IMP8102

ENVIRONMENTAL NOISE IMPACT ASSESSMENT

PADEL TENNIS COURTS & MOT BAY

British Standard 4142:2014+A1:2019 & Sports England

Client:	**Hayling Padel Limited**
Site:	**Mill Rythe Lane, Hayling Island, Hampshire, PO11 0QG**
Survey Date:	**16th – 22nd April 2026**
Report by:	**Mr. B. J. Scrivener MIOA.**

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Version History

Version	Date	Author	Summary of Changes
1.0	May 2026	Mr. B. J. Scrivener MIOA.	Origonal

1 EXECUTIVE SUMMARY

1.1 Instruction

Impact Acoustics Ltd have been instructed to undertake a background noise survey at their existing premises at Mill Rythe Lane, Hayling Island, Hampshire, PO11 0QG to understand the level of impact at nearby properties from the proposed new Padel Tennis Courts and MOT bay.

1.2 Scope of Report

The measurements have been undertaken in accordance with ISO 1996 – Part 2: 2017 to establish if the proposed site has a demonstrable adverse effect in terms of noise that outweigh the benefits of the development. This report aims to establish the following in line with the Sports England 'Design Guidance Note' and BS-4142:2014+A1:2019.:

- Existing background noise levels at the residential façade (L_{A90});
- Noise levels from a Typical Padel Tennis Court (L_{Aeq}) including contours;
- Noise levels from a Typical MOT Bay (L_{Aeq}) including contours;
- Impact on the nearest noise sensitive property,
- Spot receptors within the Brent Geese Area to the south of the proposed sites.
- Mitigation Levels if Required.

1.3 Measured Background Noise Levels

Continuous background noise measurements were undertaken between the 16th – 22nd April 2026 at the Assessment Position 1. The Padel Tennis Court and MOT Bay will operate at different time parameters and therefore the following results have been evaluated for each area.

Locations	Corresponding $L_{Aeq\ 1\ HOUR}$ dB	Lowest $L_{A90\ 1\ HOUR}$ dB	Lowest $L_{Amax\ 1\ HOUR}$ dB
Padel Tennis Courts (07:00 – 21:00)	$L_{Aeq\ 1\ HOUR}$ 50.6 dB	$L_{A90\ 1\ HOUR}$ 41 dB	$L_{Amax\ 1\ HOUR}$ 66.0 dB
MOT Bay (08:00 – 18:00)	$L_{Aeq\ 1\ HOUR}$ 54.4 dB	$L_{A90\ 1\ HOUR}$ 47 dB	N / A

1.4 Padel Tennis Courts Summary of Results & Assessments

The following assessment has been undertaken in accordance with the criteria set out within the Sports England 'Design Guidance Note'.

1.4.1 $L_{Aeq\ t}$ dB Assessment

Location	Sports England Criteria		
	Residential Façade not to exceed 50 dB LAeq,1hour	Residential Gardens not to exceed 50 dB LAeq,1hour	Noise not to exceed existing noise climate. LAeq,1hour 50.6 dB (22:00-23:00)
NSP1	21.8	21.8	21.8
NSP2	27.5	27.5	27.5

Location	Façade Levels	Existing Background	Excess Over Background	Assessment Conclusion
NSP1	$L_{Aeq,\ 1\ Hour}$ 21.8 dB	$L_{A90,\ t}$ 41 dB	-19.2 dB	Low Impact
NSP2	$L_{Aeq,\ 1\ Hour}$ 27.5 dB		-13.5 dB	Low Impact

1.4.2 $L_{Amax\ t}$ dB Assessment

Location	Lowest Recorded $L_{Aeq\ 1\ HOUR}$ dB	Lowest Recorded $L_{Amax\ 1\ HOUR}$ dB	Calculated Façade Levels LAeq dB	Calculated Façade Levels LAmax dB	Assessment Conclusion
NSP1	50.6 dB(A)	66 dB dB(A)	$L_{Aeq,\ 1\ Hour}$ 21.8 dB	$L_{Amax,\ 1\ Hour}$ 37.2 dB	Low Impact

1.5 MOT Bay

1.5.1 Daytime 07:00 – 23:00 Calculated Façade Levels.

Item	Calculation	Clause	Commentary
Specific Noise Level $L_{Aeq,1\ hour}$	33 dB	7	Calculated using ISO 9613:1996[3].
Tonality	+2 dB	8.1	Tonality Characteristic
Intermittent	+3 dB	8.1	Intermittency Characteristic
Rating Level	38 dB	9.1	The acoustic feature correction is added to the specific noise level
Background Noise Level $L_{A90,1\ hour}$	47 dB	8.1	Modal Background Noise Level
Assessment Level	-9 dB	11	The background level is subtracted from the rating level.
Assessment	-9 dB		
Conclusion	The assessment level is 'Low Impact'		

1.5.2 Assessment Conclusion

It can be seen from the above assessments that with the MOT Bay operational, an assessment conclusion of 'Low Impact' could be expected. Therefore, no further remedial works are required.

1.6 Brent Geese Area

It can be seen from the coloured contours, noise levels could be expected to range from 40 dB(A) at the top of the field, down to 25 dB(A) at the lower end of the field. It should be noted the ambient noise levels recorded at the top of the field at measurement position 1 were found to be at their lowest, $L_{Aeq\ 1\ hour}$ 50.6 dB(A). Therefore, the activities from the proposed Padel Tennis Court and MOT Bay will not a detrimental acoustic effect on this area and the risk of noise disturbance to the Geese is 'Low'.

1.7 Conclusions

The operation of the proposed three Padel Courts and MOT bay have been assessed to establish if these will be compliant with the Sports England Criteria. Based on the calculations and assessments made within this report it is the professional opinion of Impact Acoustics Ltd that the proposed padel courts and MOT bay can demonstrate compliance with the National Planning Policy Framework 2024, NPPF & NPSE.

1.8 NPPF 2024

National Planning Policy Framework 2024 suggests that planning permission should be granted unless any adverse impacts of doing so would significantly and demonstrably outweigh the benefits, when assessed against the policies in the framework taken as a whole, or specific policies in the framework indicate the application should be restricted.

2 INTRODUCTION

2.1 Instruction

Impact Acoustics Ltd have been instructed to undertake a background noise survey at their existing premises at Mill Rythe Lane, Hayling Island, Hampshire, PO11 0QG to understand the level of impact at the residential properties from the propose new Padel Tennis Courts and MOT bay.

The purpose of this assessment is to ensure the acoustic protection of noise sensitive premises closest to the proposed Padel Tennis Courts and MOT bay. Noise sensitive premises are not restricted to residential dwellings as offices can be affected by unwanted external noise. However, the residential premises adjacent to the site have been identified as the nearest noise sensitive and therefore all calculations and assessments are to be made to these positions.

2.2 Ambient and Background Measurements

External noise levels are to be recorded over, what has been considered for the site, an average / typical time period in order to assess the daytime noise levels. Levels have been recorded over more than one day in order to ensure the uncertainty of measurement aspects has been satisfied and that the data recorded is representative for the purpose of a robust assessment.

2.3 Sports England 'Design Guidance Note'

The following assessment has been undertaken in accordance with the criteria set out within the Sports England 'Design Guidance Note'.

The following suggested criteria are summarised from this document:-

1. The noise level outside a residential property during the daytime about 1 metre from facades of living spaces should not exceed 50 dB LAeq,1hour.
2. Noise levels in gardens should not exceed 50 dB LAeq,1hour.
3. Noise from the new pitch not to exceed the existing noise climate.

2.4 BS 4142: 2014 +A1: 2019

British Standard 4142: 2014 +A1: 2019 is to be adopted for the basis of this background noise level assessment. A BS 4142: 2014 +A1: 2019 noise assessment will be carried out in order to demonstrate the acoustic impact the proposed diagnostic bay could have on the nearest affected premises and make suitable recommendations in order to demonstrate this will not have a significant and demonstrable adverse impact on the nearest noise sensitive premises in accordance with the National Planning Policy Framework.

2.5 National Planning Policy Framework 2024 & Noise Policy Statement for England 2010

References and evaluations are to be made to the National Planning Policy Framework 2024 (NPPF) and the Noise Policy Statement for England 2010 (NPSE). The purpose of this document is to include all aspects of environmental noise within assessments i.e. environmental noise, neighbour noise and neighbourhood noise. Noise is to be considered alongside other relevant issues relating to the site and should not be considered in isolation, according to the NPSE.

There are several key phrases within the NPSE aims and these are discussed below.

2.6 "Significant adverse" and "adverse"

There are two established concepts from toxicology that are currently being applied to noise impacts, for example, by the World Health Organisation. They are:

2.7 NOEL – No Observed Effect Level

This is the level below which no effect can be detected. In simple terms, below this level, there is no detectable effect on health and quality of life due to the noise.

2.8 LOAEL – Lowest Observed Adverse Effect Level

This is the level above which adverse effects on health and quality of life can be detected.
Extending these concepts for the purpose of this NPSE leads to the concept of a significant observed adverse effect level.

2.9 SOAEL – Significant Observed Adverse Effect Level

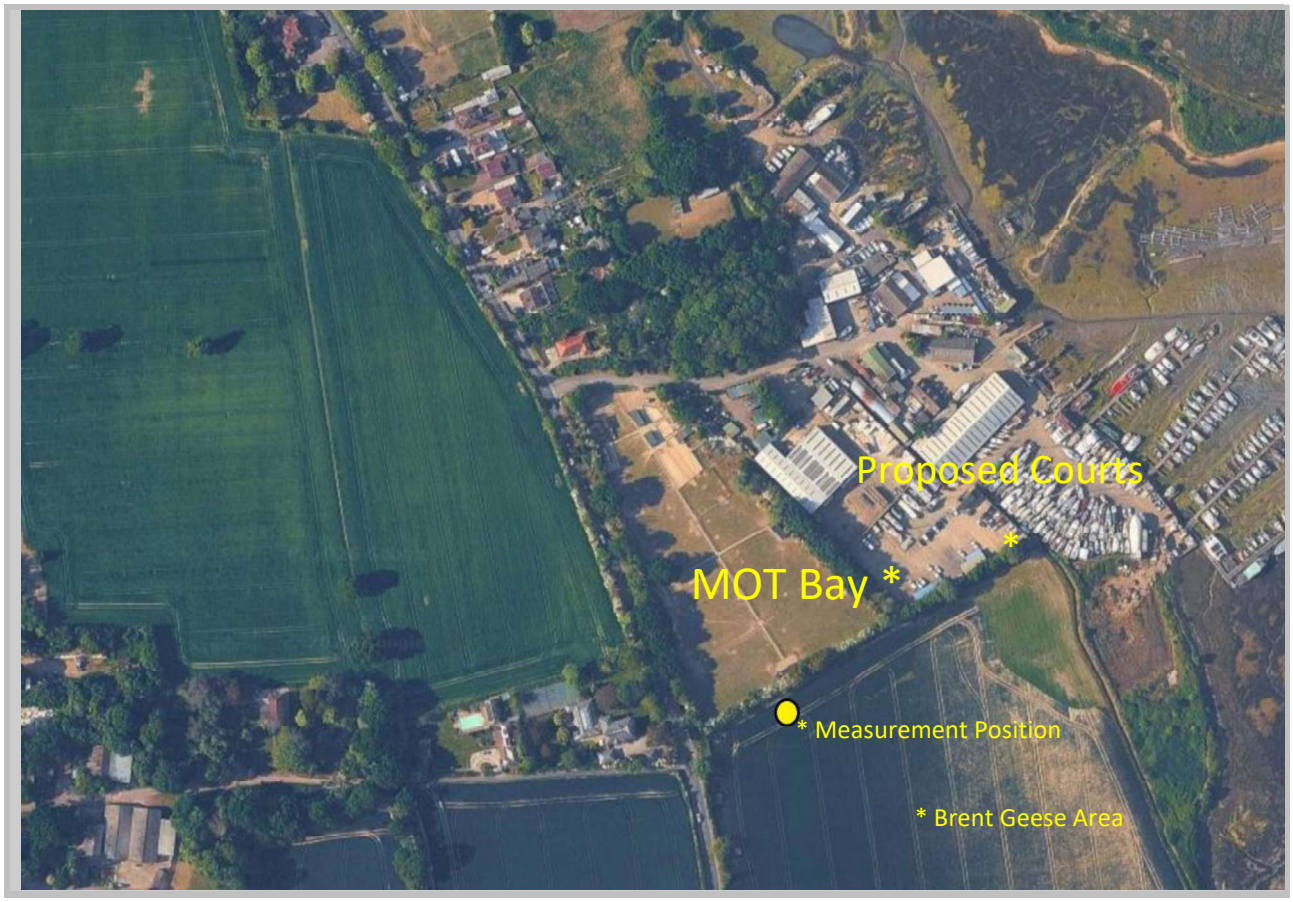
This is the level above which significant adverse effects on health and quality of life occur.

It is not possible to have a single objective noise-based measure that defines SOAEL that is applicable to all sources of noise in all situations. Consequently, the SOAEL is likely to be different for different noise sources, for different receptors and at different times. It is acknowledged that further research is required to increase our understanding of what may constitute a significant adverse impact on health and quality of life from noise. However, not having specific SOAEL values in the NPSE provides the necessary policy flexibility until further evidence and suitable guidance is available.

3 SITE LOCATION

3.1 Position of Site in Wider Area

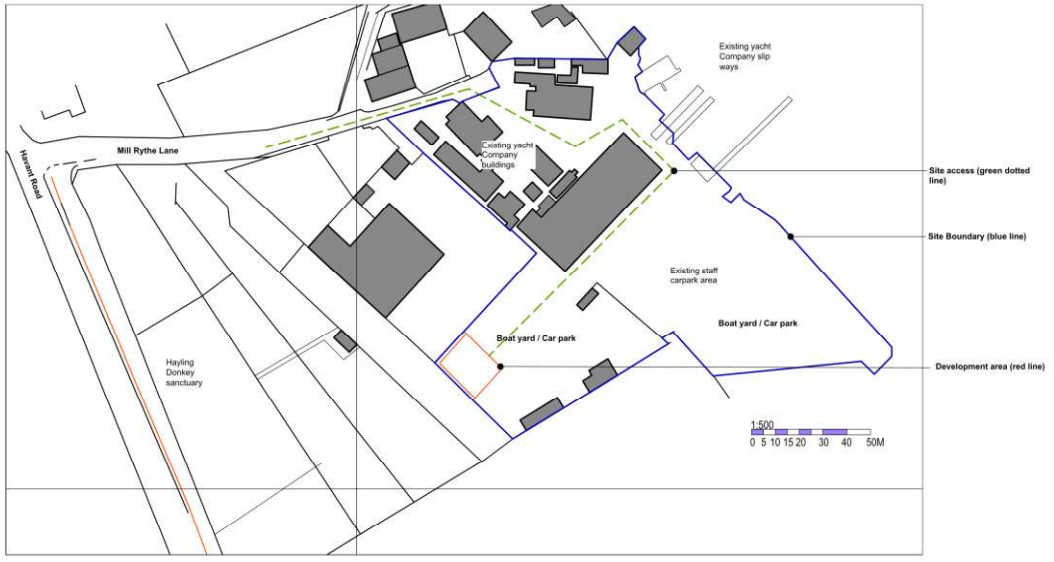
The site is located in Hayling Island.



3.2 Assessment Position and Background Position

Continuous measurements were undertaken at the assessment position between the 16th – 22nd April 2026. Measurement was undertaken at ground floor level at the representative nearest noise sensitive premises / receptor in accordance with ISO1996 part 2: 2017.

3.3 Proposed MOT Bay



1. Existing Site Location plan Scale 1 - 1250 @A3 (Streetwise Maps 100047474)

rev	description	date	by
A	Preliminary for comments	21.10.25	LR

Project : Alterations & Improvements to :
Hayling Yacht Company, Mill Rythe Lane,
Hayling Island, Hampshire. PO11 0QG.
Client: Hayling Automotive Ltd.
Title : Existing site location plan
Drawing : Y9025_A1001 / Rev B

Planning

Architectural Planning Ltd.

Building Surveyors, Designers & Project managers.
1a Nutbourne Road, Sandy Point, Hayling Island, Hants . PO11 9RT .
Telephone : 02392 463994, mobile : 07795 633100

rev	description	date	by
A	Preliminary for comments	21.10.25	LR

1. Proposed Block plan Scale 1 - 500 @A3

Project : Alterations & Improvements to :
Hayling Yacht Company, Mill Rythe Lane,
Hayling Island, Hampshire. PO11 0QG.
Client: Hayling Automotive Ltd.
Title : Proposed Site Block plan
Drawing : Y9025_A1002 / Rev A

Planning

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1a Nutbourne Road, Sandy Point, Hayling Island, Hants . PO11 9RT .
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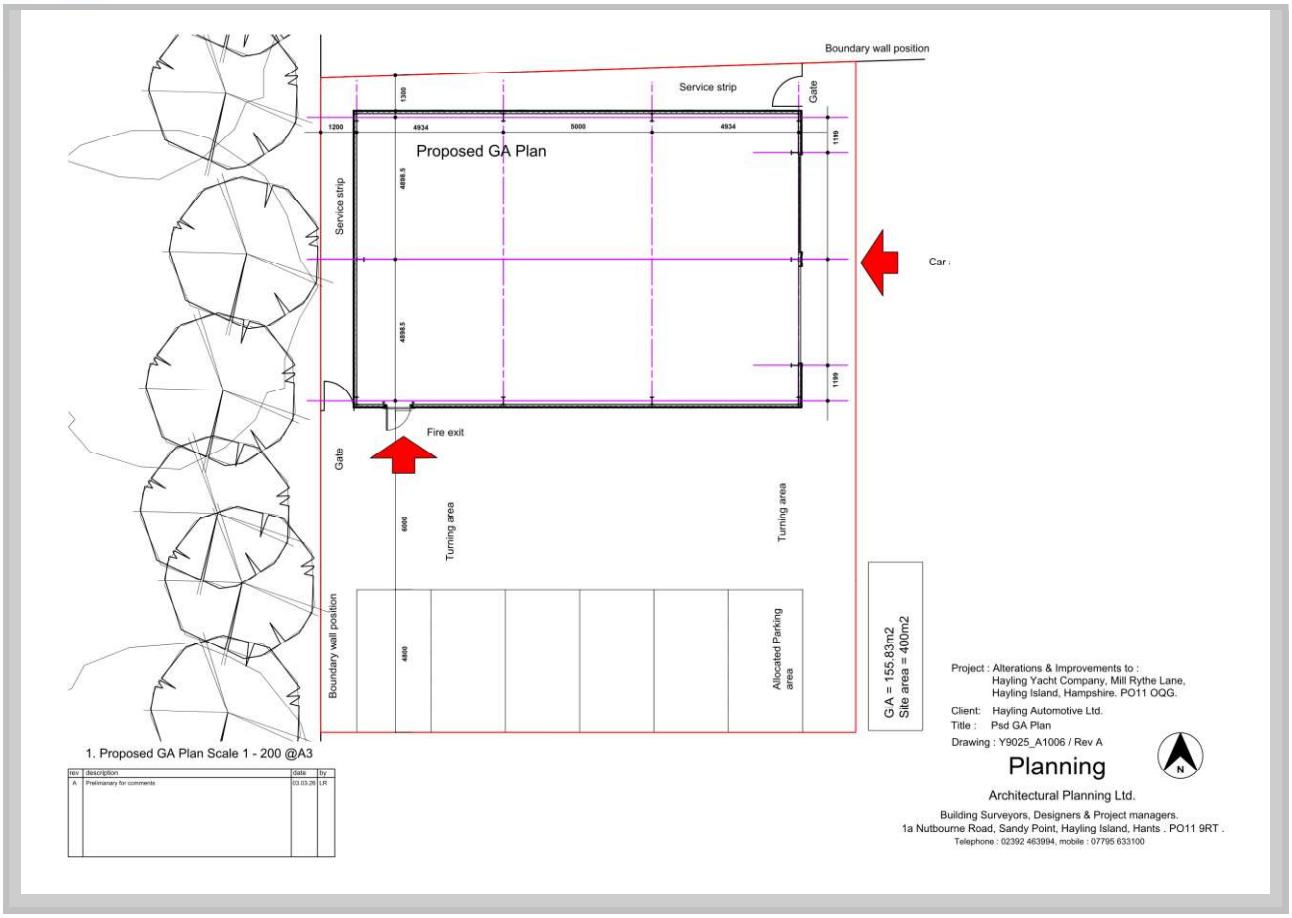
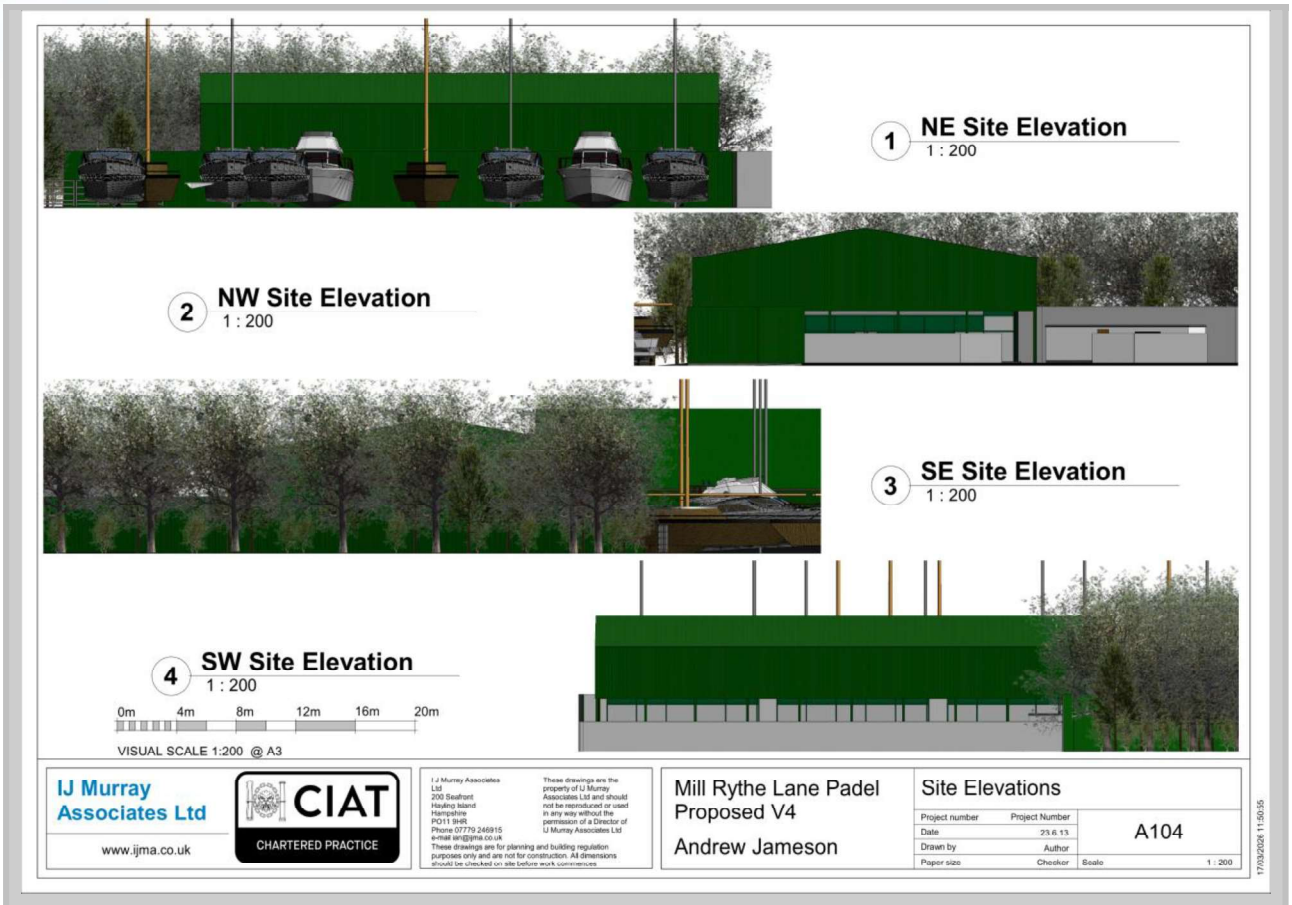
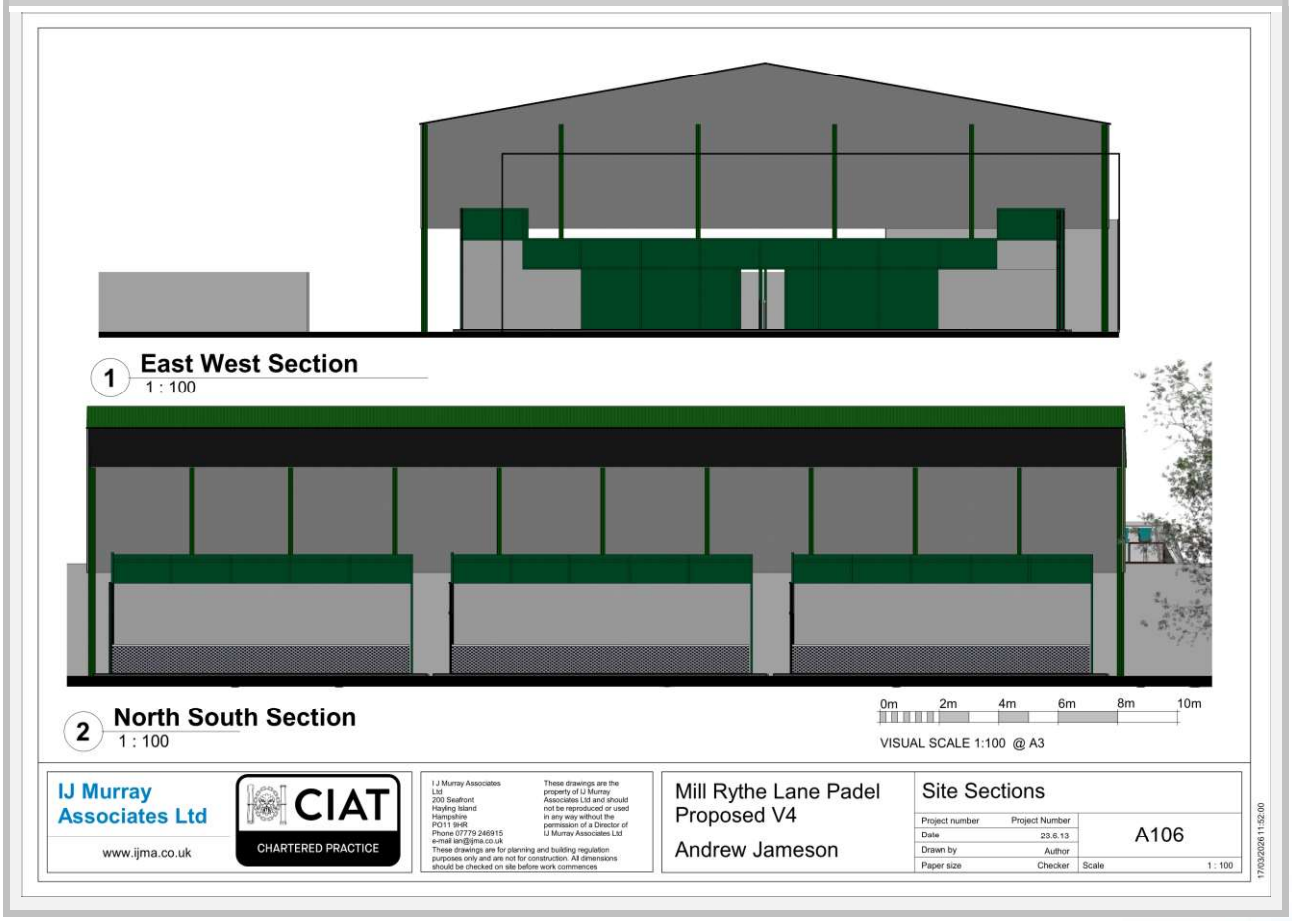

Boundary wall position
Service strip
Gate
Proposed GA Plan
Service strip
Car :
Fire exit
Gate
Turning area
Turning area
Boundary wall position
Allocated Parking area
GA = 155.83m2
Site area = 400m2
1. Proposed GA Plan Scale 1 - 200 @A3
Project : Alterations & Improvements to :
Hayling Yacht Company, Mill Rythe Lane,
Hayling Island, Hampshire. PO11 0QG.
Client: Hayling Automotive Ltd.
Title : Psd GA Plan
Drawing : Y9025_A1006 / Rev A
Planning
Architectural Planning Ltd.
Building Surveyors, Designers & Project managers.
1a Nutbourne Road, Sandy Point, Hayling Island, Hants . PO11 9RT .
Telephone : 02392 463994, mobile : 07795 633100

3.4 Proposed Padel Tennis Courts


1 NE Site Elevation
1 : 200
2 NW Site Elevation
1 : 200
3 SE Site Elevation
1 : 200
4 SW Site Elevation
1 : 200
0m 4m 8m 12m 16m 20m
VISUAL SCALE 1:200 @ A3
IJ Murray Associates Ltd
www.ijma.co.uk
CIAT
CHARTERED PRACTICE
Mill Rythe Lane Padel
Proposed V4
Andrew Jameson
Site Elevations
A104
Scale 1 : 200


1 East West Section
1 : 100
2 North South Section
1 : 100
0m 2m 4m 6m 8m 10m
VISUAL SCALE 1:100 @ A3
IJ Murray Associates Ltd
www.ijma.co.uk
CIAT
CHARTERED PRACTICE
Mill Rythe Lane Padel
Proposed V4
Andrew Jameson
Site Sections
A106
Scale 1 : 100

Example of proposed canopy
Yachtbuilding Yard
Slipway
Jetty
ESB
MILL RYTHE LANE
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CHARTERED PRACTICE
www.ijma.co.uk
Mill Rythe Lane Padel Proposed V4
Andrew Jameson
Site Views
Project number
Project Number
Date
23.6.13
Drawn by
Author
Paper size
Checker
Scale
As indicated
A107
17/03/2024 11:52:13

IJ Murray Associates Ltd
CIAT
CHARTERED PRACTICE
www.ijma.co.uk
Mill Rythe Lane Padel Proposed V4
Andrew Jameson
Site Overviews
Project number
Project Number
Date
23.6.13
Drawn by
Author
Paper size
Checker
Scale
1 : 1
A108
17/03/2026 11:52:13

4 RESULTS

Continuous background noise measurements were undertaken between the 16th – 22nd April 2026 at the Assessment Position 1. The Padel Tennis Court and MOT Bay will operate at different time parameters and therefore the following results have been evaluated for each area.

Locations	Corresponding $L_{Aeq\ 1\ HOUR}$ dB	Lowest $L_{A90\ 1\ HOUR}$ dB	Lowest $L_{Amax\ 1\ HOUR}$ dB
Padel Tennis Courts (07:00 – 21:00)	$L_{Aeq\ 1\ HOUR}$ 50.6 dB	$L_{A90\ 1\ HOUR}$ 41 dB	$L_{Amax\ 1\ HOUR}$ 66.0 dB
MOT Bay (08:00 – 18:00)	$L_{Aeq\ 1\ HOUR}$ 54.4 dB	$L_{A90\ 1\ HOUR}$ 47 dB	N / A

5 APPARATUS

5.1 Equipment Calibration

The equipment was calibrated using a sound pressure level of 114.0 dB at an octave band bay frequency of 1000Hz with reference to 2 x 10-5 Nm-2 before and after the tests and the equipment set to have no inaccuracy greater than 0.2 dB.

All the following equipment was calibrated in accordance with the laboratory accreditation requirements of the United Kingdom Accreditation Service (UKAS) on the following dates. Calibration schedules are implemented within Sound Advice Acoustics Ltd in accordance with UKAS directive LAB 23.

5.2 Position 1

Description	Make	Type	Serial No.	Calibration Intervals	Cert No.	Last Calibrated	Next Due Calibration
Integrated Sound Level Meter	Norsonic	140	1403140	2 YEARS	C00485	03.06.2024	03.06.2026
12.5mm Microphone (with windshield)	Norsonic	1225	579775	2 YEARS	C00485	03.06.2024	03.06.2026
Microphone Pre – Amplifier	Norsonic	1206	12486	2 YEARS	C00485	03.06.2024	03.06.2026

The noise meter was calibrated before and after the assessment period and found to be within the tolerance of the manufacturer's guidance. Full Calibration certificates are available upon request.

6 PADEL TENNIS COURT

6.1 Operational Noise Levels

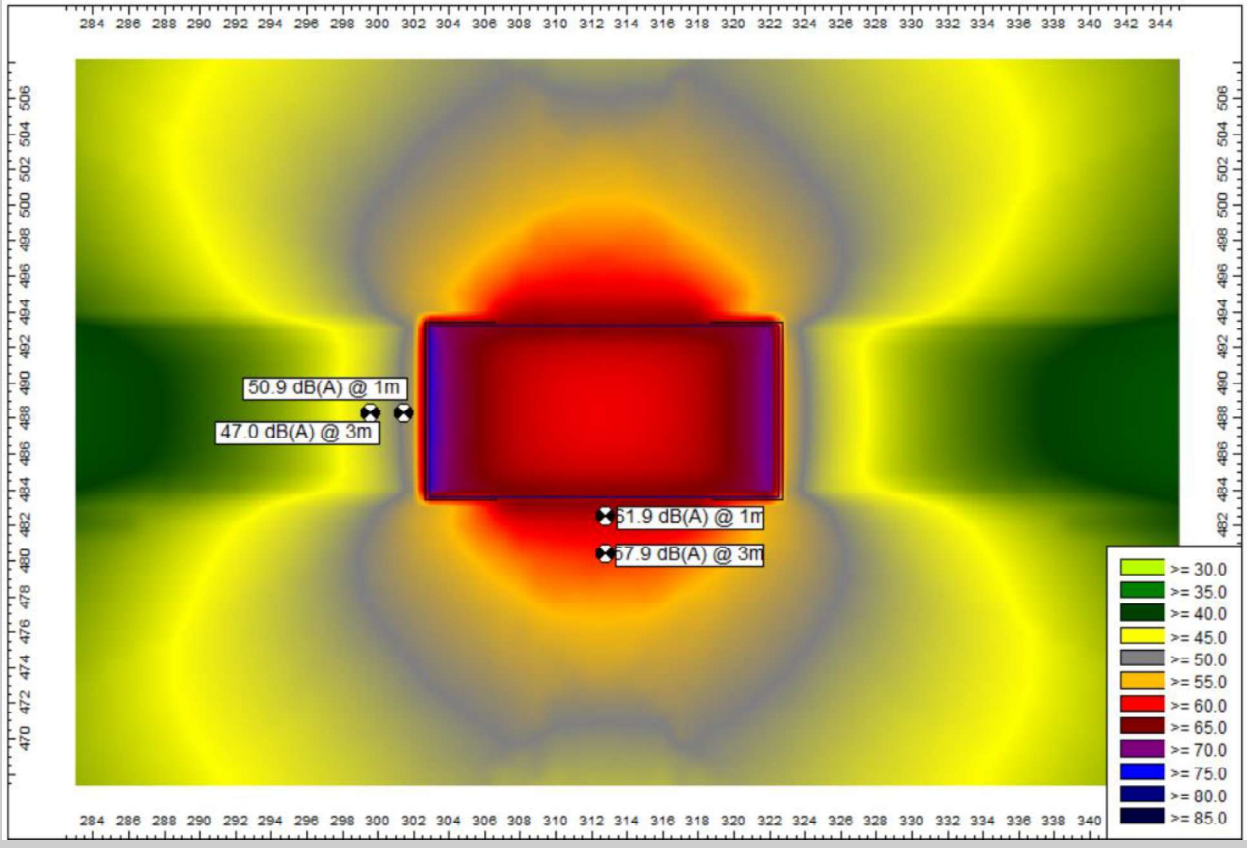
3D Models have been generated based on data collected from a Padel Court doubles game in Winchester, where the following data has been captured:-

Location	LAeq	LAFmax	Octave Band Bay Frequency (Hz)									
			31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1.0 kHz	2.0 kHz	4.0 kHz	8.0 kHz	16.0 kHz
Open Side @ 1m	61.9	83.8	52.1	51.6	55.0	58.0	58.2	58.8	53.2	48.1	39.8	31.7
Open Side @ 3m	57.9	78.4	50.1	48.2	52.4	54.8	55.3	54.4	48.0	43.1	32.2	18.3
End @ 1m	50.9	70.8	67.6	63.2	57.9	49.0	47.5	46.0	41.5	37.4	29.3	20.0
End @ 3m	47.0	64.1	53.3	51.6	45.8	40.9	37.8	37.1	44.0	36.8	26.4	17.2

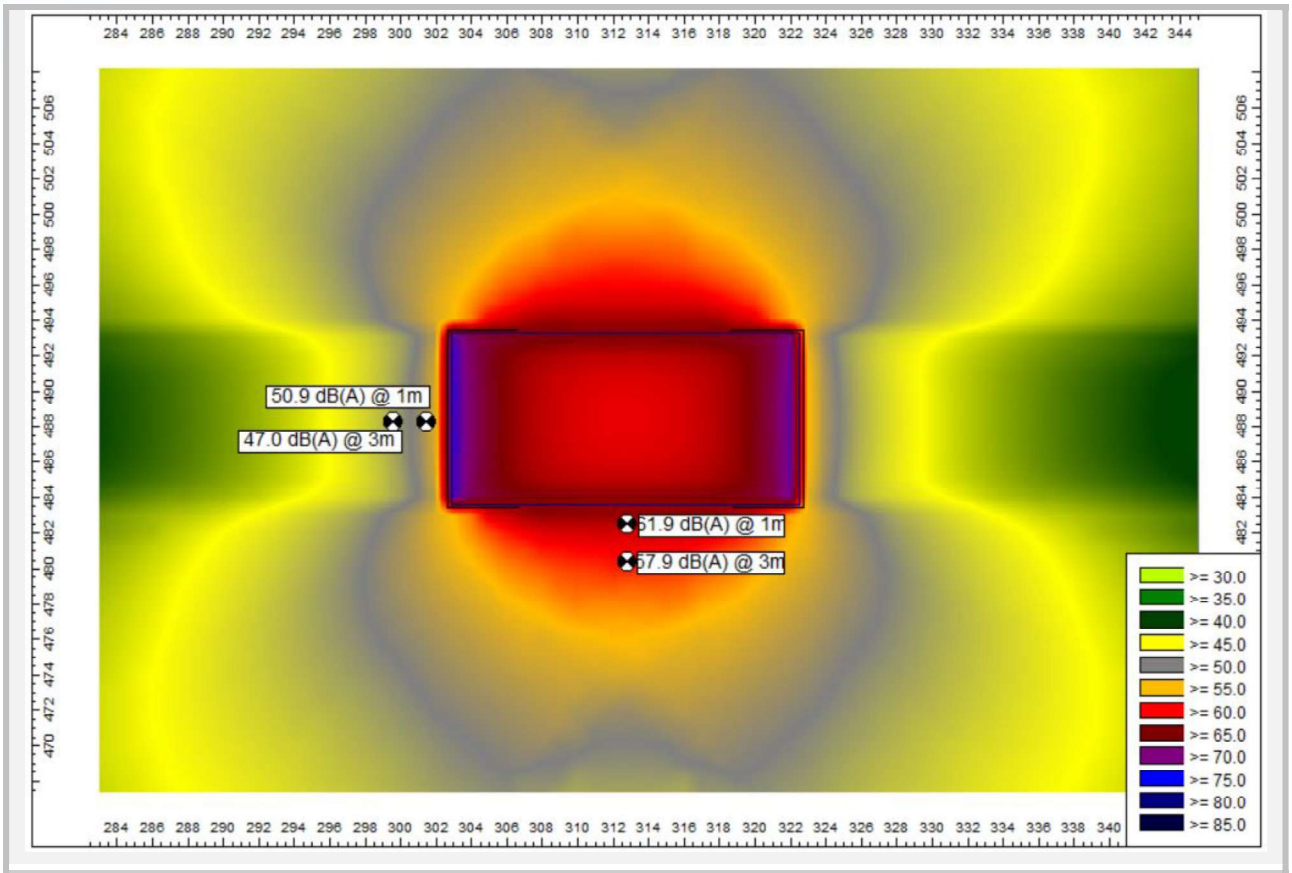
The values have been replicated on an acoustic model and calculation made to the nearest affected residential dwellings surrounding the proposed courts.

6.2 Typical Padel Court

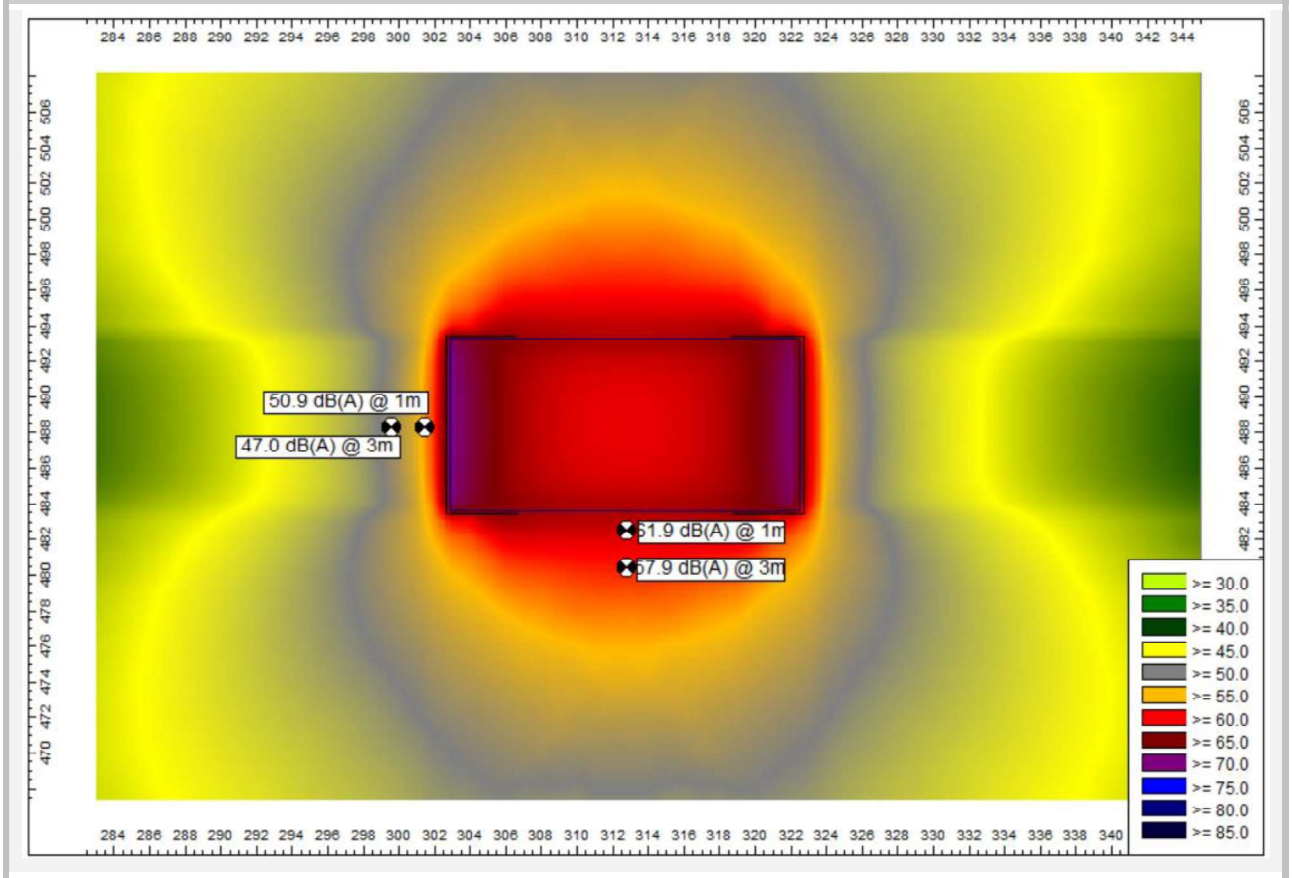
Noise levels have been captured from a typical Padel Court in Winchester during a doubles match.



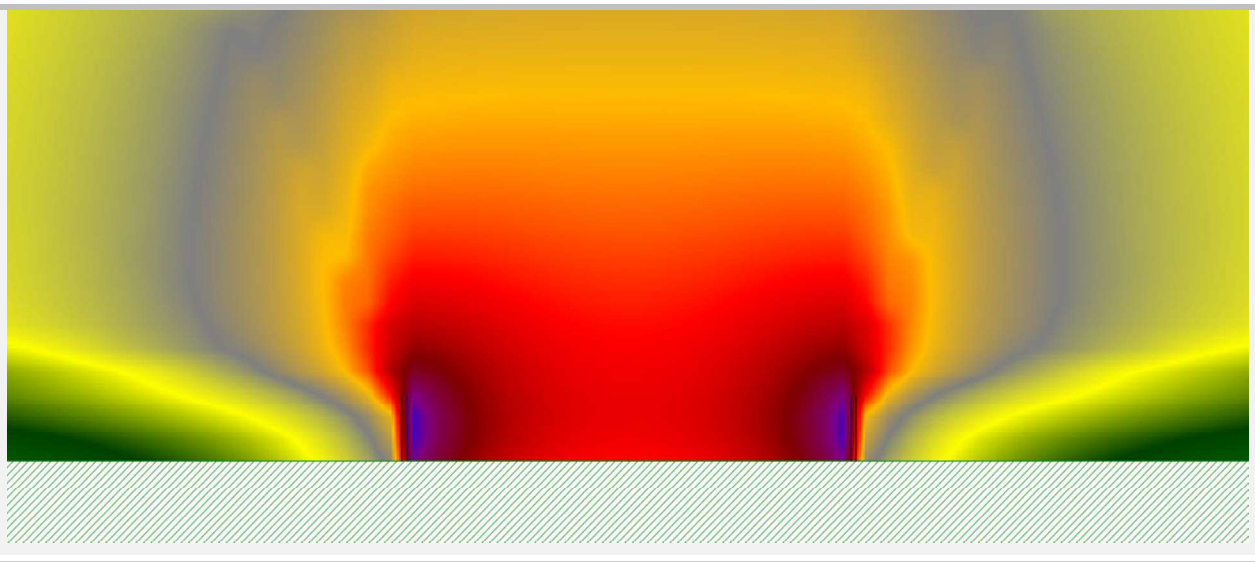
Contour at 1.0m Height



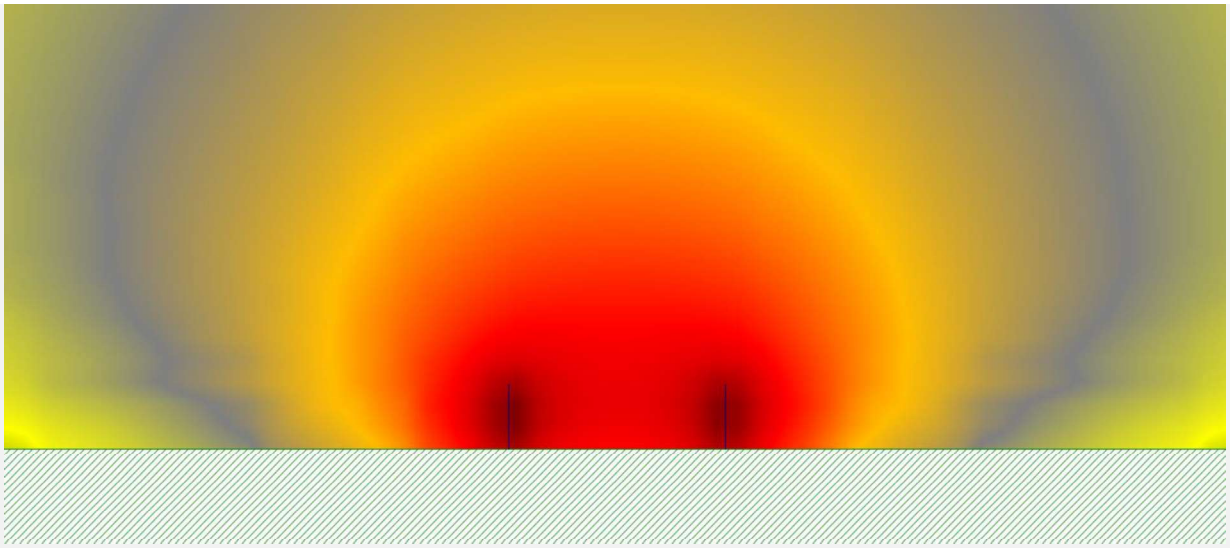
Contour at 2.0m Height



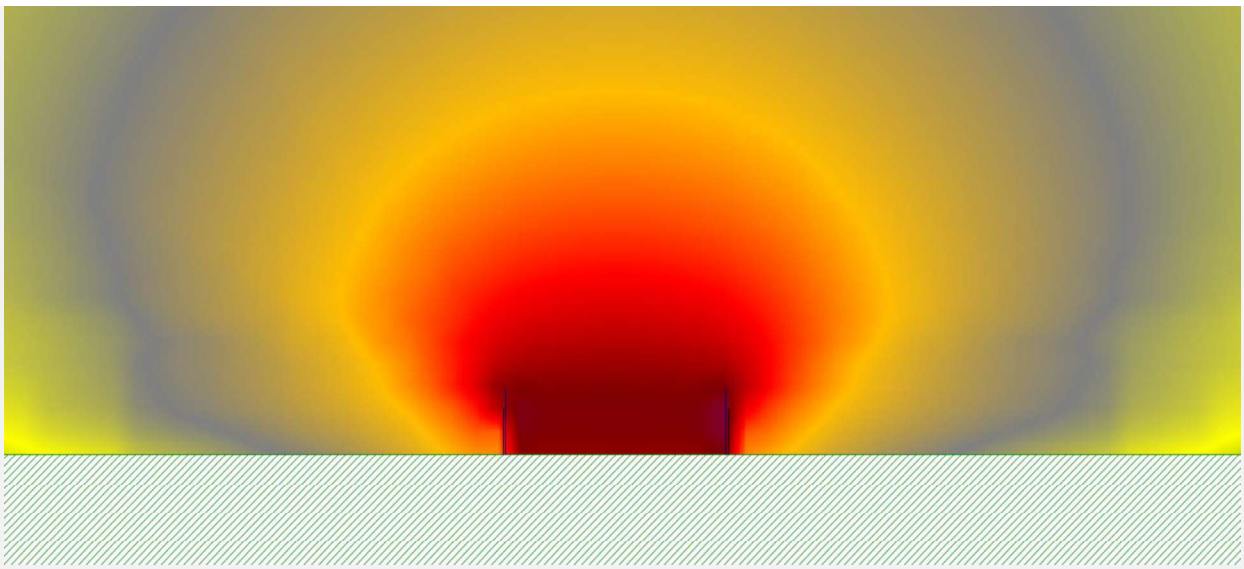
Contour at 3.0m Height



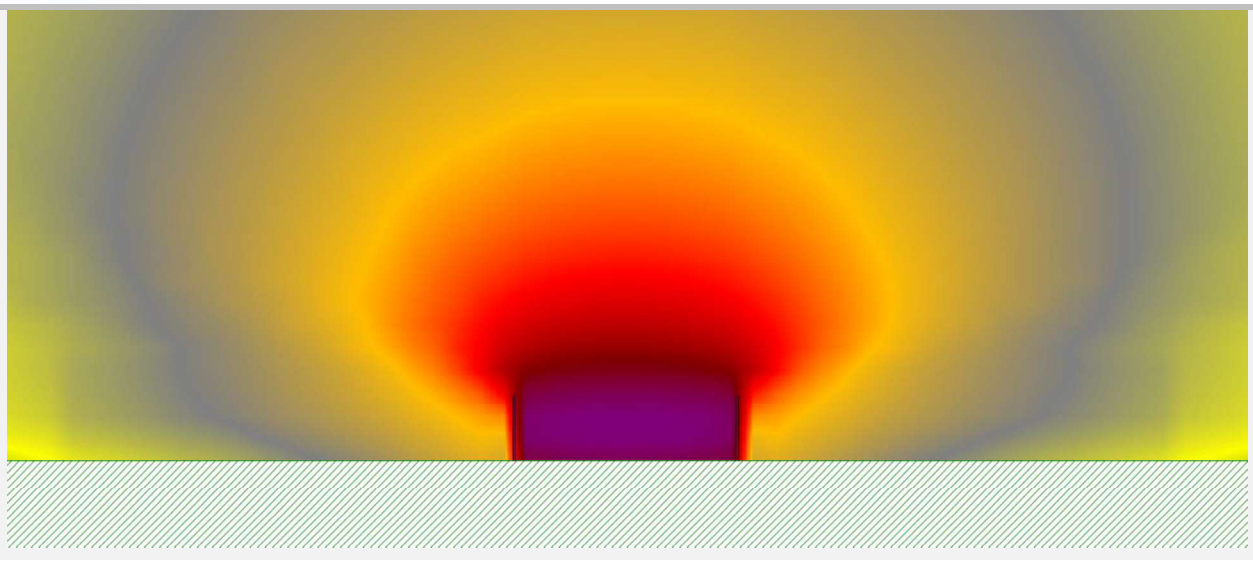
Section Through Court – Lengthways 2.9m Glass Either End



Section Through Court – Sideways Open Sides



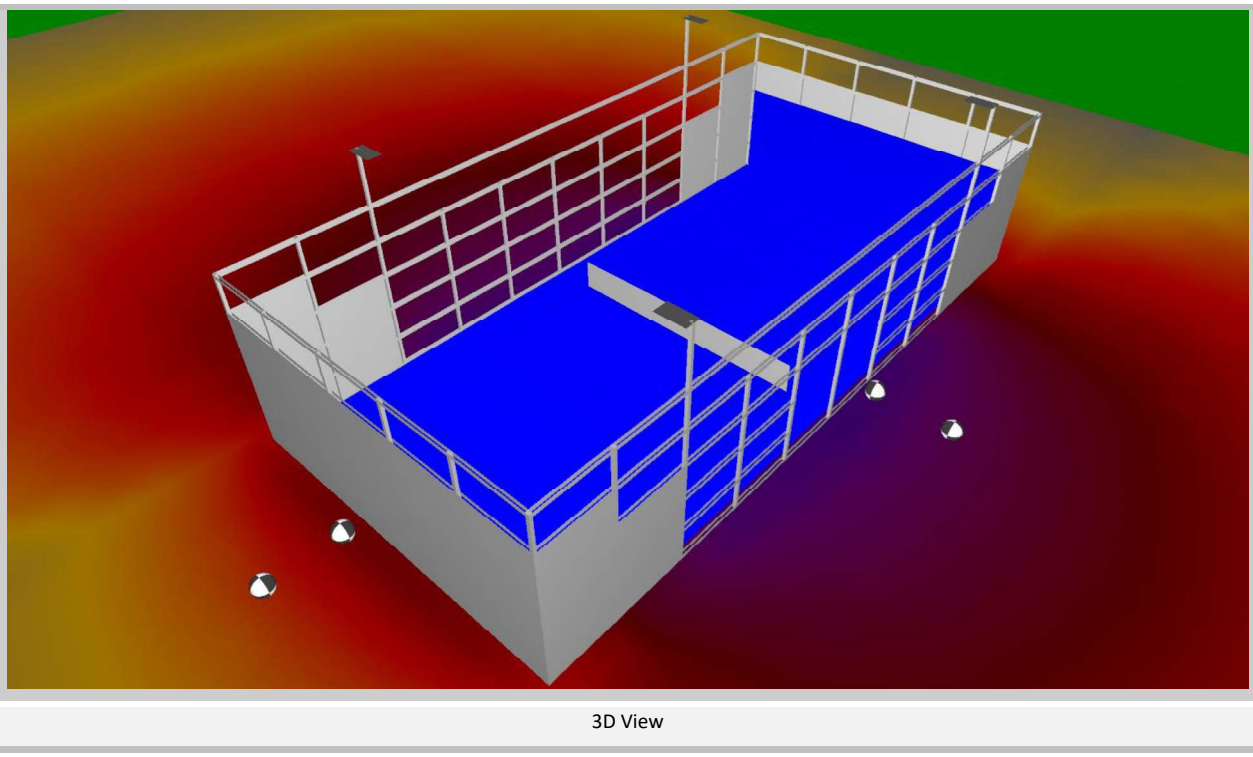
Section Through Court – Sideways 2.0m Glass Sections



Section Through Court – Sideways 2.0m Glass Sections

The above values have been imposed onto the following CADNA A models to accurately calculate the resultant noise levels.

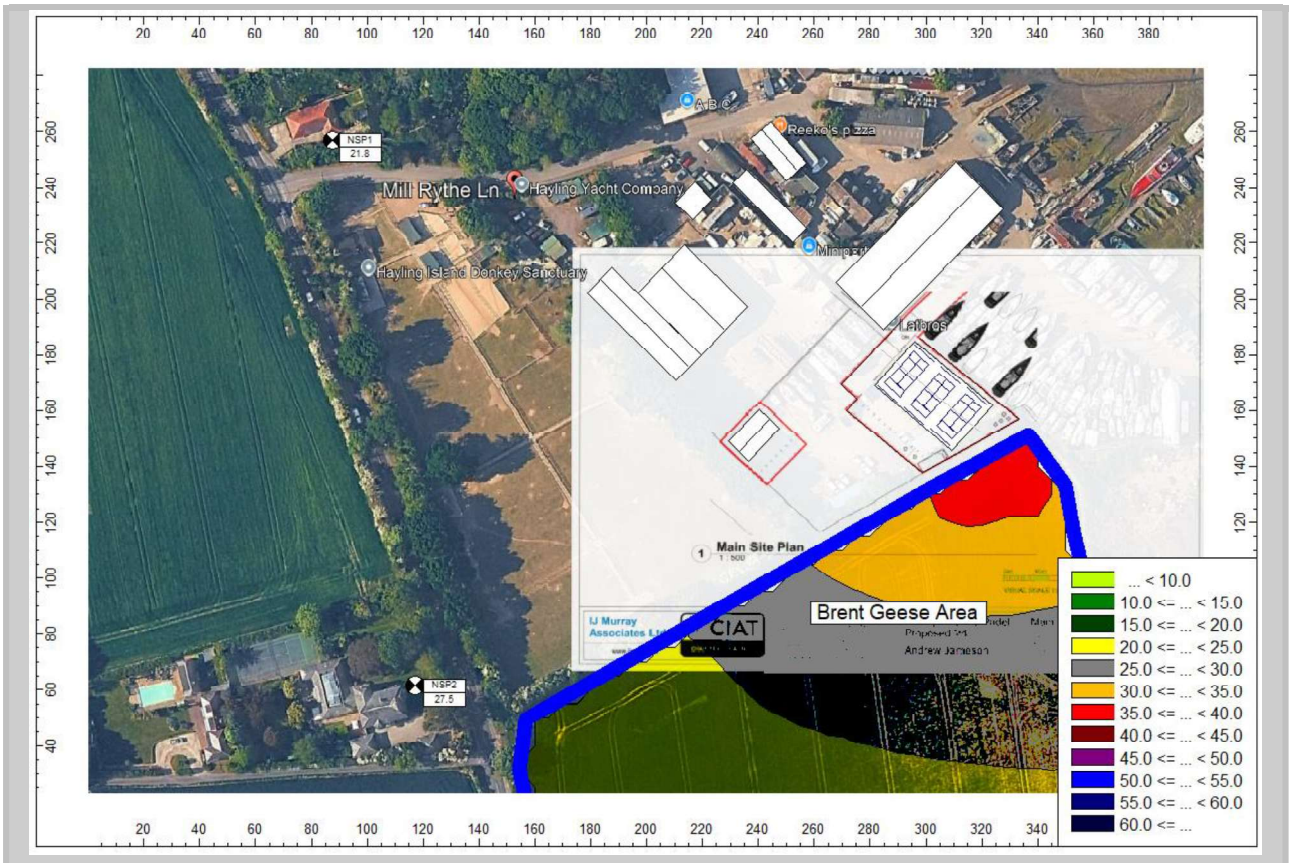
6.3 3D View



3D View

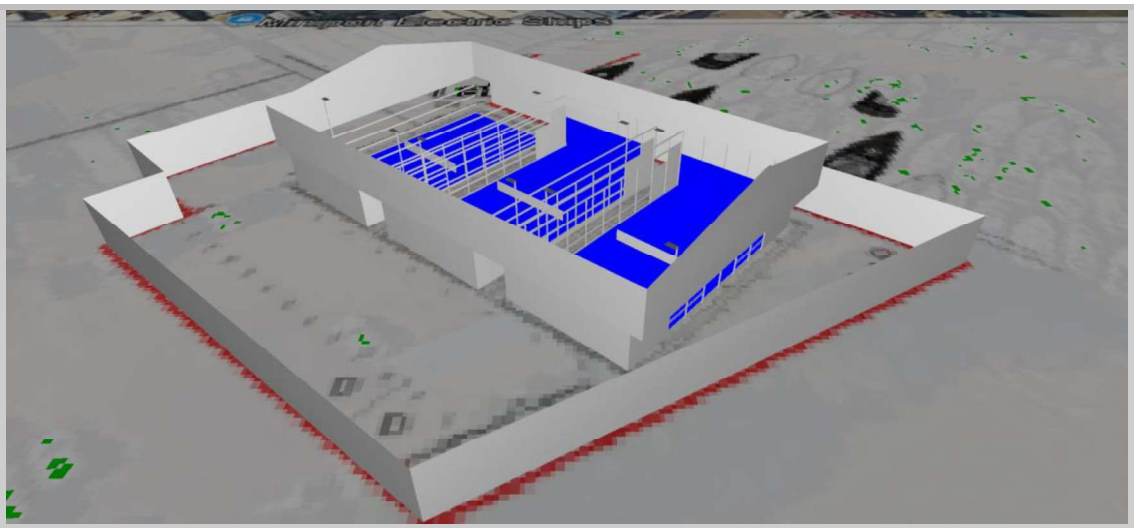
6.4 Calculated Noise Levels

6.4.1 First Floor Receptors (Worst Case Scenario)

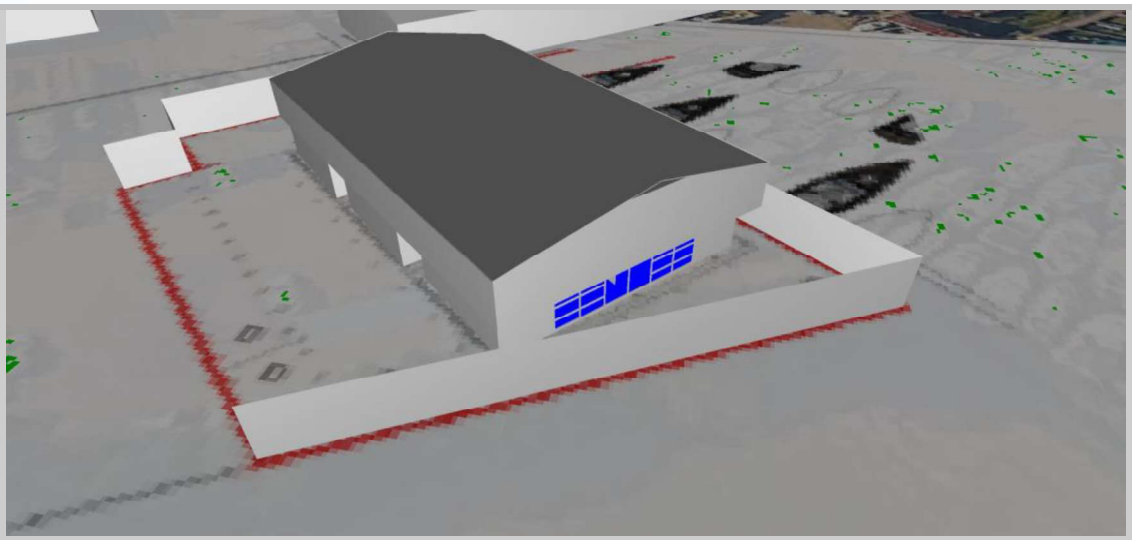


FIRST FLOOR @ RESIDENTIAL

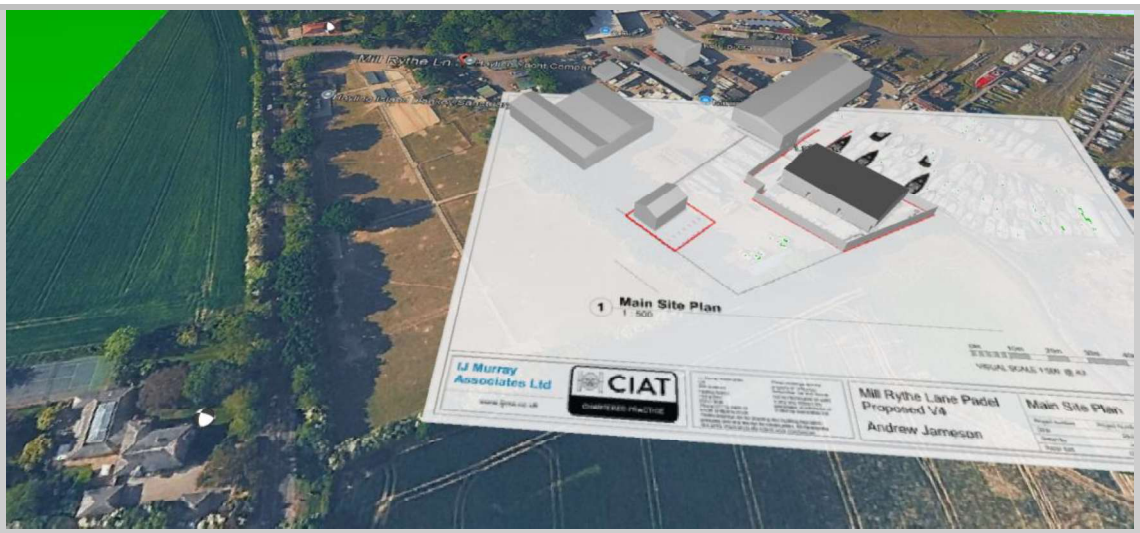
NSP1 = 21.8 dB(A) NSP2 = 27.5 dB(A)



3D VIEW WITH NO ROOF



3D VIEW WITH ROOF



3D WIDER VIEW

6.5 Summary of Results & Assessments

The following assessment has been undertaken in accordance with the criteria set out within the Sports England 'Design Guidance Note'.

6.5.1 $L_{Aeq\ t}$ dB Assessment

Location	Sports England Criteria		
	Residential Façade not to exceed 50 dB LAeq,1hour	Residential Gardens not to exceed 50 dB LAeq,1hour	Noise not to exceed existing noise climate. LAeq,1hour 50.6 dB (22:00-23:00)
NSP1	21.8	21.8	21.8
NSP2	27.5	27.5	27.5

Location	Façade Levels	Existing Background	Excess Over Background	Assessment Conclusion
NSP1	$L_{Aeq,\ 1\ Hour}$ 21.8 dB	$L_{A90,\ t}$ 41 dB	-19.2 dB	Low Impact
NSP2	$L_{Aeq,\ 1\ Hour}$ 27.5 dB		-13.5 dB	Low Impact

6.5.2 $L_{Amax\ t}$ dB Assessment

Location	Lowest Recorded $L_{Aeq\ 1\ HOUR}$ dB	Lowest Recorded $L_{Amax\ 1\ HOUR}$ dB	Calculated Façade Levels LAeq dB	Calculated Façade Levels LAmax dB	Assessment Conclusion
NSP1	50.6 dB(A)	66 dB dB(A)	$L_{Aeq,\ 1\ Hour}$ 21.8 dB	$L_{Amax,\ 1\ Hour}$ 37.2 dB	Low Impact
NSP2			$L_{Aeq,\ 1\ Hour}$ 27.5 dB	$L_{Amax,\ 1\ Hour}$ 42.9 dB	Low Impact

7 MOT BAY

7.1 Operational Noise Levels

The client is constructing a new unit that is going to have a reception area and MOT bay. The following noise levels have been recorded at a typical similar operational MOT facility.

Activity & Time Correction	L_{Aeq}	L_{Amax}	Octave Band Centre Frequency (Hz)							
			63	125	250	500	1.0 k	2.0 k	4.0 k	8.0 k
General level Including : Engine running, general vehicle maintenance,	78.8	100.3	81.3	75.7	72.7	72	68.6	71.3	72.8	72.2
Lift Operation Including driving on and off lift.	79.3	91.6	68.3	73.5	62.1	70	68.8	75	72.8	66.9
On time 3min / 60min			-13	-13	-13	-13	-13	-13	-13	-13
Corrected on time level			55.3	60.5	49.1	57	55.8	62	59.8	53.9
Wheel Nut Air Tool Wheel nut removal and replacement.	95.8	103.0	74.2	80.8	80.6	82.2	84.6	88.6	90.9	90.1
On time 2min / 60min			-14.8	-14.8	-14.8	-14.8	-14.8	-14.8	-14.8	-14.8
Corrected on time level			59.4	66	65.8	67.4	69.8	73.8	76.1	75.3
Compressor Typical compressor under load.	83.6	85.9	90.1	82.5	87.7	81.1	74	68.7	71.4	65.7
On time 15min / 60min			-6	-6	-6	-6	-6	-6	-6	-6
Corrected on time level			84.1	76.5	81.7	75.1	68	62.7	65.4	59.7
Total Source Levels			85.9	79.4	82.3	77.3	73.7	76.1	78.1	77.1
A' Weighted correction			-26	-16	-9	-3	0	1	1	-1
A' Weighted level	83.2		59.9	63.4	73.3	74.3	73.7	77.1	79.1	76.1

7.2 Proposed Construction Methods

Elements	Rw dB	Octave Band Centre Frequency (Hz)							
		63	125	250	500	1.0 k	2.0 k	4.0 k	8.0 k
Doors Metal	Rw 34 dB	16	21	27	32	34	36	36	41
Walls & Roof Composite Panel	Rw 26 dB	15	18	22	23	21	38	47	52

7.3 Combined Transmission Loss

The following tables demonstrate the combined transmission loss for each façade.

7.3.1 North West

Façade	Octave Band Centre Frequency (Hz)						
	63	125	250	500	1	2	4
AREA SECTION 1 - Wall	104	104	104	104	104	104	104
SRI SECTION 1 - Wall	15	18	22	23	21	38	47
R TOTAL	**15**	**18**	**22**	**23**	**21**	**38**	**47**

7.3.2 South East

Façade	Octave Band Centre Frequency (Hz)						
	63	125	250	500	1	2	4
AREA SECTION 1 - Wall	102	102	102	102	102	102	102
AREA SECTION 2 – Door	2	2	2	2	2	2	2
SRI SECTION 1 - Wall	15	18	22	23	21	38	47
SRI SECTION 2 - Door	16	21	27	32	34	36	36
R TOTAL	**15**	**18**	**22**	**23**	**21**	**38**	**46**

7.3.3 North East

Façade	Octave Band Centre Frequency (Hz)						
	63	125	250	500	1	2	4
AREA SECTION 1 - Wall	41	41	41	41	41	41	41
AREA SECTION 2 – Door	36	36	36	36	36	36	36
SRI SECTION 1 - Wall	15	18	22	23	21	38	47
SRI SECTION 2 - Door	16	21	27	32	34	36	36
R TOTAL	**15**	**19**	**24**	**25**	**24**	**37**	**39**

7.3.4 South West

Façade	Octave Band Centre Frequency (Hz)						
	63	125	250	500	1	2	4
AREA SECTION 1 - Wall	77	77	77	77	77	77	77
SRI SECTION 1 - Wall	15	18	22	23	21	38	47
R TOTAL	**15**	**18**	**22**	**23**	**21**	**38**	**47**

7.3.5 Roof

Façade	Octave Band Centre Frequency (Hz)						
	63	125	250	500	1	2	4
AREA SECTION 1 - Roof	185	185	185	185	185	185	185
SRI SECTION 1 - Roof	15	18	22	23	21	38	47
R TOTAL	**15**	**18**	**22**	**23**	**21**	**38**	**47**

7.4 Calculated Levels from Inside to Outside

The following table demonstrate the inside to outside calculation for each façade.

7.4.1 North West

Proposed Constructions	Octave Band Centre Frequency (Hz)							Lw dB
Inside to Outside Side Facade	63.0	125	250	500	1k	2k	4k	
Inside Sound Pressure	59.9	63.4	73.3	74.3	73.7	77.1	79.1	83.2
Combined R	15.0	18.0	22.0	23.0	21.0	38.0	47.0	15.0
10xLog (S)	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2
Free Field Correction	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Calculated Radiating Sound Power	70.1	70.6	76.5	76.5	77.9	64.3	57.3	79.7

7.4.2 South East

Proposed Constructions	Octave Band Centre Frequency (Hz)							Lw dB
Inside to Outside Side Facade	63.0	125	250	500	1k	2k	4k	
Inside Sound Pressure	59.9	63.4	73.3	74.3	73.7	77.1	79.1	83.2
Combined R	15.0	18.0	22.0	23.0	21.0	38.0	46.0	
10xLog (S)	20.2	20.2	20.2	20.2	20.2	20.2	20.2	
Free Field Correction	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Calculated Radiating Sound Power	70.1	70.6	76.5	76.5	77.9	64.3	58.3	79.7

7.4.3 North East

Proposed Constructions	Octave Band Centre Frequency (Hz)							Lw dB
Inside to Outside Side Facade	63.0	125	250	500	1k	2k	4k	
Inside Sound Pressure	59.9	63.4	73.3	74.3	73.7	77.1	79.1	83.2
Combined R	15.0	19.0	24.0	25.0	24.0	37.0	39.0	
10xLog (S)	18.9	18.9	18.9	18.9	18.9	18.9	18.9	
Free Field Correction	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Calculated Radiating Sound Power	68.8	68.3	73.2	73.2	73.6	64.0	64.0	76.3

7.4.4 South West

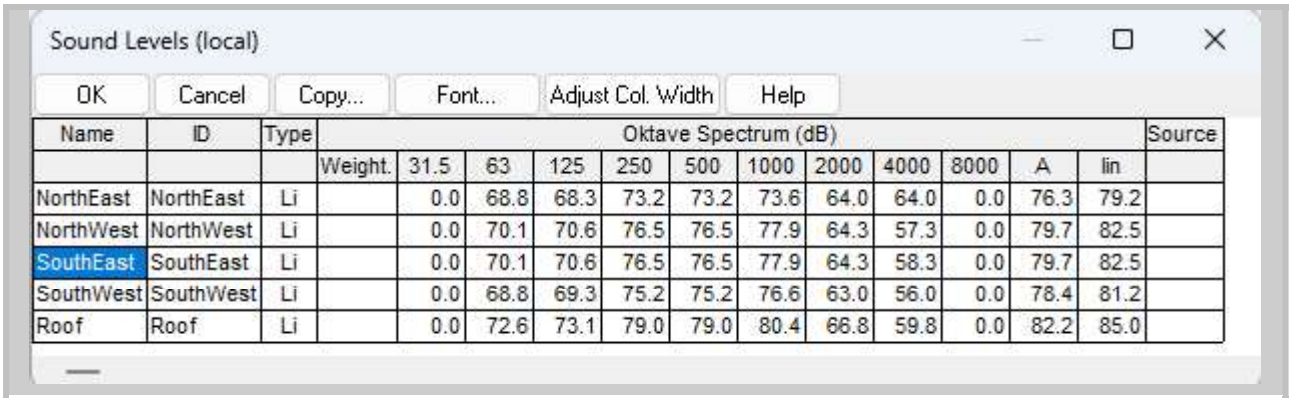
Proposed Constructions	Octave Band Centre Frequency (Hz)							Lw dB
Inside to Outside Side Facade	63.0	125	250	500	1k	2k	4k	
Inside Sound Pressure	59.9	63.4	73.3	74.3	73.7	77.1	79.1	83.2
Combined R	15.0	18.0	22.0	23.0	21.0	38.0	47.0	
10xLog (S)	18.9	18.9	18.9	18.9	18.9	18.9	18.9	
Free Field Correction	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Calculated Radiating Sound Power	68.8	69.3	75.2	75.2	76.6	63.0	56.0	78.4

7.4.5 Roof

Proposed Constructions	Octave Band Centre Frequency (Hz)							Lw dB
Inside to Outside Side Facade	**63.0**	**125**	**250**	**500**	**1k**	**2k**	**4k**	
Inside Sound Pressure	59.9	63.4	73.3	74.3	73.7	77.1	79.1	83.2
Combined R	15.0	18.0	22.0	23.0	21.0	38.0	47.0	
10xLog (S)	22.4	22.4	22.4	22.4	22.4	22.4	22.4	
Free Field Correction	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Calculated Radiating Sound Power	72.6	73.1	79.0	79.0	80.4	66.8	59.8	82.2

7.5 Inputted Levels

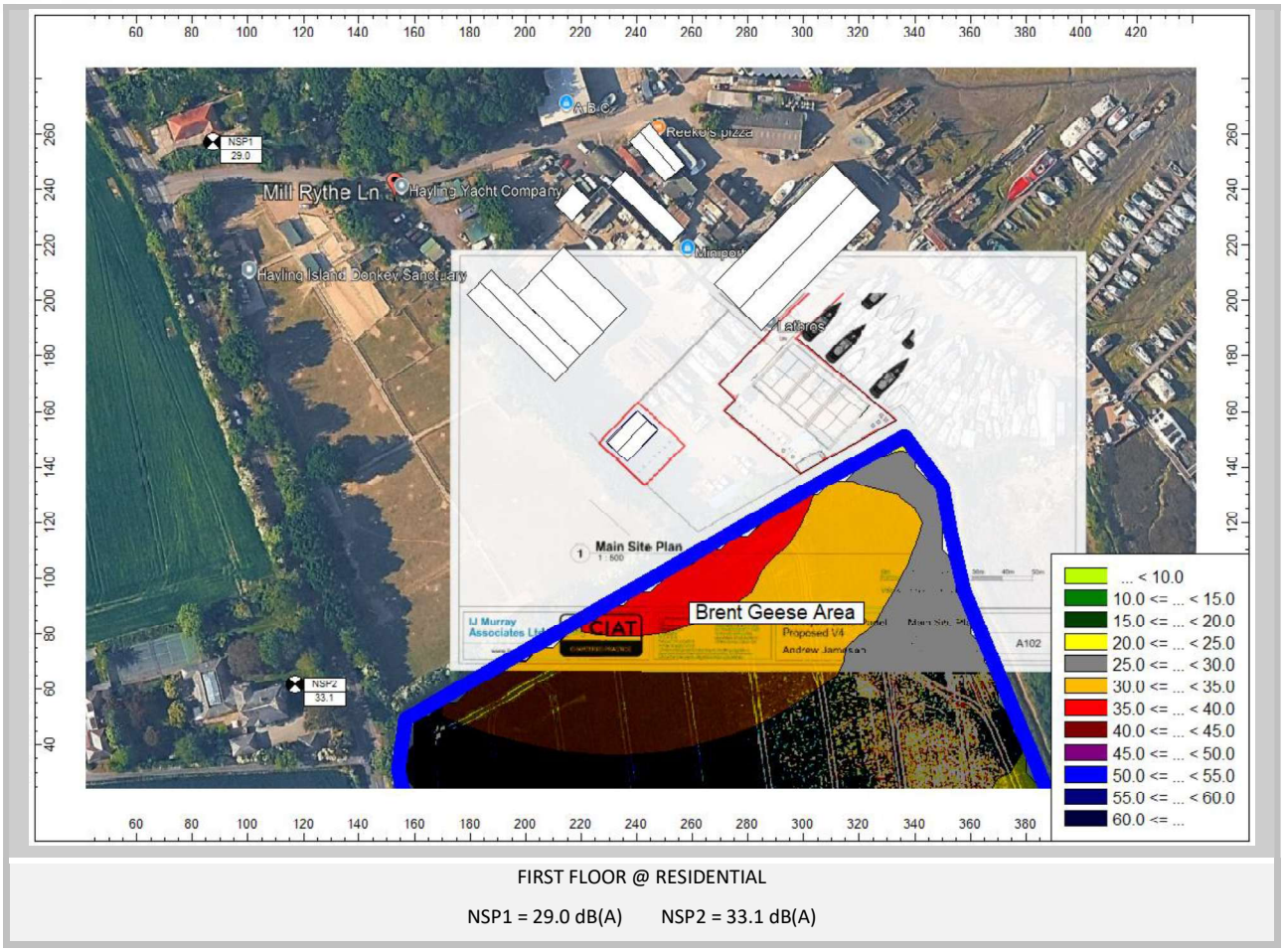
The below noise levels have been inputted into the 3D model.



Name	ID	Type	Oktave Spectrum (dB)											Source
			Weight.	31.5	63	125	250	500	1000	2000	4000	8000	A	lin	
NorthEast	NorthEast	Li		0.0	68.8	68.3	73.2	73.2	73.6	64.0	64.0	0.0	76.3	79.2	
NorthWest	NorthWest	Li		0.0	70.1	70.6	76.5	76.5	77.9	64.3	57.3	0.0	79.7	82.5	
SouthEast	SouthEast	Li		0.0	70.1	70.6	76.5	76.5	77.9	64.3	58.3	0.0	79.7	82.5	
SouthWest	SouthWest	Li		0.0	68.8	69.3	75.2	75.2	76.6	63.0	56.0	0.0	78.4	81.2	
Roof	Roof	Li		0.0	72.6	73.1	79.0	79.0	80.4	66.8	59.8	0.0	82.2	85.0	

INPUTTED NOISE LEVELS

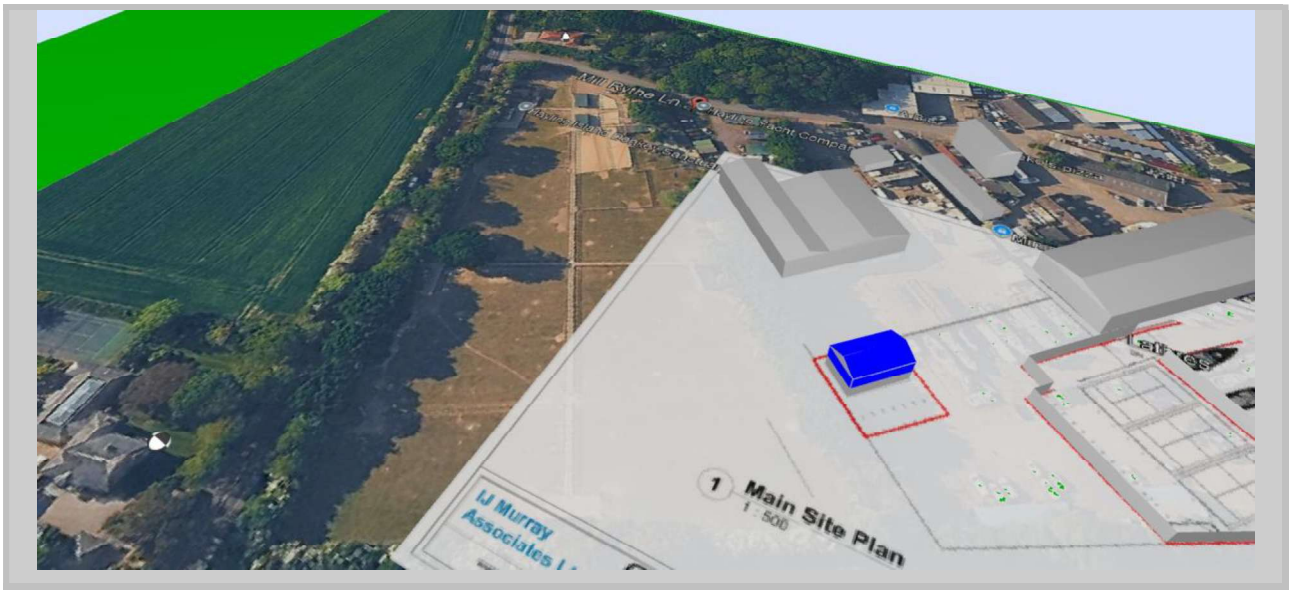
7.6 Calculated Façade Levels



FIRST FLOOR @ RESIDENTIAL

NSP1 = 29.0 dB(A) NSP2 = 33.1 dB(A)

7.7 3D View



8 BRITISH STANDARD 4142:2014+A1:2019

8.1 Criteria

We have calculated the nearest noise sensitive premises to that of the adjacent residential accommodation with the proposed diagnostic bay being no closer than 141m away.

8.2 Scope of British Standard 4142: 2014

In the assessment of the existing surrounding commercial premises, consideration has been given to the scope of British Standard 4142:2014+A1:2019, which in section 1, details applicability of this standard to rating assessing sound of an industrial and/or commercial nature. It is considered appropriate that both the background noise levels and the rating noise levels obtained fall within the scope of British Standard 4142:2014+A1:2019 by using outdoor sound levels to assess the effect of sound on local residents.

8.3 Terms and Definitions

Symbol	Term	Definition
AP	Assessment Position	Position externally at the façade property under investigation at which the assessment is undertaken which is usually 1m from the 1st floor bedroom window.
EP	Equivalent Position	Position at which the background noise levels are measured if there is no access to the assessment position or if source under investigation is audible.
$L_s = L_{Aeq,T}$	Specific Level	The average continuous equivalent sound pressure level of the source at the assessment position.
$L_{Ar,Tr}$	Rating Level	The average continuous equivalent sound pressure level of the source at the assessment position with a correction to account for the characteristic features.
$L_r = L_{Aeq,T}$	Residual Level	The average continuous equivalent sound pressure level at the assessment position without the source operating.
$L_{A90,T}$	Background Level	The sound pressure level that is not exceeded 90% of the time at the assessment position.
$L_a = L_{Aeq,T}$	Ambient Level	The totally encompassing sound at the assessment position including the residual and specific noise.

8.4 Assessment Position

The assessment position 1 was established as the residential accommodation at NSP1 & NSP2.

8.5 Rating Levels (Character Correction)

It is appropriate to add a character correction where there is a new source that cannot be measured in line with BS 4142:2014+A1:2019. There are 3 methods for approaching this.

a) Subjective method
b) Objective method (for tonality)
c) Reference method

8.6 Subjective Method

The subjective method establishes a rating penalty that is added to the specific noise level if any of the following is present at the assessment position. If a tone is expected to be present a character correction of 0 dB to 6 dB is added depending on how perceptible it is at noise sensitive locations.

BS 4142:2014+A1:2019 – Section 9.2 Subjective Method	Perceptibility to noise sensitive facades	Correction
Tonality Ranging from not tonal to prominently tonal	Not tonal	+0
	Just perceptible	+2
	Clearly perceptible	+4
	Highly perceptible	+6

If the source is expected to be impulsive a character correction of 0 dB to 9 dB is added depending on how perceptible it is at noise sensitive locations.

BS 4142:2014+A1:2019 – Section 9.2 Subjective Method	Perceptibility to noise sensitive facades	Correction
Impulsivity Considering both the rapidity and any overall change in sound levels	Not impulsive	+0
	Just perceptible	+3
	Clearly perceptible	+6
	Highly perceptible	+9

When the sound features are neither tonal nor impulsive, a character correction of +3 is added for the readily distinctive quality against the acoustic environment or for the intermittency of the source.

BS 4142:2014+A1:2019 – Section 9.2 Subjective Method	Perceptibility to noise sensitive facades	Correction
Readily Distinctive	Is not present	+0
	Is present	+3
Intermittency	Is not present	+0
	Is present	+3

8.7 Assessment Criterion

The significance of the resulting noise on the residential property depends on the margin by which it exceeds the background noise levels. British Standard 4142:2014+A1:2019 provides the following guidance within section 11.

Difference	Assessment of Impact
+10 dB	Indication of a significant adverse impact
+5 dB	Indication of an adverse impact
+0 dB	Indication of low impact

8.8 Assessments

8.8.1 Daytime 07:00 – 23:00 Calculated Façade Levels.

Item	Calculation	Clause	Commentary
Specific Noise Level $L_{Aeq,1\ hour}$	33 dB	7	Calculated using ISO 9613:1996[3].
Tonality	+2 dB	8.1	Tonality Characteristic
Intermittent	+3 dB	8.1	Intermittency Characteristic

Rating Level	38 dB	9.1	The acoustic feature correction is added to the specific noise level
Background Noise Level $L_{A90,1\ hour}$	47 dB	8.1	Modal Background Noise Level
Assessment Level	-9 dB	11	The background level is subtracted from the rating level.
Assessment	-9 dB		
Conclusion	The assessment level is 'Low Impact'		

8.9 Tonal Penalty

A +2 dB penalty has been applied to the specific noise level to allow for any minor tonal elements that may be present from the proposed plant.

8.10 Intermittency Penalty

A +3 dB penalty has been applied to the specific noise level to allow for any intermittent elements that may be present from the proposed MOT Bay.

8.11 Assessment Conclusion

It can be seen from the above assessments that with the diagnostic bay operational, an assessment conclusion of 'Low Impact' could be expected. Therefore, no further remedial works are required.

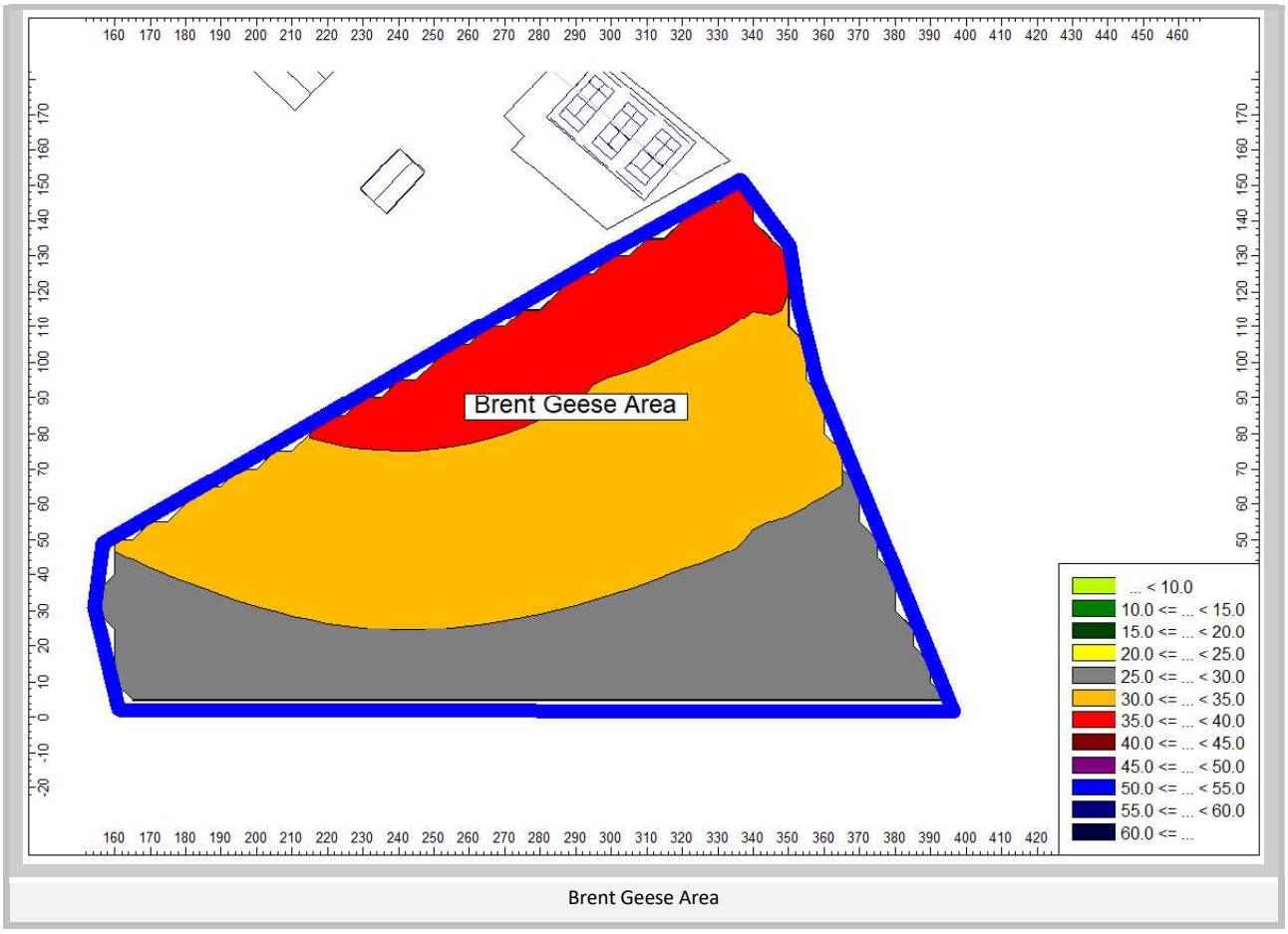
9 BRENT GEESE AREA

9.1 Outline

Directly to the south is located a field where Brent Geese are known to nest and therefore noise levels have been plotted over this area with the combined noise levels. It should also be noted that Clay Pigeon Shooting is also undertaken here once a week.

9.2 Calculated Noise Levels

The following demonstrates the calculated noise levels across the area.



Brent Geese Area

9.3 Analysis

It can be seen from the coloured contours, noise levels could be expected to range from 40 dB(A) at the top of the field, down to 25 dB(A) at the lower end of the field. It should be noted the ambient noise levels recorded at the top of the field at measurement position 1 were found to be at their lowest, $L_{Aeq\ 1\ hour}$ 50.6 dB(A). Therefore, the activities from the proposed Padel Tennis Court and MOT Bay will not a detrimental acoustic effect on this area and the risk of noise disturbance to the Geese is 'Low'.

10 NPPF & NPSE

The National Planning Policy Framework 2024 (NPPF) and assessments to the Noise Policy Statement for England 2010 (NPSE) should be made in conjunction with each other. Paragraphs 198 - 201 of the National Planning Policy Framework 2024 (NPPF) states the following:

Paragraph 198 Planning policies and decisions should also ensure that new development is appropriate for its location taking into account the likely effects (including cumulative effects) of pollution on health, living conditions and the natural environment, as well as the potential sensitivity of the site or the wider area to impacts that could arise from the development. In doing so they should:

a) Mitigate and reduce to a minimum potential adverse impacts resulting from noise from new development – and avoid noise giving rise to significant adverse impacts on health and the quality of life.

b) Identify and protect tranquil areas which have remained relatively undisturbed by noise and are prized for their recreational and amenity value for this reason.

Paragraph 199 Planning policies and decisions should sustain and contribute towards compliance with relevant limit values or national objectives for pollutants. So far as possible these opportunities should be considered at the plan-making stage, to ensure a strategic approach and limit the need for issues to be reconsidered when determining individual applications.

Paragraph 200 Planning policies and decisions should ensure that new development can be integrated effectively with existing businesses and community facilities (such as places of worship, pubs, music venues and sports clubs). Existing businesses and facilities should not have unreasonable restrictions placed on them as a result of development permitted after they were established. Where the operation of an existing business or community facility could have a significant adverse effect on new development (including changes of use) in its vicinity, the applicant (or 'agent of change') should be required to provide suitable mitigation before the development has been completed.

Paragraph 201 The focus of planning policies and decisions should be on whether proposed development is an acceptable use of land, rather than the control of processes or emissions (where these are subject to separate pollution control regimes). Planning decisions should assume that these regimes will operate effectively. Equally, where a planning decision has been made on a particular development, the planning issues should not be revisited through the permitting regimes operated by pollution control authorities

The Noise Policy Statement for England gives various levels of effect as detailed within this report.

With the glazing / ventilation specifications achieved within this report, the development can be implemented within the guidelines of the aforementioned documents and ensure a conclusion of **NOEL – No Observed Effect Level.** This is the level below which no effect can be detected. In simple terms, below this level, there is no detectable effect on health and quality of life due to the noise.

11 CONCLUSIONS

11.1 Measured Background Noise Levels

Continuous background noise measurements were undertaken between the 16th – 22nd April 2026 at the Assessment Position 1. The Padel Tennis Court and MOT Bay will operate at different time parameters and therefore the following results have been evaluated for each area.

Locations	Corresponding $L_{Aeq\ 1\ HOUR}$ dB	Lowest $L_{A90\ 1\ HOUR}$ dB	Lowest $L_{Amax\ 1\ HOUR}$ dB
Padel Tennis Courts (07:00 – 21:00)	$L_{Aeq\ 1\ HOUR}$ 50.6 dB	$L_{A90\ 1\ HOUR}$ 41 dB	$L_{Amax\ 1\ HOUR}$ 66.0 dB
MOT Bay (08:00 – 18:00)	$L_{Aeq\ 1\ HOUR}$ 54.4 dB	$L_{A90\ 1\ HOUR}$ 47 dB	N / A

11.2 Padel Tennis Courts Summary of Results & Assessments

The following assessment has been undertaken in accordance with the criteria set out within the Sports England 'Design Guidance Note'.

11.2.1 $L_{Aeq\ t}$ dB Assessment

Location	Sports England Criteria		
	Residential Façade not to exceed 50 dB LAeq,1hour	Residential Gardens not to exceed 50 dB LAeq,1hour	Noise not to exceed existing noise climate. LAeq,1hour 50.6 dB (22:00-23:00)
NSP1	21.8	21.8	21.8
NSP2	27.5	27.5	27.5

Location	Façade Levels	Existing Background	Excess Over Background	Assessment Conclusion
NSP1	$L_{Aeq,\ 1\ Hour}$ 21.8 dB	$L_{A90,\ t}$ 41 dB	-19.2 dB	Low Impact
NSP2	$L_{Aeq,\ 1\ Hour}$ 27.5 dB		-13.5 dB	Low Impact

11.2.2 $L_{Amax\ t}$ dB Assessment

Location	Lowest Recorded $L_{Aeq\ 1\ HOUR}$ dB	Lowest Recorded $L_{Amax\ 1\ HOUR}$ dB	Calculated Façade Levels LAeq dB	Calculated Façade Levels LAmax dB	Assessment Conclusion
NSP1	50.6 dB(A)	66 dB dB(A)	$L_{Aeq,\ 1\ Hour}$ 21.8 dB	$L_{Amax,\ 1\ Hour}$ 37.2 dB	Low Impact

11.3 MOT Bay

11.3.1 Daytime 07:00 – 23:00 Calculated Façade Levels.

Item	Calculation	Clause	Commentary
Specific Noise Level $L_{Aeq,1\ hour}$	33 dB	7	Calculated using ISO 9613:1996[3].
Tonality	+2 dB	8.1	Tonality Characteristic
Intermittent	+3 dB	8.1	Intermittency Characteristic
Rating Level	38 dB	9.1	The acoustic feature correction is added to the specific noise level
Background Noise Level $L_{A90,1\ hour}$	47 dB	8.1	Modal Background Noise Level
Assessment Level	-9 dB	11	The background level is subtracted from the rating level.
Assessment	-9 dB		
Conclusion	The assessment level is 'Low Impact'		

11.3.2 Assessment Conclusion

It can be seen from the above assessments that with the MOT Bay operational, an assessment conclusion of 'Low Impact' could be expected. Therefore, no further remedial works are required.

11.4 Brent Geese Area

It can be seen from the coloured contours, noise levels could be expected to range from 40 dB(A) at the top of the field, down to 25 dB(A) at the lower end of the field. It should be noted the ambient noise levels recorded at the top of the field at measurement position 1 were found to be at their lowest, $L_{Aeq\ 1\ hour}$ 50.6 dB(A). Therefore, the activities from the proposed Padel Tennis Court and MOT Bay will not a detrimental acoustic effect on this area and the risk of noise disturbance to the Geese is 'Low'.

11.5 Conclusions

The operation of the proposed three Padel Courts and MOT bay have been assessed to establish if these will be compliant with the Sports England Criteria. Based on the calculations and assessments made within this report it is the professional opinion of Impact Acoustics Ltd that the proposed padel courts and MOT bay can demonstrate compliance with the National Planning Policy Framework 2024, NPPF & NPSE.

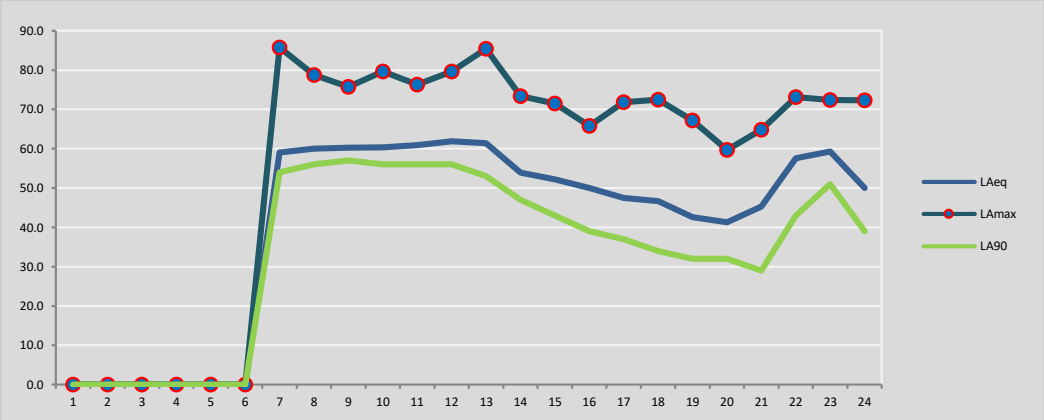
11.6 NPPF 2024

National Planning Policy Framework 2024 suggests that planning permission should be granted unless any adverse impacts of doing so would significantly and demonstrably outweigh the benefits, when assessed against the policies in the framework taken as a whole, or specific policies in the framework indicate the application should be restricted.

12 APPENDIX A – RESULTS

12.1 16th -17th April 2026

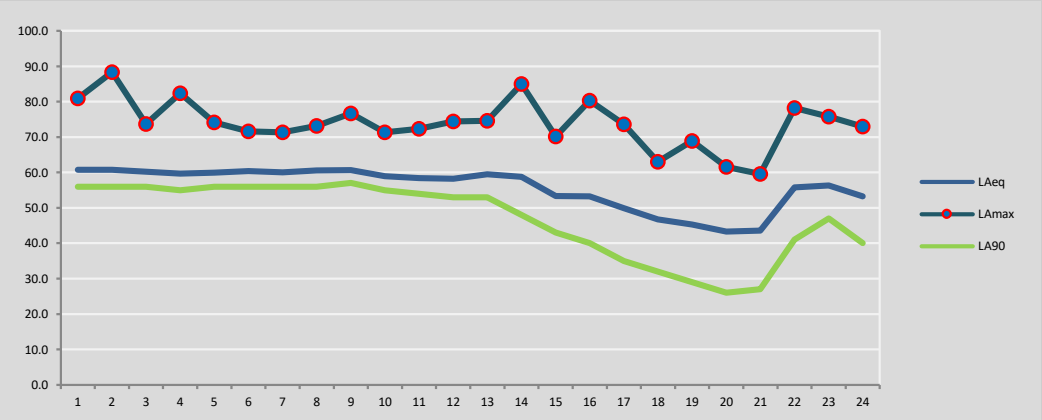
Time	L_{Max}	Minimum 15 minute		1 Hour		Day and Night	
Period		$L_{Aeq,15\ min}$	$L_{A90,\ 15\ min}$	$L_{Aeq,\ 1\ hour}$	$L_{A90,\ 1\ hour}$	$L_{Aeq,\ t}$	$L_{A90,\ 16hours}$
07:00 – 08:00	0.0	0.0	0.0	0.0	0.0	57.3	52.0
08:00 – 09:00	0.0	0.0	0.0	0.0	0.0		
09:00 – 10:00	0.0	0.0	0.0	0.0	0.0		
10:00 – 11:00	0.0	0.0	0.0	0.0	0.0		
11:00 – 12:00	0.0	0.0	0.0	0.0	0.0		
12:00 – 13:00	0.0	0.0	0.0	0.0	0.0		
13:00 – 14:00	85.7	59.7	0.0	59.0	54.0		
14:00 – 15:00	78.7	59.7	55.0	60.0	56.0		
15:00 – 16:00	75.7	59.4	56.0	60.3	57.0		
16:00 – 17:00	79.6	59.5	55.0	60.3	56.0		
17:00 – 18:00	76.3	59.7	55.0	60.9	56.0		
18:00 – 19:00	79.6	60.7	55.0	61.9	56.0		
19:00 – 20:00	85.4	58.8	50.0	61.4	53.0		
20:00 – 21:00	73.4	51.8	45.0	53.9	47.0		
21:00 – 22:00	71.5	51.9	39.0	52.2	43.0		
22:00 – 23:00	65.8	48.3	37.0	50.0	39.0		
23:00 – 00:00	71.8	44.2	36.0	47.4	37.0	55.4	48.0
00:00 – 01:00	72.5	39.9	33.0	46.7	34.0		
01:00 – 02:00	67.2	39.9	30.0	42.6	32.0		
02:00 – 03:00	59.7	39.7	32.0	41.3	32.0		
03:00 – 04:00	64.8	42.2	29.0	45.3	29.0		
04:00 – 05:00	73.1	49.8	33.0	57.5	43.0		
05:00 – 06:00	72.4	57.6	49.0	59.3	51.0		
06:00 – 07:00	72.3	60.1	54.0	50.0	39.0		



Sound Pressure Levels, dB. Reference level of 2 x 10^{-5} Nm^{-2}

12.2 17th – 18th April 2026

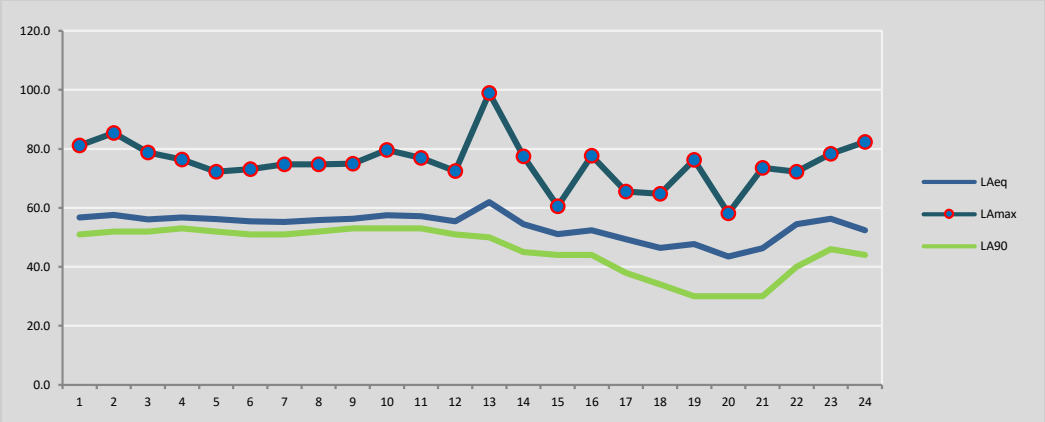
Time	L_{Max}	Minimum 15 minute		1 Hour		Day and Night	
Period		$L_{Aeq,15\ min}$	$L_{A90,\ 15\ min}$	$L_{Aeq,\ 1\ hour}$	$L_{A90,\ 1\ hour}$	$L_{Aeq,\ t}$	$L_{A90,\ 16hours}$
07:00 – 08:00	80.9	59.8	55.0	60.8	56.0	59.4	55.0
08:00 – 09:00	88.3	59.4	56.0	60.8	56.0		
09:00 – 10:00	73.7	58.6	55.0	60.2	56.0		
10:00 – 11:00	82.4	59.5	54.0	59.7	55.0		
11:00 – 12:00	74.1	58.6	55.0	59.9	56.0		
12:00 – 13:00	71.6	58.7	55.0	60.3	56.0		
13:00 – 14:00	71.3	59.8	55.0	60.0	56.0		
14:00 – 15:00	73.1	60.2	56.0	60.6	56.0		
15:00 – 16:00	76.7	59.7	56.0	60.6	57.0		
16:00 – 17:00	71.3	58.0	54.0	58.9	55.0		
17:00 – 18:00	72.3	57.6	54.0	58.4	54.0		
18:00 – 19:00	74.4	56.8	53.0	58.3	53.0		
19:00 – 20:00	74.6	59.2	51.0	59.5	53.0		
20:00 – 21:00	85.0	54.9	45.0	58.8	48.0		
21:00 – 22:00	70.2	52.0	42.0	53.3	43.0		
22:00 – 23:00	80.3	51.3	35.0	53.3	40.0		
23:00 – 00:00	73.6	48.3	33.0	49.9	35.0	52.4	42.0
00:00 – 01:00	63.0	46.2	28.0	46.7	32.0		
01:00 – 02:00	68.9	43.4	27.0	45.3	29.0		
02:00 – 03:00	61.6	41.9	25.0	43.3	26.0		
03:00 – 04:00	59.6	41.2	26.0	43.5	27.0		
04:00 – 05:00	78.2	46.6	31.0	55.7	41.0		
05:00 – 06:00	75.8	53.5	46.0	56.3	47.0		
06:00 – 07:00	73.0	53.0	47.0	53.3	40.0		



Sound Pressure Levels, dB. Reference level of 2 x 10^{-5} Nm^{-2}

12.3 18th – 19th April 2026

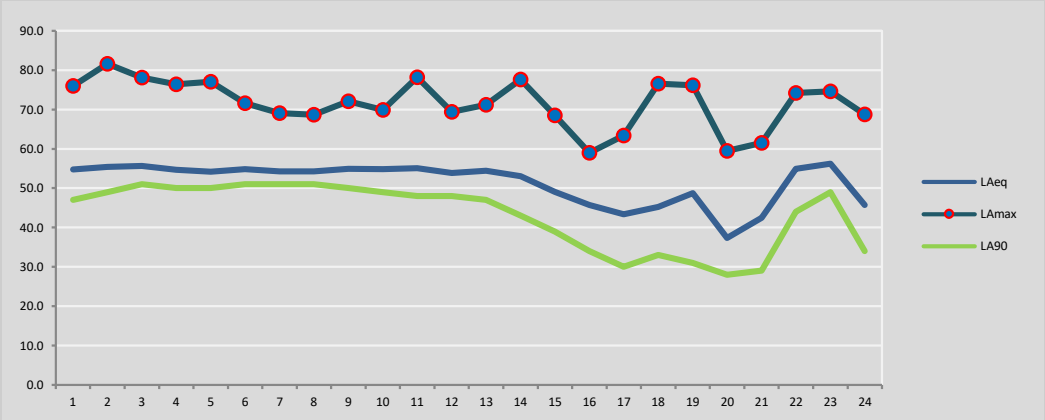
Time	L_{Max}	Minimum 15 minute		1 Hour		Day and Night	
Period		$L_{Aeq,15\ min}$	$L_{A90,\ 15\ min}$	$L_{Aeq,\ 1\ hour}$	$L_{A90,\ 1\ hour}$	$L_{Aeq,\ t}$	$L_{A90,\ 16hours}$
07:00 – 08:00	81.1	54.0	50.0	56.8	51.0	56.7	51.0
08:00 – 09:00	85.4	55.5	51.0	57.6	52.0		
09:00 – 10:00	78.8	54.5	50.0	56.1	52.0		
10:00 – 11:00	76.4	55.2	52.0	56.7	53.0		
11:00 – 12:00	72.2	55.7	51.0	56.2	52.0		
12:00 – 13:00	73.1	54.1	50.0	55.4	51.0		
13:00 – 14:00	74.7	54.8	50.0	55.2	51.0		
14:00 – 15:00	74.7	55.4	51.0	55.9	52.0		
15:00 – 16:00	75.0	55.3	52.0	56.3	53.0		
16:00 – 17:00	79.6	55.2	52.0	57.5	53.0		
17:00 – 18:00	76.9	55.7	52.0	57.2	53.0		
18:00 – 19:00	72.5	54.9	50.0	55.4	51.0		
19:00 – 20:00	99.0	55.3	49.0	61.9	50.0		
20:00 – 21:00	77.5	51.4	43.0	54.5	45.0		
21:00 – 22:00	60.5	50.6	42.0	51.1	44.0		
22:00 – 23:00	77.7	49.9	41.0	52.4	44.0		
23:00 – 00:00	65.5	48.8	37.0	49.3	38.0	52.7	41.0
00:00 – 01:00	64.8	45.7	32.0	46.4	34.0		
01:00 – 02:00	76.3	44.3	29.0	47.7	30.0		
02:00 – 03:00	58.1	42.9	29.0	43.5	30.0		
03:00 – 04:00	73.6	41.3	29.0	46.3	30.0		
04:00 – 05:00	72.3	46.8	30.0	54.5	40.0		
05:00 – 06:00	78.3	55.0	44.0	56.3	46.0		
06:00 – 07:00	82.3	54.8	45.0	52.4	44.0		



Sound Pressure Levels, dB. Reference level of 2 x 10^{-5} Nm^{-2}

12.4 19th- 20th April 2026

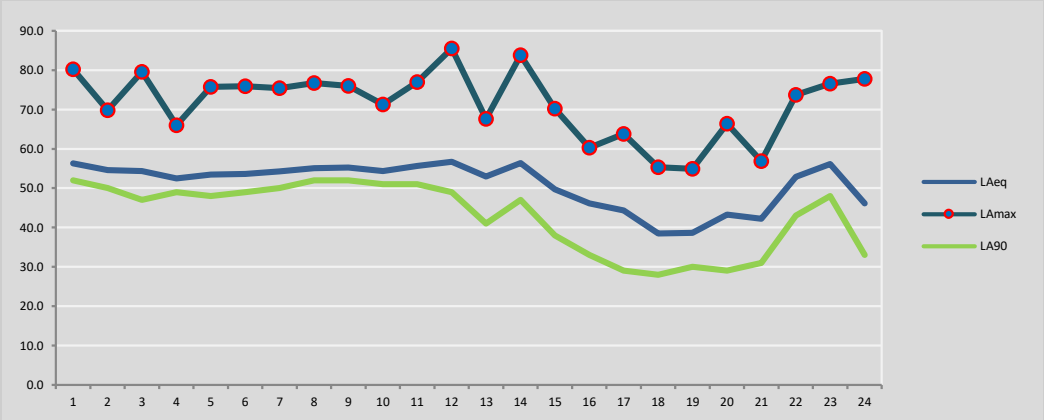
Time	L_{Max}	Minimum 15 minute		1 Hour		Day and Night	
Period		$L_{Aeq,15\ min}$	$L_{A90,\ 15\ min}$	$L_{Aeq,\ 1\ hour}$	$L_{A90,\ 1\ hour}$	$L_{Aeq,\ t}$	$L_{A90,\ 16hours}$
07:00 – 08:00	76.0	53.1	46.0	54.7	47.0	54.2	49.0
08:00 – 09:00	81.6	53.5	48.0	55.4	49.0		
09:00 – 10:00	78.1	54.6	50.0	55.6	51.0		
10:00 – 11:00	76.4	53.6	49.0	54.7	50.0		
11:00 – 12:00	77.1	53.5	49.0	54.2	50.0		
12:00 – 13:00	71.6	53.8	50.0	54.8	51.0		
13:00 – 14:00	69.1	53.9	50.0	54.2	51.0		
14:00 – 15:00	68.7	54.0	49.0	54.2	51.0		
15:00 – 16:00	72.1	53.8	49.0	55.0	50.0		
16:00 – 17:00	69.9	53.2	49.0	54.9	49.0		
17:00 – 18:00	78.2	52.9	47.0	55.1	48.0		
18:00 – 19:00	69.4	53.1	48.0	53.8	48.0		
19:00 – 20:00	71.2	54.3	46.0	54.5	47.0		
20:00 – 21:00	77.6	49.2	41.0	53.1	43.0		
21:00 – 22:00	68.5	46.3	35.0	49.1	39.0		
22:00 – 23:00	59.0	44.0	28.0	45.7	34.0		
23:00 – 00:00	63.4	40.4	29.0	43.4	30.0	51.9	44.0
00:00 – 01:00	76.6	41.7	31.0	45.2	33.0		
01:00 – 02:00	76.2	39.8	29.0	48.7	31.0		
02:00 – 03:00	59.5	34.8	27.0	37.4	28.0		
03:00 – 04:00	61.5	40.8	28.0	42.5	29.0		
04:00 – 05:00	74.2	45.4	31.0	54.9	44.0		
05:00 – 06:00	74.6	55.5	46.0	56.2	49.0		
06:00 – 07:00	68.8	54.5	51.0	45.7	34.0		



Sound Pressure Levels, dB. Reference level of 2 x 10^{-5} Nm^{-2}

12.5 20th – 21st April 2026

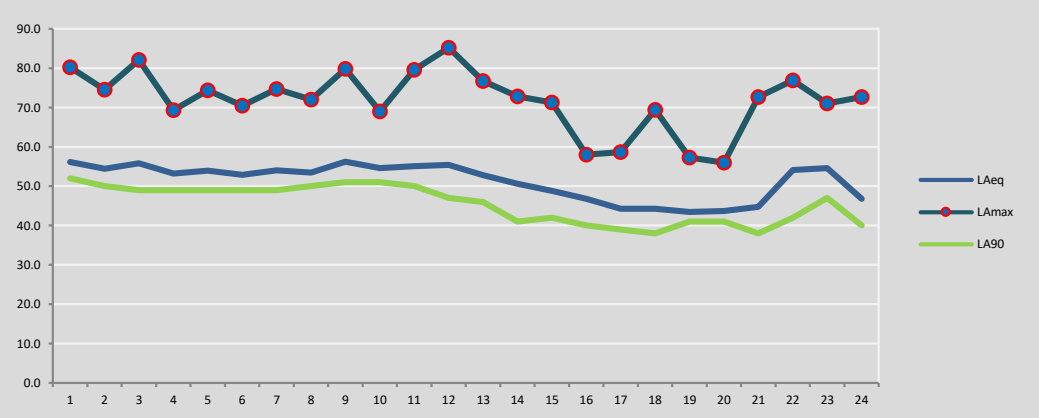
Time	L_{Max}	Minimum 15 minute		1 Hour		Day and Night	
Period		$L_{Aeq,15\ min}$	$L_{A90,\ 15\ min}$	$L_{Aeq,\ 1\ hour}$	$L_{A90,\ 1\ hour}$	$L_{Aeq,\ t}$	$L_{A90,\ 16hours}$
07:00 – 08:00	80.2	55.4	51.0	56.3	52.0	54.4	49.0
08:00 – 09:00	69.8	53.6	50.0	54.6	50.0		
09:00 – 10:00	79.6	52.1	45.0	54.4	47.0		
10:00 – 11:00	66.0	51.8	49.0	52.4	49.0		
11:00 – 12:00	75.8	50.9	45.0	53.5	48.0		
12:00 – 13:00	75.9	52.4	47.0	53.6	49.0		
13:00 – 14:00	75.4	53.3	48.0	54.3	50.0		
14:00 – 15:00	76.7	54.5	51.0	55.1	52.0		
15:00 – 16:00	76.0	54.6	51.0	55.3	52.0		
16:00 – 17:00	71.3	53.7	51.0	54.4	51.0		
17:00 – 18:00	77.0	54.1	49.0	55.7	51.0		
18:00 – 19:00	85.5	53.4	44.0	56.7	49.0		
19:00 – 20:00	67.6	52.0	40.0	53.0	41.0		
20:00 – 21:00	83.8	52.1	38.0	56.4	47.0		
21:00 – 22:00	70.2	47.8	35.0	49.7	38.0		
22:00 – 23:00	60.3	43.6	28.0	46.2	33.0		
23:00 – 00:00	63.8	41.0	27.0	44.3	29.0	51.4	44.0
00:00 – 01:00	55.3	37.2	26.0	38.4	28.0		
01:00 – 02:00	54.9	37.0	29.0	38.6	30.0		
02:00 – 03:00	66.4	39.8	29.0	43.2	29.0		
03:00 – 04:00	56.9	37.9	30.0	42.2	31.0		
04:00 – 05:00	73.7	44.9	33.0	52.9	43.0		
05:00 – 06:00	76.6	55.8	47.0	56.1	48.0		
06:00 – 07:00	77.8	54.9	49.0	46.2	33.0		



Sound Pressure Levels, dB. Reference level of 2 x 10^{-5} Nm^{-2}

12.6 21st – 22nd April 2026

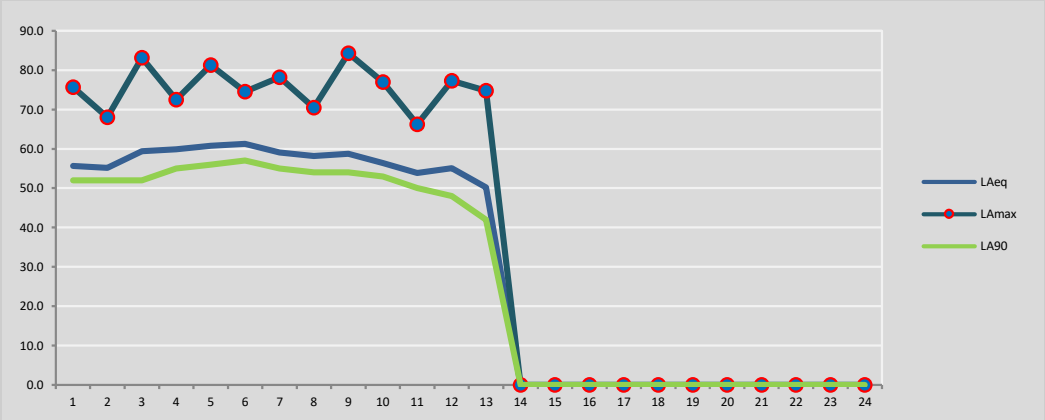
Time	L_{Max}	Minimum 15 minute		1 Hour		Day and Night	
Period		$L_{Aeq,15\ min}$	$L_{A90,\ 15\ min}$	$L_{Aeq,\ 1\ hour}$	$L_{A90,\ 1\ hour}$	$L_{Aeq,\ t}$	$L_{A90,\ 16hours}$
07:00 – 08:00	80.2	55.3	50.0	56.1	52.0	54.0	49.0
08:00 – 09:00	74.5	52.7	49.0	54.4	50.0		
09:00 – 10:00	82.1	53.0	49.0	55.8	49.0		
10:00 – 11:00	69.3	52.4	49.0	53.2	49.0		
11:00 – 12:00	74.4	52.6	48.0	53.9	49.0		
12:00 – 13:00	70.5	52.0	48.0	52.9	49.0		
13:00 – 14:00	74.7	52.9	48.0	54.0	49.0		
14:00 – 15:00	72.0	52.9	50.0	53.5	50.0		
15:00 – 16:00	79.8	53.4	51.0	56.2	51.0		
16:00 – 17:00	69.0	53.7	51.0	54.6	51.0		
17:00 – 18:00	79.6	52.8	49.0	55.1	50.0		
18:00 – 19:00	85.2	52.2	46.0	55.4	47.0		
19:00 – 20:00	76.7	51.4	44.0	52.8	46.0		
20:00 – 21:00	72.8	48.2	40.0	50.6	41.0		
21:00 – 22:00	71.3	47.5	41.0	48.9	42.0		
22:00 – 23:00	58.0	45.7	40.0	46.8	40.0		
23:00 – 00:00	58.7	42.8	38.0	44.3	39.0	51.0	44.0
00:00 – 01:00	69.4	41.0	37.0	44.3	38.0		
01:00 – 02:00	57.3	41.8	39.0	43.4	41.0		
02:00 – 03:00	56.0	41.9	40.0	43.6	41.0		
03:00 – 04:00	72.7	41.5	37.0	44.7	38.0		
04:00 – 05:00	76.9	46.6	38.0	54.1	42.0		
05:00 – 06:00	71.0	53.1	46.0	54.6	47.0		
06:00 – 07:00	72.7	54.6	48.0	46.8	40.0		



Sound Pressure Levels, dB. Reference level of 2 x 10^{-5} Nm^{-2}

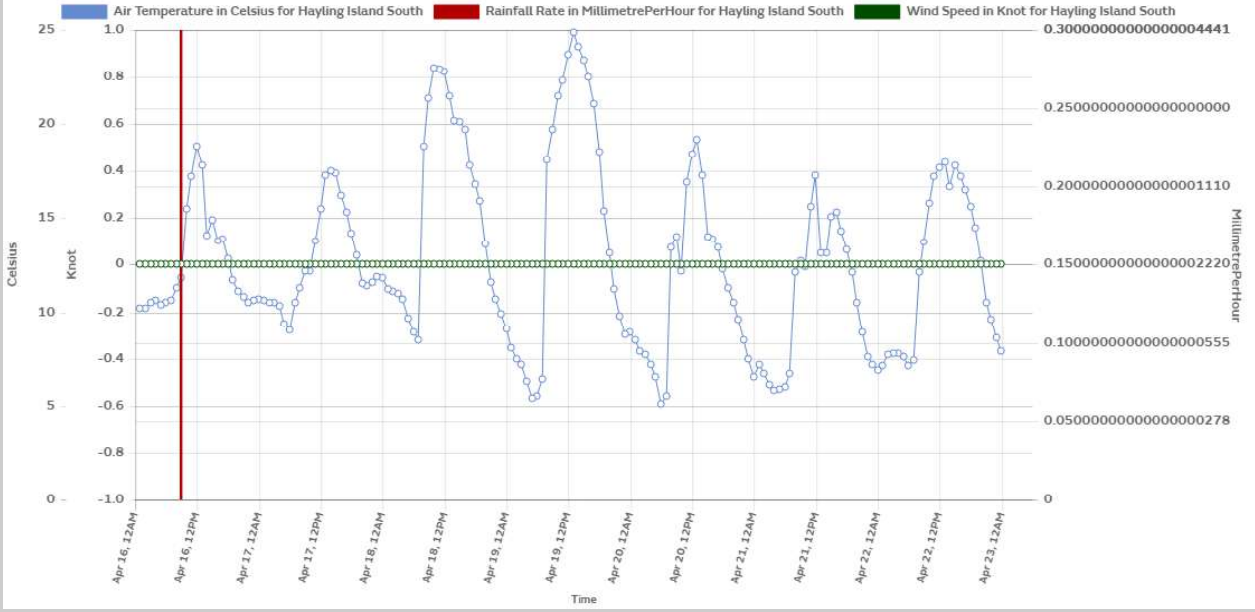
12.7 22nd April 2026

Time	L_{Max}	Minimum 15 minute		1 Hour		Day and Night	
Period		$L_{Aeq,15\ min}$	$L_{A90,\ 15\ min}$	$L_{Aeq,\ 1\ hour}$	$L_{A90,\ 1\ hour}$	$L_{Aeq,\ t}$	$L_{A90,\ 16hours}$
07:00 – 08:00	75.7	54.6	51.0	55.7	52.0	57.2	53.0
08:00 – 09:00	68.0	54.7	52.0	55.2	52.0		
09:00 – 10:00	83.2	54.4	50.0	59.4	52.0		
10:00 – 11:00	72.5	58.5	55.0	59.9	55.0		
11:00 – 12:00	81.3	60.4	56.0	60.8	56.0		
12:00 – 13:00	74.5	60.8	56.0	61.2	57.0		
13:00 – 14:00	78.2	57.7	54.0	59.1	55.0		
14:00 – 15:00	70.5	57.8	54.0	58.2	54.0		
15:00 – 16:00	84.3	57.3	54.0	58.7	54.0		
16:00 – 17:00	77.0	55.4	52.0	56.4	53.0		
17:00 – 18:00	66.2	52.8	49.0	53.8	50.0		
18:00 – 19:00	77.3	53.0	47.0	55.1	48.0		
19:00 – 20:00	74.8	50.3	0.0	50.2	42.0		
20:00 – 21:00	0.0	0.0	0.0	0.0	0.0		
21:00 – 22:00	0.0	0.0	0.0	0.0	0.0		
22:00 – 23:00	0.0	0.0	0.0	0.0	0.0		
23:00 – 00:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
00:00 – 01:00	0.0	0.0	0.0	0.0	0.0		
01:00 – 02:00	0.0	0.0	0.0	0.0	0.0		
02:00 – 03:00	0.0	0.0	0.0	0.0	0.0		
03:00 – 04:00	0.0	0.0	0.0	0.0	0.0		
04:00 – 05:00	0.0	0.0	0.0	0.0	0.0		
05:00 – 06:00	0.0	0.0	0.0	0.0	0.0		
06:00 – 07:00	0.0	0.0	0.0	0.0	0.0		



Sound Pressure Levels, dB. Reference level of 2 x 10^{-5} Nm^{-2}

13 APPENDIX B – WEATHER CONDITIONS



16th – 22nd April 2026

14 APPENDIX D – BS 4142:2019+A1:2019 INFORMATION

In accordance with BS 4142:2014:A1:2019, section 12, the following information is provided.

14.1 Site Status

Site Attended By	Mr I. Broom a_{MIOA}
Baseline Measurements Conducted by	Mr I. Broom a_{MIOA}
Site Source Measurements Conducted By	Mr I. Broom a_{MIOA}

14.2 Measurement Information – Location 1

Details & Justification	Measurement position 1 was located at the rear of the existing premises, representative of the Nearest Nosie Sensitive Premises
Height from Ground	1.5m
Reflective Surfaces	None (Free Field)
Distance to NSP	218m NSP1 & 75m NSP2
Distance to Source	87m to MOT Bay & 135m to Padel Tennis Courts
Topographical Change (m)	None
Ground between Source and Receiver	Mainly Soft Ground
Windshield Information	Norsonic Outdoor Microphone Protection Kit Model No: 1212
Distance from Proposed Source to Receiver	178m to NSP 1 & 141m to NSP2 MOT Bay 213m to NSP 1 & 196m to NSP2 Padel Tennis Courts
NSP* - Noise Sensitive Premises	

END OF REPORT