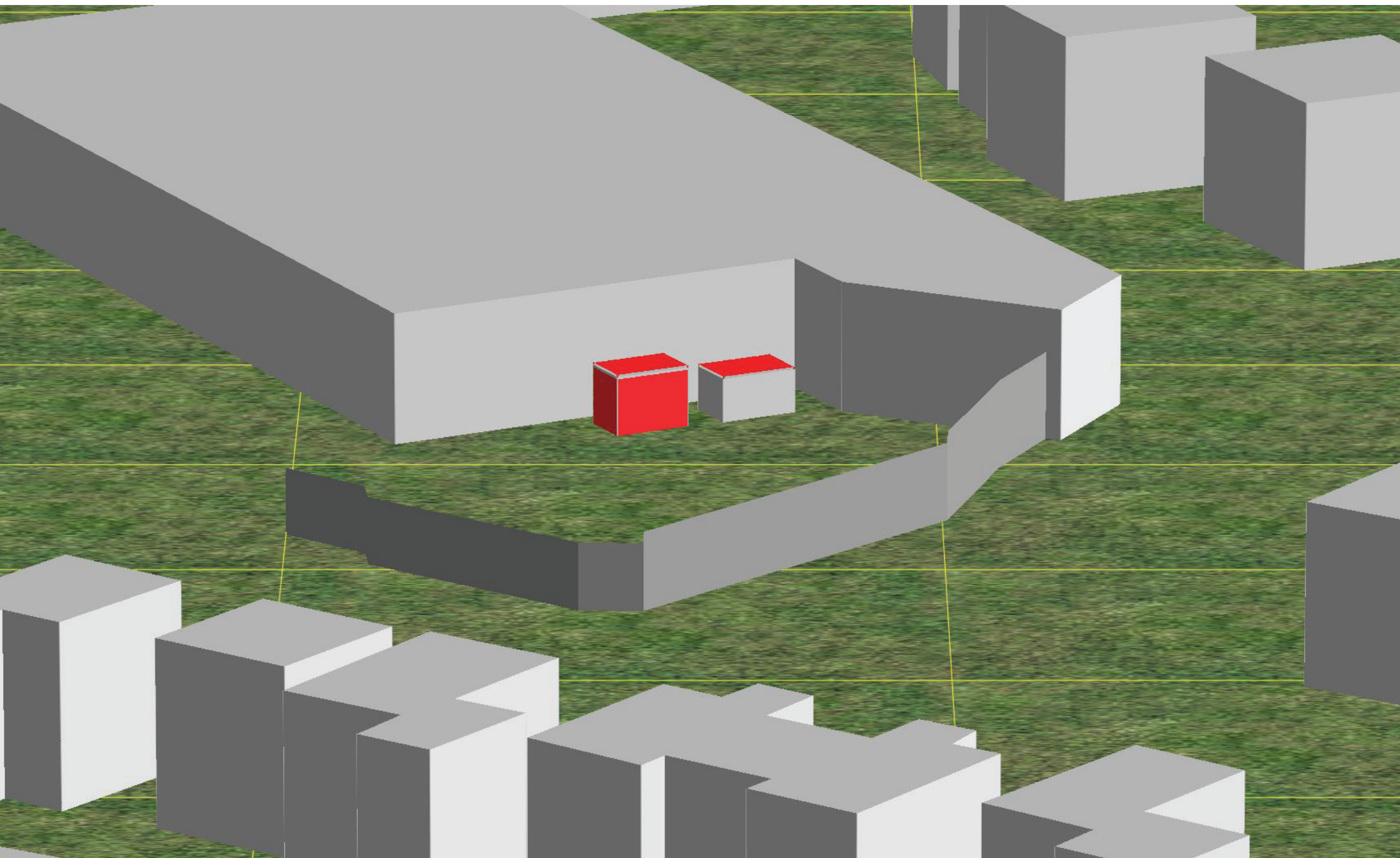
Kind regards

Rob Kirkaldy
Senior Consultant

Spectrum Acoustic Consultants Ltd

APPENDIX D

Results of the noise prediction model relating to mechanical plant

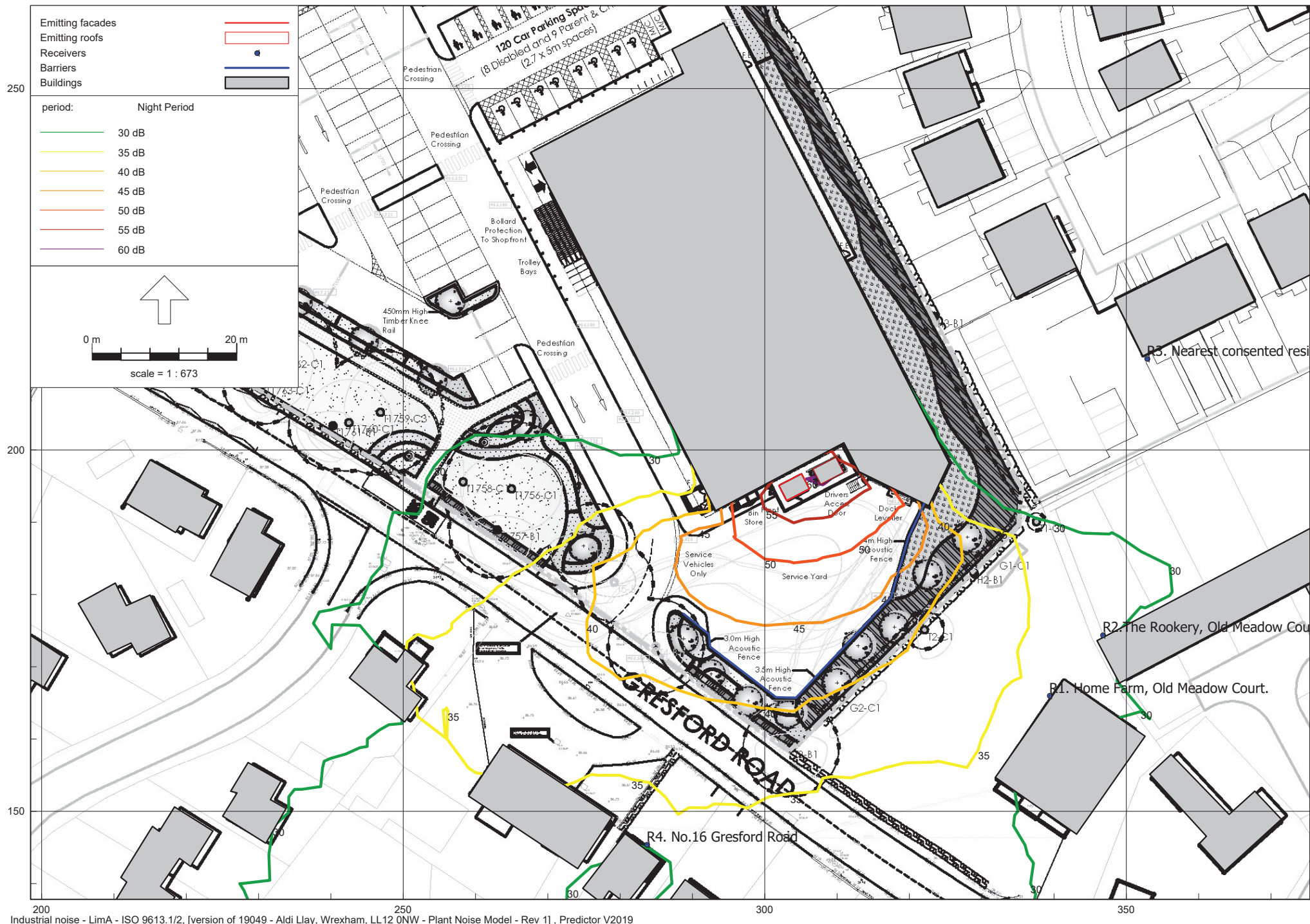


Aldi Llay, Wrexham
Predicted Plant Noise Levels

Report: Table of Results
Model: Plant Noise Model - Rev 1
LAeq per octave: total results for receivers
Group: (main group)
Group Reduction: No

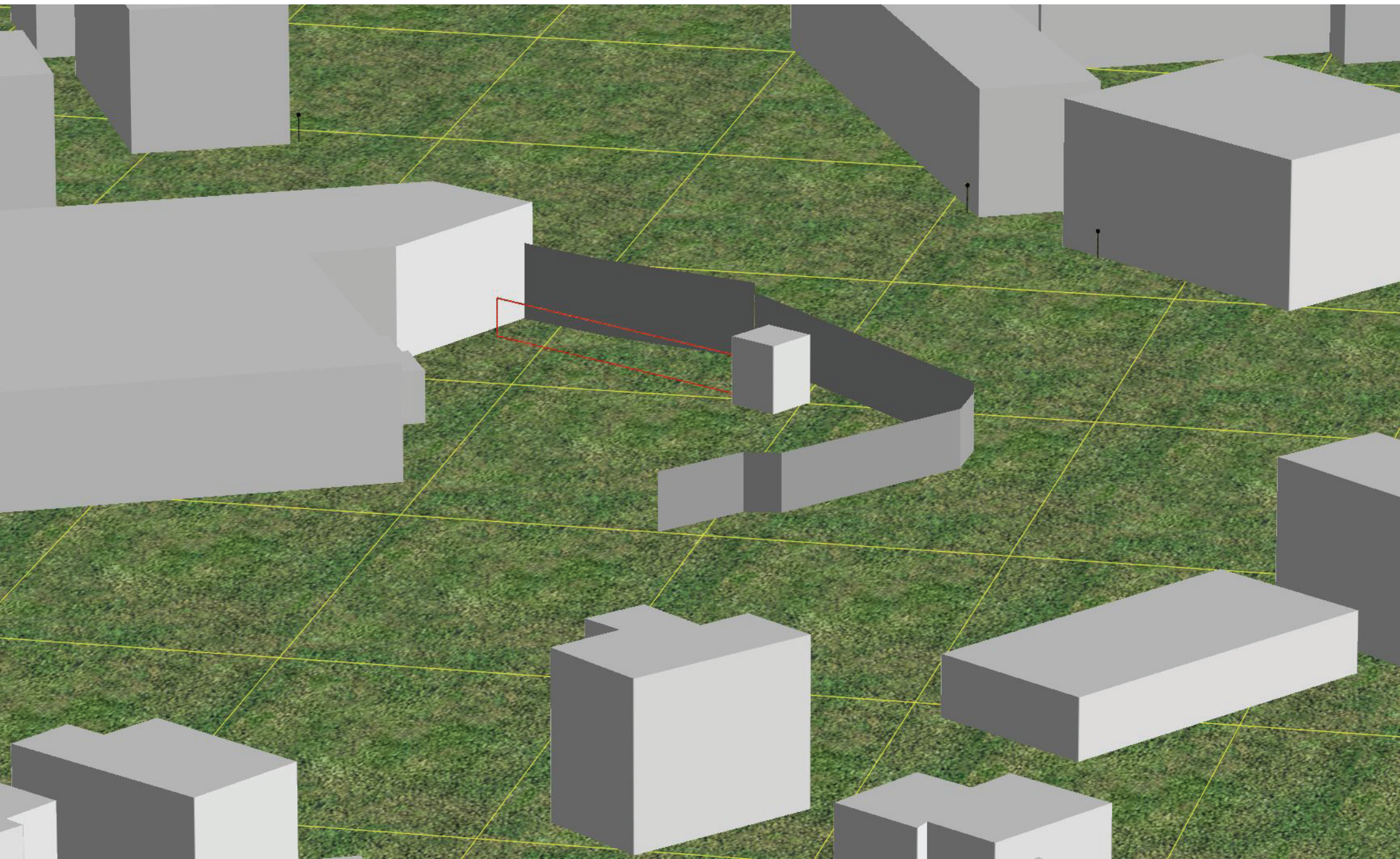
Name		Height	Night								
Receiver	Description		Total	63	125	250	500	1000	2000	4000	8000
_A	R1. Home Farm, Old Meadow Court.	1.50	32	20	26	24	24	25	19	9	--
_A	R2.The Rookery, Old Meadow Court.	1.50	31	20	26	23	23	24	20	11	--
_A	R3. Nearest consented residential property.	1.50	25	15	20	16	17	17	10	--	--
_A	R4. No.16 Gresford Road	1.50	32	19	26	24	25	26	20	11	--

All shown dB values are A-weighted



A P P E N D I X E

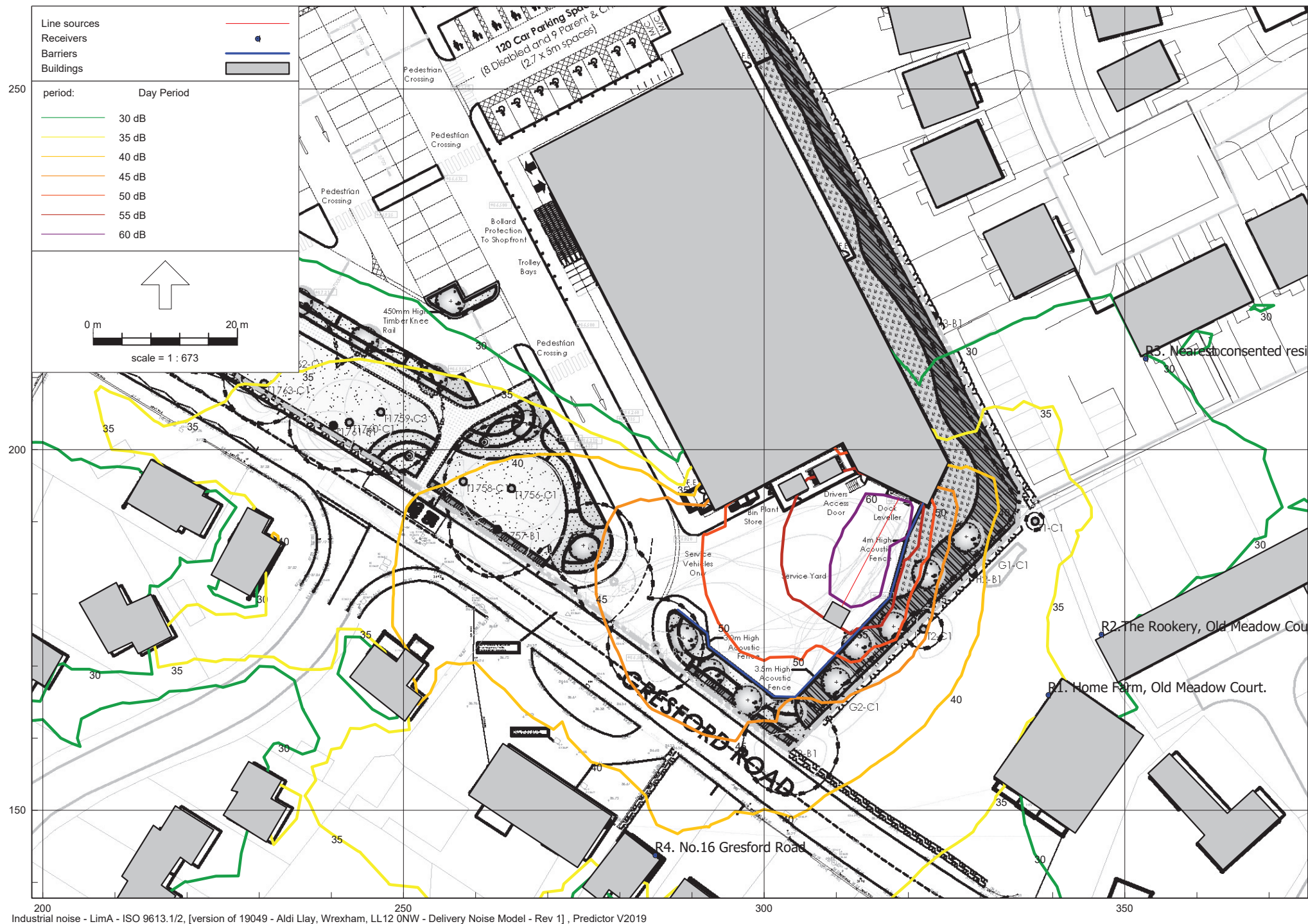
Results of the noise prediction model relating to deliveries



Report: Table of Results
 Model: Delivery Noise Model - Rev 1
 LAeq per octave: total results for receivers
 Group: (main group)
 Group Reduction: No

Name		Day									
Receiver	Description	Height	Total	63	125	250	500	1000	2000	4000	8000
_A	R1. Home Farm, Old Meadow Court.	1.50	35	23	29	23	26	30	27	16	3
_A	R2.The Rookery, Old Meadow Court.	1.50	33	22	28	22	23	28	25	13	--
_A	R3. Nearest consented residential property.	1.50	29	17	23	17	20	23	21	8	--
_A	R4. No.16 Gresford Road	1.50	35	21	27	22	26	30	29	16	--

All shown dB values are A-weighted



Head Office

Spectrum Acoustic Consultants Ltd
27-29 High Street
Biggleswade
Bedfordshire
SG18 0JE
UNITED KINGDOM

 +44 (0)1767 318871

 enquiries@spectrumacoustic.com

 www.spectrumacoustic.com