

APPLICATION No: 19/00020/PREMTR

IN THE MATTER OF THE PLOUGH INN, GREAT BENTLEY

APPLICATION TO VARY PREMISES LICENCE

**LICENSING COMMITTEE TENDRING DISTRICT COUNCIL: 7TH NOVEMBER
2019**

APPLICANT'S BUNDLE

THOMSON SMITH AND PUXON, Solicitors
STABLE 6,
STABLE ROAD,
COLCHESTER CO2 7GL
01206 574431
Email: richard.porter@tsplegal.com

IN THE MATTER OF THE PLOUGH INN

STATEMENT OF DEEPAK PATEL

I Deepak Patel of Vancouver, Shair Lane, Tendring, Clacton on Sea, Essex, CO16 9AE will say as follows:

1. I am an experienced licensee having held the justices licence for the Tom Pepper Public House in Clacton in the early 1990s and having held licenses for a number of convenience stores and supermarkets since then. I am familiar with licensing laws and obligations.
2. I have a business background. Until my heart transplant in 2012 I ran a chain of Budgens supermarkets and a chain of Pharmacies. I suffered from a serious heart condition in 2012 necessitating a heart transplant at the Papworth Hospital. Following my heart transplant I sold all my businesses and concentrated on recovering.
3. I am now substantially recovered and I have gone back into business. I have purchased a number of care homes and at the end of 2018 I purchased The Plough Public House in Great Bentley.
4. If I had not bought The Plough and if it had not been turned around it would have had to close. The village would then have been without a pub. I saw it as an interesting and challenging project and I was determined to make a success of it.
5. I have an office at the back of The Plough from where I run my other businesses. I am on the premises for four or five hours every day.

6. When I bought The Plough I asked Alison Reed to become the pub manager. Alison is a very sensible, level headed manager in whom I have absolute confidence. I am always available if she has any questions.
7. Having purchased The Plough I invested about £400,000 in the premises for refurbishment. The refurbishment included the new extension which is highly insulated.
8. This application is to incorporate the car park and the rear garden into the premises licence (subject to the limitations set out below) and to vary the premises licence to permit the playing of live music on Fridays and Saturdays from 14:00 to midnight and on Sundays from 14:00 to 21:00.
9. The pub is open until 01:30 on Fridays and Saturdays and until 00:30 on Sundays. It is already licensed for the performance of recorded music until 01:00am on Fridays and Saturdays and until midnight on Sundays.
10. The HA Acoustics report dated 28th October 2019 (exhibited in the Applicant's documents bundle) states:

4.11. It is understood that the application is for an extension of live music to be operational until 00:00 (currently live music is stopped at 23:00 hours). It is understood, that this extension to time would bring live music cessation, in-line with the venue's recorded (DJ) music, which is permitted to stop at 00:00, midnight.

4.12. It is not clear, why the local authority, did not permit live music to continue to midnight, when they permitted amplified music too; as typically the speech and music spectral components are very similar in nature, and are thought to attract similar numbers of patrons.

In fact the author of the report was mistaken when she said that the premises was licenced for recorded music until midnight. In fact the premises is licenced for recorded music until 0100. The proposed variation does not seek to extend the hours for which the playing of music is licenced; it simply seeks to permit the playing of live music to end one hour before the time currently licenced for the playing of recorded music. As is clear from HA Acoustic's report the quality of the music and the number of patrons attracted will be virtually the same. It is unlikely that the variation will have any outward effect.

11. I am making this application to respond to customer demand. Customers enjoy our live music events and expect bands to be able to play until midnight. Please see the letters in support and the petition. Customers feel short changed if a band finishes at 10.40pm which is now necessary if an encore is to finish by 11.00pm. There is a general expectation that bands can play until midnight. Customers cannot understand why we are permitted to operate a disco until 0100am (ie for two hours after the band finishes), but we are not permitted to allow the band to play beyond 11.00am. This application is to introduce a rational balance to our licensing arrangements. The application is supported by a number of local residents who have written letters and signed a petition. I exhibit copies in our bundle.

12. I am troubled and concerned by some of the comments made by the objectors and I wish that they had come to see me at a much earlier stage to discuss the issues they have raised in their letters.

13. I note that the neighbour's issues largely relate to afternoon and early evening activities in the pub garden. There is some reference to music after midnight. This cannot have been live music as all our live music ceases at 11.00pm. This is a noise management issue which we have addressed in our Noise Management Plan which, since implementation (in concept) has been successful.

14. Noise monitoring

Throughout the year my manager, Alison Reed, has monitored sound emissions from events by going to the boundaries and forming a view as to whether or not the volume of noise emanating from the pub is likely to disturb the neighbours. If she took the view that the sound was likely to disturb the neighbours she spoke to the entertainers.

15. We have now improved our monitoring resources by investing in a noise monitoring device. It is a "Sound Level Meter: METERK 30-130 dBA" noise meter. I purchased it in early October 2019 and Alison operates it.

16. On Sunday 6 October we had an Elton John tribute act which started at 4.00pm and finished at 7.00pm. Alison used the noise monitoring device on the left hand

boundary and the right hand boundary of our premises. The left hand boundary measured 67.7 decibels and the right hand boundary measured 65 decibels. We did not have any complaints.

17. I am aware from HSE guidance (copy enclosed in the bundle) that 70 decibels is the equivalent of soft radio music in the home.
18. We have revised the Plough's Noise Management Plan to take into account HA Acoustic's report dated 28th October 2019. In order to ensure that the nearest premises does not experience sound levels above 38 decibels (dB) (the typical background noise level absent abnormal noise), we shall apply a Sound Limiter to restrict electronic sound emissions within the Premises to a cap of 82dB's (or such other level as may be recommended by the acoustician after calibration and installation). We will also undertake the further steps and measures we have set out in the Noise Management.
19. Insofar as live music in the garden is concerned I note from HA Acoustic's report that the ambient noise level in the external areal during opening hours, which is considered to be normal for the site location, is 76dB (paragraph 5.3). I am therefore proposing to use our sound meter to ensure that noise levels at the perimeter of neighbouring properties does not exceed 76 decibels (dB) on those four occasions per year when we have a live music event in our pub garden. It will be remembered that there is to be no live music in the garden beyond 1900 and no recorded music at all;
20. We have also revised the Plough's Noise Management Plan taking into account the representations made by Environmental Health in Katie Smith's email of 25th September. For the avoidance of doubt the concerns and our responses are as follows:
 - 20.1 Where the Council's measurements of distances to the nearest noise sensitive buildings and our measurements are in conflict, we are happy to accept the Council's measurements. The important issue is the sound that reaches the perimeter of the noise sensitive properties. I know that our Elton John tribute act Sunday 6 October when we did not have any complaints shows that events can be run at the Plough within acceptable parameters and I am confident that we can contain the sound emanating from the premises to this level, going forward.

IN THE MATTER OF THE PLOUGH INN

STATEMENT OF ALISON REED

I Alison Reed of The Plough Inn, Plough Road, Great Bentley, CO7 8LA will say as follows:-

1. I am the Manager of The Plough Public House in Great Bentley. The designated premises supervisor is Mr Deepak Patel who purchased the pub at the end of November 2018.
2. Prior to Mr Patel purchasing the pub in November 2018, it had been allowed to deteriorate over a long period of time. The décor was shabby and there was an issue regarding the alleged use of illegal drugs.
3. When Mr Patel purchased the property and employed me to manage the pub he wanted to turn the pub round and to create a welcoming environment for local people. He was very conscious that Great Bentley is a community and he wanted to develop the pub as a community facility.
4. Mr Patel undertook a complete refurbishment of the pub starting on 2 January 2019 and ending in July 2019. A rear extension was built; the bar was replaced; the toilets were upgraded (to remove all flat surfaces and therefore opportunities for drug use); the carpets were removed and the premises was completely redecorated. A great deal of work was undertaken externally including the construction of a proper car park, the building of a new brick wall and general refreshment.
5. The rear extension is built to the highest specifications. The walls are thick and well insulated, the bi-fold garden door is double glazed and the roof light is triple glazed.
6. One of many beneficial outcomes from the refurbishment is the creation of a full restaurant area offering 30 covers.

7. We have been particularly focussed on eradicating drug use from the premises and to attract the right type of clientele. We have been very successful in eradicating drugs. Anyone suspected of drug use has been banned for life and a new, better class of clientele, has begun using the pub and the restaurant. I am confident that the Plough is not now frequented by drug users.
8. I worked in the pub before the refurbishment. Before the rear extension was built the pub used to have discos and bands in the front saloon bar area.
9. The pub is in a conservation area and has single glass windows at the front. Following the refurbishment, when we have had musical entertainment, we have placed the disco or the band in the extension. The extension is very well insulated from a noise escape perspective.
10. In addition to live and recorded music and dancing we also provide the following community activities:

Charity Quiz Nights
Local Pool Team games
Local Darts Team games

11. I exhibit the Blue Notice that I placed in a window on the premises in a place where it could conveniently be read by members of the Public. I exhibited the Blue Notice in the window from 28th August until it was removed on 2nd October 2019.
12. I also produce a schedule of all the events we have put on during 2019. I have been through the letters of objection to the application and I respond to them as follows:-

21 June 2019

This was the Andy Robinson band. We did not have any complaints during the course of the evening, but I was concerned about the volume and I asked them on two occasions to moderate the sound. The band played through until 11.00pm when it stopped. Due to the band's disappointing response to the concerns I had raised we have not booked them again.

23 June 2019

This was a Sunday afternoon birthday party in the pub's garden. A disco had been booked and was playing inside the pub.

On this occasion, in the early evening, we received a call from a neighbour. The call went through to the kitchen which was unmanned after 7.00pm. As it happened, Mr Patel was walking past the kitchen and took the call. He then told me that there had been a complaint and that he had apologised. In response, we brought everyone inside and closed the doors. We asked the DJ to let it be known that if people left the doors open we would have to stop the music. We monitored the doors to make sure that they were kept closed at all times. The recorded music was not particularly loud. My own opinion was that the sound of the conversation was probably more intrusive than the sound of the music.

It is worth noting that there were no complaints on 29 June 2019 which was carnival day. We had the East Coast Shakers in our car park and a solo singer at 8.00pm. There were no complaints on that occasion.

6 July 2019

The complaint relating to this day was not about live music. The complaint focuses on children in the pub garden playing football. There were no complaints on the day. As a matter of routine, if we have unruly children I tend to speak to their parents. We have signs up all over the premises saying "no ball games" and other signs saying that parents are responsible for their children.

27 July 2019

We had booked a band called Stone Shuffle Jones. This was a five piece band. I was conscious that it was loud and I therefore kept the rear doors closed and asked smokers to smoke in the front of the building. I carefully monitored the doors and tried to ensure that people remained in the building. The pub was full and patrons who sang along with the band. I readily accept that this act was too loud and not suitable for The Plough. We have not booked them since.

Sunday 25 August 2019

This was an annual charity function arranged by Mr Patel to raise money for the Papworth Hospital. Mr Patel arranges a fundraising function every year since his heart transplant. We had a single female performer in the garden playing the guitar and singing. We had a barbecue in the garden and the garden was full of customers. We held an auction and a raffle. The event was not a late event and we received no complaints or calls.

30 August 2019

This was a 40th birthday party for a local lady. The entertainment was a live disco; and not live music. We received a telephone call at 10.30pm to complain about the noise. The male caller said that he had lived in the area for 31 years and had never known anything like it. I asked the DJ to turn the music down. I think the issue was that people were singing along with the music. On this occasion the pub was nearly empty by 11.30pm. The music finished at midnight and we were cleaned up and closed down by 1.00am.

Sunday 1 September

We had a solo singer performing on this date. There were no complaints. The music was not loud.

Staff at The Plough

The Plough at Great Bentley employs 15 people, two of which are cleaners. Seven of our employees live in the village. There are no other pubs in the village.

13. Demand

We do not provide live or recorded music nightly. We probably hold one event a week. I see from the letters of objection that only a very small number have caused issues. (It must be remembered that we are still learning – our knowledge and understanding and systems are improving every time). This is part of our role as a community pub. We aim to provide something for all tastes. On a recent Saturday when there was no entertainment we had only four customers and by 10.30pm this had reduced to two customers. The pub would not be viable on this basis. When we hold a function we will often have over 100 people. This demonstrates that there is a

demand. We also depend on these evenings for financial viability. It is not viable to keep a public house open for only two customers.

14. Noise monitoring

Throughout the year I have monitored sound emissions from events by going to the boundaries and forming a view as to whether or not the volume of noise emanating from the pub is likely to disturb the neighbours. If I feel that it is likely to disturb the neighbours I take action by speaking to the entertainers. We have now improved our monitoring resources by investing in a noise monitoring device. It is a "Sound Level Meter: METERK 30-130 dBA" noise meter. This arrived in early October 2019 and I have familiarised myself with it. On Sunday 6 October we had an Elton John tribute act which started at 4.00pm and finished at 7.00pm. I used the noise monitoring device on the left hand boundary and the right hand boundary of our premises. The left hand boundary measured 67.7 decibels and the right hand boundary measured 65 decibels. We did not have any complaints.

15. I worked with Mr Patel in the development of the Plough's Noise Management Plan which was sent out for consultation with this application. I am familiar with the final version and I am comfortable that it is a workable plan that my team and I will be able to implement.

16. In preparing the final version we revised the Plough's Noise Management Plan to take into account HA Acoustic's report dated 28th October 2019. In order to ensure that the nearest premises does not experience sound levels above 38 decibels (dB) (the typical background noise level absent abnormal noise), we shall apply a Sound Limiter to electronic equipment to restrict electronic sound emissions within the Premises to a cap of 82dB's (or such other level as may be recommended by the acoustician after calibration and installation). We will also undertake the further steps and measures we have set out in the Noise Management Plan.

17. Insofar as live music in the garden is concerned we noted from HA Acoustic's report that the ambient noise level in the external areal during opening hours, which is considered to be normal for the site location, is 76dB (paragraph 5.3). We are therefore proposing to use our sound meter to ensure that noise levels at the perimeter

of neighbouring properties does not exceed 76 decibels (dB) on those four occasions per year when we have a live music event in our pub garden. It will be remembered that there is to be no live music in the garden beyond 1900 and no recorded music at all;

18. We have also revised the Plough's Noise Management Plan taking into account the representations made by Environmental Health in Katie Smith's email of 25th September. For the avoidance of doubt the concerns and our responses are as follows:

17.1 Where the Council's measurements of distances to the nearest noise sensitive buildings and our measurements are in conflict, we are happy to accept the Council's measurements. The important issue is the sound that reaches the perimeter of the noise sensitive properties. I know that our Elton John tribute act Sunday 6 October produced sound that we measured on the left hand boundary at 67.7 dB's and on the right hand boundary as 65 dB's. This is less than the sound of a soft radio playing in a home (according to the HSE). We did not have any complaints. I am therefore confident that we can contain the sound emanating from the premises by using all the techniques in the Noise Management Plan.

17.2 External Area: I can confirm:

17.2.1 There will be no live music in the garden beyond 1900 and no recorded music at all;

17.2.2 Live music will not be performed in the garden on more than 4 occasions per year;

17.2.3 The garden area will not be used beyond the later of dusk or 2100;

17.2.4 If this policy result in our patrons using the front area of the premises for fresh air, smoking etc we will monitor noise levels and behaviour, issue warnings as appropriate and if the behaviour persists or is repeated we will exclude people from the pub.

17.3 We cannot provide information about the type of equipment used by our live or recorded entertainers as they bring their own equipment and it differs.

17.4 The entertainment now always takes place in our new rear extension and the entertainers place their equipment to the right of the bar, with the direction of sound and the speakers (for both recorded and live music) facing towards the bar.

18 We are planning to install air conditioning early next year and I understand Mr Patel has placed this in the budget for February / March 2020. The installation of air conditioning will overcome the need or inclination to open the extension's bi-fold windows for air during performances of live or recorded music. Our NMP now these doors to be kept closed during music events. My staff and I will monitor and police this rule.

Dated:

Signed:

ALISON REED

Events/ Diary Dates for Entertainment 2019

January

19th – Disco

26th – Sax and The Voice

February

9th – Andrew Robinson Band

March

16th – Mark Jacobs

April

13th – Stone Shuffle Jones

20th – Gary Gee

May

4th – Chris Wren

18th – Soul Selection

25th – Disco (50th Birthday Party)

June

1st – Sax and The Voice

9th – JD

21st – Andy Robinson Band

23rd – Disco (50th Birthday Party)

29th – East Coast Shakers/Iri J

July

13th – Mark Jacobs

21st – Iri J

27th – Stone Shuffle Jones

August

3rd – Sax and The Voice

4th – Iri J

10th – Red Hot Radiators

24th – Disco/Karaoke

25th – Papworth Charity Event

30th – Disco/Karaoke – 40th Birthday Party

September

1st – JD

14th – Stiff in The Morning

28th – Don't Fret

October

6th – Elton John Tribute Act

12th – Sax and The Voice

18th – Disco – 18th Birthday Party

26th – Sabrina Summer

November

2nd – Retro

10th – JD

23rd – Disco/Karaoke

30th – Disco – 40th Birthday Party

December

6th – Disco – Christmas Party

21st – Pop Gun

22nd – JD

24th – Iri J/Sax and The Voice

LICENSING ACT 2003

An application has been submitted to TENDRING DISTRICT COUNCIL as the LICENSING AUTHORITY for the TENDRING DISTRICT as follows:-

Type of Application:	PREMISES VARIATION
Name of Applicant:	PLOUGH GREAT BENTLEY LTD
Premises:	19/00020/PREMTR (The Plough)
Address of Premises:	PLOUGH ROAD GREAT BENTLEY ESSEX CO7 8LA
Type of Activity to be licensed	
	CAR PARK + REAR GARDEN TO BE INCLUDED IN PREMISES LICENCE. VARIATION TO LIVE MUSIC TIMES. FRIDAYS - 14:00 - 00:00 SATURDAYS - 14:00 - 00:00 SUNDAYS - 14:00 - 21:00

Any person wishing to lodge a representation concerning this application may send this, in writing, to Tendring District Council, Licensing Section, 88-90 Pier Avenue, Clacton on Sea, Essex CO15 1TN or deliver this personally to the Council Offices at 88-90 Pier Avenue, Clacton on Sea where the Public Register is available and may be viewed during normal office hours.

Any such representation must be received by the Licensing Authority by the following date: ...27.10.2019...

Please note that it is an offence knowingly or recklessly to make a false statement in connection with an application and there is a maximum fine of £5,000 for which a person is liable on summary conviction for the offence

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*Source: Touchstone Data, number of equity release plans Jan-Sept 2018

Age Partnership Limited is authorised and regulated by the Financial Conduct Authority, FCA registered number 425432. Company address: Age Partnership Limited, 2200 Century Way, Thorpe Park, Leeds, LS15 8ZB.

Public Notices

Goods Vehicle Operator's Licence

Total Waste Management Ltd of Hovefields Avenue, Basildon SS13 1EB is applying to change an existing licence as follows: To add an operating centre to keep 2 goods vehicles and 2 trailers at PRM Commercial Blue Barn Garage, Old Ipswich Road, Ardleigh, Colchester CO7 7QL. Owners or occupiers of land (including buildings) near the operating centre(s), who believe that their use or enjoyment of that land would be affected, should make written representations to the Traffic Commissioner at Hillcrest House, 386 Harehills Lane, Leeds LS9 6NF, stating their reasons, within 21 days of this notice. Representatives must at the same time send a copy of their representations to the applicant at the address given at the top of this notice. A guide to making representations is available from the Traffic Commissioner's Office.

Licensing Act 2003 Section 17(5)

Notice is hereby given that Xiaming Gu has applied in respect of the Hsinking restaurant, 47 Sir Isaac Walk CO1 1JJ, for a Premises Licence under the Licensing Act 2003 to allow for: Sale of Alcohol, Tuesday to Sunday 11:00 to 20:00. Representations to this application must be made in writing, by 04/10/2019, to the Licensing Authority, Colchester Borough Council, PO Box 889, Rowan House, 33 Sheepen Road, Colchester, CO3 3WG. The register of licensing applications can be inspected between 9am and 5pm Monday to Friday at the offices of Colchester Borough Council, 33 Sheepen Road Colchester or online <http://www.colchester.gov.uk/licensingregister>. It is an offence on summary conviction, to knowingly or recklessly make a false statement in connection with this application, the maximum fine for which is £5000.

Call **01268 533933** to promote your business here

LICENSING ACT 2003

TAKE NOTICE that Plough Great Bentley Ltd has applied to Tendring District Council as the Licensing Authority for the Tendring District for the grant of a Club Premises Certificate in respect of The Plough, situate at Plough Road, Great Bentley, Essex CO7 8LA to permit the licensable activities to take place on the occasions and times a set out below:- Car park and Rear Garden to be included in Premises Licence. Variation to Live Music Times - Fridays and Saturdays 14:00 - 00:00, Sunday 14:00 - 21:00. Any person wishing to lodge a representation concerning this application may send this, in writing to Tendring District Council, Licensing Section, 88-90 Pier Avenue, Clacton on Sea, Essex CO15 1TN or deliver this personally to the Council Offices at 88-90 Pier Avenue, Clacton on Sea where the Public Register is available and may be viewed during normal working hours. Any such representations must be received by the Licensing Authority no later than 27/09/2019. Please note that it is an offence knowingly or recklessly to make a false statement in connection with an application on there is a maximum fine of £5000 for which a person is liable on summary conviction for the offence.

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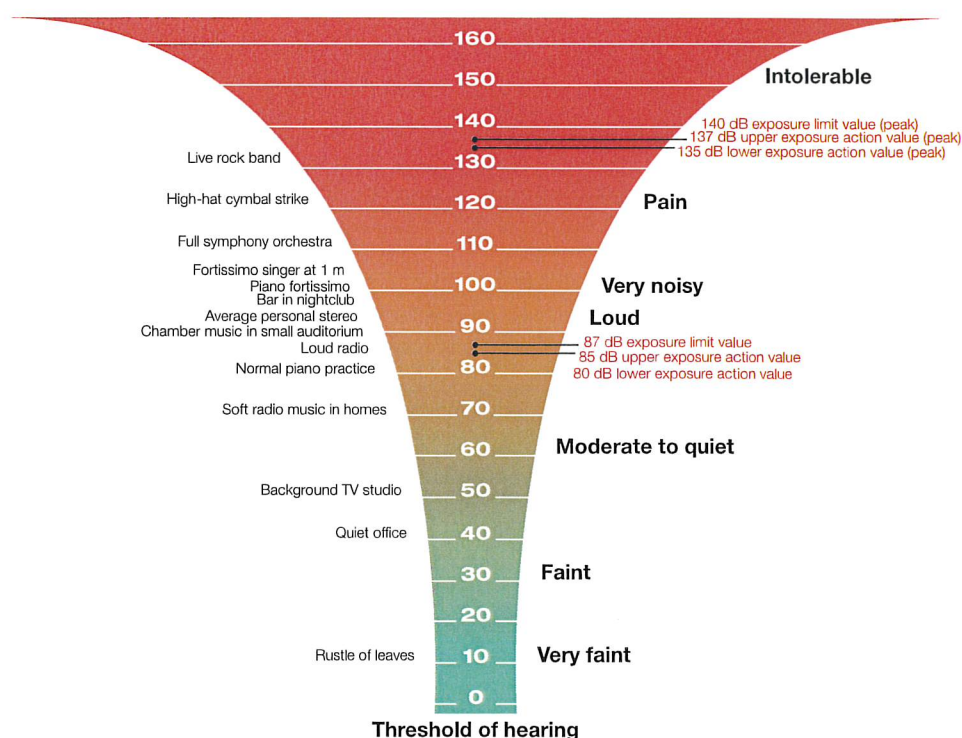


Figure 1 Typical noise levels in decibels

Noise action and limit values

14 The Noise Regulations require employers to take specific action at certain action values. These relate to:

- the levels of exposure to noise of employees averaged over a working day or week; and
- the maximum noise (peak sound pressure) to which employees are exposed in a working day.

15 The values are:

- lower exposure action values (LEAV):
 - daily or weekly exposure of 80 dB;
 - peak sound pressure of 135 dB;
- upper exposure action values (UEAV):
 - daily or weekly exposure of 85 dB;
 - peak sound pressure of 137 dB.

16 There are also levels of noise exposure which must not be exceeded (but take account of any reduction in exposure provided by hearing protection):

- exposure limit values (ELV):
 - daily or weekly exposure of 87 dB;
 - peak sound pressure of 140 dB.

DOCUMENT REFERENCE: HA/AB697/V1

NOISE IMPACT ASSESSMENT

THE PLOUGH INN, PLOUGH ROAD, GREAT
BENTLEY, COLCHESTER, ESSEX CO7 8LA





HA/AB697/V1
28 October 2019

Our Ref HA/AB697/V1
Site Address The Plough Inn, Plough Road, Great Bentley, Colchester, Essex CO7 8LA
For Mr Deepak Patel (Dees Group)
Client Address The Plough Inn, Plough Road, Great Bentley, Colchester, Essex CO7 8LA
Date of Report 28 October 2019
Author Miss Josie Nixon MSc BA (Hons) AMIOA
Checked by Mr Stuart J G Nixon MSc BSc (Hons) MIOA MCIEH



Healthy Abode Ltd
Company No. 07429355 (England & Wales)
Office Address: Healthy Abode, Office F9, Allen House Business Centre, The Maltings, Station Road, Sawbridgeworth, Essex CM21 9JX
Registered Business Address: Abacus House. 68a North Street, Romford, London, RM1 1DA
E-mail: info@HA-acoustics.co.uk
Website: www.HA-acoustics.co.uk
Telephone: (Chelmsford) 01245 206 250

This report has been prepared by Healthy Abode Limited t/a HA Acoustics with all reasonable expertise, care and diligence. The survey and report has been undertaken in accordance with accepted acoustic consultancy principles, it takes account of the services and terms and conditions agreed verbally and in writing between HA Acoustics and our client. Any information provided by third parties and referenced is considered to have undergone suitably thorough third-party checks to ensure accuracy. We can accept no liability for errors with a third-party data. This report is confidential to our client and therefore HA Acoustics accepts no responsibility whatsoever to third parties unless formally agreed in writing by HA Acoustics. Any such party relies upon the report at their own risk.

EXECUTIVE SUMMARY

- Mr Deepak Patel on behalf of Dees Group instructed Healthy Abode Ltd t/a as HA Acoustics to undertake a noise impact assessment for the proposed extension of live music operating hours at The Plough Inn Public House, Plough Road, Great Bentley, Colchester, Essex CO7 8LA.
- HA Acoustics has undertaken an environmental noise survey at the site in order to determine prevailing background noise levels that are representative of the nearest noise sensitive receptors (NSR). The nearest NSR to The Plough Public House is a residential premises located approximately 30 meters to the south-west. NSR2 is located approximately 37 meters from the Public House, to the front of the site (west). NSR3 is located approximately 40 meters from the Public House to the rear (east).
- A baseline noise survey and assessment has been undertaken in line with the guidance contained in BS 4142:2014, measurements being taken over continuous 5-minute periods. For robustness, the boundary of the quietest NSR location was chosen for monitoring, this was to the rear of the site, close to NSR2&3, and away from the influence of road traffic.
- The unattended survey was conducted on Friday 18th October 2019 – Monday 21st October 2019, at 2 fixed monitoring points; one position, located internally within the Public House, near to the bar, representative of noise levels in close proximity to the Live band/DJ. The second noise monitoring position was external to the rear of the site.
- The Public House existing operational hours are understood to be:
 - Monday – Thursday: 11:30-23:30
 - Friday – Saturday: 11:30-01:00
 - Sunday: 11:30 – 00:00
- It is understood that the clients proposal is to extend the licensing hours of operation for live music from 23:00 to 00:00 hours Friday and Saturdays.
- The typical background noise level has been calculated as:
 - Daytime 44dB L_{A90} (07:00–23:00)
 - Nighttime 41dB L_{A90} (23:00-07:00)
 - PH Open, Operational hours 62dB L_{A90} (operational hours)
 - PH Closed, (non-operational hours) 41dB L_{A90} (non-operational hours)
 - **Noise criteria, 23:00-00:00 38dB L_{A90} (23:00-00:00) *Saturday and Sunday night)**

- Noise calculations of the proposed extended hours been undertaken using all available details and plans provided by the client and obtaining manufacturers' specifications. The resultant sound pressure level, without mitigation has been calculated at the NSR1 at 42dBA.
- Therefore, this report recommends physical mitigation is incorporated, an electronic noise limiter device through which all amplified/live music must be played. It is recommended that once installed, the electronic noise limiter is calibrated by an appropriately qualified acoustician. The resultant sound pressure level, with mitigation incorporated shall need to achieve a resultant sound pressure level, at the NSR1 at ≤ 38 dBA. It has been predicted that with an electronic noise limiter, capping amplified music noise levels it is capable of achieving the noise criteria, whilst permitting acceptable internal live music ambience.
- In accordance with National Planning Policy Framework guidance, the noise impact from the operation for the extended licensing hours, currently is a '**Low observed adverse effect level**' with the mitigation as stated herein, it is predicted to become a '**No observed effect level**' at the NSR's.

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Appendices

Appendix A – Site Location and Monitoring Positions

Appendix B – Noise Survey Results and Time History

Appendix C – Site Drawings

Appendix D – Acoustic Calculations

1. INTRODUCTION

- 1.1. Mr Deepak Patel on behalf of Dee's Group instructed Healthy Abode Ltd t/a HA Acoustics to undertake a noise impact assessment at The Plough Inn, Plough Road, Great Bentley, Colchester, Essex CO78LA for submission as part of documentation to be provided to the Local Authority, Tendring District Council.

- 1.2. The Plough Inn, Plough Road, Great Bentley, Colchester, Essex CO78LA is proposing to extend its licensed live music operation hours to 00:00 hours on Thursday and Friday nights, the noise from which could have the potential to affect existing noise sensitive properties nearby.

- 1.3. The purposes of this report are:
 - 1.3.1. To determine prevailing environmental noise levels affecting surrounding properties due to nearby noise sources (e.g. road traffic, commercial plant etc.);

 - 1.3.2. Based on the above, to present noise emission limits in accordance with the requirements of National Planning Policy Framework 2019, and

 - 1.3.3. To undertake an assessment to demonstrate compliance with the Local Authority noise requirements.

2. SITE DESCRIPTION

- 2.1 The Plough Inn, Plough Road, Great Bentley, Colchester, Essex CO7 8LA (hereafter referred to as 'the site') is a commercial Public House premises, serving food, alcohol, with a license for live and amplified music. The premises is operational between; 11:30 – 23:20 Monday Thursday, 23:30 – 13:00 Friday & Saturday, 23:30 – 00:00 Sunday night.
- 2.2 The Plough Inn is situated within a village, Great Bentley. The site is located on the corner of Plough Road and Station Road. Located to the north is the village Green with Cricket square and Football nets. Situated to the east south and west are mainly residential premises. There is a Tesco Express located 50m to the south. Great Bentley Train station is approximately 150m from the site to the south, with links between Wivenhoe and Weeley.
- 2.3 The nearest noise sensitive receptor (NSR) located to the site is noted to be a residential premises located approximately 30 meters from the Public House to the south-west. NSR2 is located approximately 37 meters from the plough to the front of the site (west). NSR3 is located approximately 40 meters from the Public House to the rear (east). It can be confidently assumed that if the noise impact assessment indicates that the specific sound source has a low impact at this premises then it can be safely assumed it will be met at other properties of equal distance and/or those further away.
- 2.4 At the time of installation and collection of the monitoring equipment, the dominant noise sources emanated from road traffic, overhead airplane movements and rail noise along with some commercial and residential activity noise. These noise sources are considered normal to the site location. No significant abnormal noise sources were identifiable. It is considered that the measured noise levels are reasonable given the location of the measurement position.

3. ENVIRONMENTAL NOISE SURVEY METHODOLOGY

3.1 An unmanned environmental noise survey was undertaken at two measurement locations; one was situated internally, and the second located outside to the rear of the site. The survey was undertaken between 16:00 hours on Friday 18th October 2019 and 14:00 hours on Monday 21st October 2019.

3.2 The **internal** sound level meter (SLM) was mounted approximately 1.5 metres above ground level near the bar. The SLM was positioned approximately 1 metres from the façade. The position is not considered to be ‘free-field’; therefore acoustic corrections of -3dB have been applied to the measurements.

3.3 The **external** sound level meter (SLM) was mounted approximately 2 metres above ground level to the rear of the pub garden. The SLM was positioned close to the rear fence. This position is not considered to be ‘free-field’ therefore acoustic corrections of -3dB have been applied to the measurements.

3.4 The positions are considered to be representative of background noise levels at the nearest identified NSR and of the internal ambient levels. The monitoring positions are identified in Appendix A.

3.5 The equipment used for the noise survey is summarised in Table 3.1.

Equipment	Description	Quantity	Serial Number
Larson Davis LxT SE	Class 1 automated logging sound level meter	1	0004960
377B02 microphone	Class 1 ½" microphone	1	168839
Svantek 977	Class 1 automated logging sound level meter	1	69298
ACO Pacific 7052E	Class 1 ½" microphone	1	69584
Larson Davis CAL200	Class 1 Calibrator	1	14432

Table 3.1 Description of Equipment used for Noise Survey

3.6 Ambient, background and maximum noise levels (L_{Aeq} , L_{A10} , L_{A90} and L_{AmaxF} respectively) were measured throughout the noise survey in consecutive 5-minute periods.

3.6 The noise survey and measurements were conducted, wherever possible, in accordance with BS7445-1:2003 ‘Description and measurement of environmental noise. Guide to quantities and procedures’. Measurements were made generally in accordance with ISO 1996-2:2007 ‘Acoustics – Description,

measurement and assessment of environmental noise – Part 2: Determination of environmental noise levels’.

- 3.7 Weather conditions throughout the entire noise survey period were noted to be mild (approximately 10-16° Celsius), generally dry, with cloudy skies (approximately 50-80% cloud cover) and a light wind (<5m/s). These weather conditions were checked against and confirmed by the use of the Met Office mobile application available on smart phone technology. These conditions were maintained throughout the whole survey period and are considered reasonable for undertaking environmental noise measurements.
- 3.8 The noise monitoring equipment was calibrated before and after the noise survey period. No significant drift was recorded. Equipment calibration certificates can be provided upon request.

4. EXTERNAL NOISE EMISSION CRITERIA

4.1. National Planning Policy Framework 2019

4.2. In March 2012, the National Planning Policy Framework (NPPF) came into force and was revised in February 2019. This document replaces a great many planning guidance documents, which previously informed the planning system in England.

4.3. The NPPF (2019) sets out the Government's economic, environmental and social planning policies for England and these policies articulate the Government's vision of sustainable development.

4.4. The Noise Policy Statement for England (NPSE) published 2010 applies to '*all forms of noise, including environmental noise, neighbour noise and neighbourhood noise*'.

4.5. Paragraph 180 of the NPPF (2019) considers noise, stating:

"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; and*
- c) limit the impact of light pollution from artificial light on local amenity, intrinsically dark landscapes and nature conservation."*

4.6. National Planning Policy is guided by the NPPF. With regard to noise, the terms 'significant adverse impact' and 'other adverse impacts' are defined in the explanatory notes of the 'Noise Policy Statement for England' (NPSE). These state that there are two established concepts from toxicology that are currently being applied to noise impacts, for example, by the World Health Organisation. They are:

- '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, and

- LOAEL – Lowest Observed Adverse Effect Level. This is the level above which adverse effects on health and quality of life can be detected.

4.7. Extending these concepts for the purpose of this NPSE leads to the concept of SOAEL - significant observed adverse effect level. This is the level above which significant adverse effects on health and quality of life occur'. However, no specific noise limits for LOAEL and SOAEL have been defined.

4.8. Local Authority Criteria, Tendring District Council,

4.9. The proposed site lies within the jurisdiction of the Local Authority, Tendring District Council. An acoustic report is required to support the extension of operational hours for live music.

4.10. The following wording has been provided in relation to the site from the Environmental Protection Officer, Katie Smith.

"With reference to the application to vary the premises licence at The Plough, Plough Road, Great Bentley.

The Noise Management Plan (NMP) submitted to this Team for evaluation on 19th September 2019, does not provide adequate information in relation to how they are going to manage the noise of the music they are proposing for the external and internal areas. This information is required to ensure the noise is managed to an extent that the neighbouring properties are not going to be adversely affected by noise.

The included site plan shows the nearest noise sensitive buildings, but the distance measurements included in the NMP, are in conflict to that of our own mapping systems. The Plough shares a boundary with 2 residential buildings – Rambler Cottage to the East and Coasters to the North East, with several residential properties located to the south of the site also. The distance measurements in relation to noise are measured to and from the boundary, so the indicated distances on the submitted NMP will need to be confirmed.

Information pertaining to the type of equipment being utilised in relation to recorded music and positioning of speakers were absent. In addition no information has been supplied concerning the equipment and positioning of the live performances. This information is

necessary to be able to ascertain the noise distribution. Mention of a sound limiter was within the NMP, however no levels were given.

It is noted that the intention is to cease the playing of live music at 1900 and implied this activity would only take place during "seasonal activities" – can this be elaborated on? Another note was that the beer garden would not be in use past the time of 2100 or dusk – can this be confirmed as to how this will be managed. Will this activity result in patrons using the front area of the premises, adjacent to the residential premises known as Rambler Cottage? Confirmation on these points is required.

The issue over "thermal comfort" is one that also requires addressing – the NMP states that all windows and doors will be closed during operation of the venue, but also states there is no air conditioning installed at the site so as to minimise any potential noise to nearby residents – however this statement by its very nature implies that the opening of doors and windows during the performance or playing of amplified sounds, would likely adversely impact the nearby residents by potentially causing a nuisance resulting in the failure to promote the Licencing Objective.

In addition to the above, this Service is also aware of several complaints from local residents concerning an alleged noise nuisance emanating from the activities at The Plough.

Unfortunately the NMP is unable to evidence to the Environmental Protection Team that the noise from music is able to be managed, we therefore have no option but to formally object to this application based on the likelihood that the proposed activity will cause a nuisance to surrounding residential properties under part P(d) and the licensing objective of The Prevention of Public Nuisance.

Should you have any queries concerning this consultation response, please do not hesitate to contact myself, or my colleague James Bates, to discuss further."

- 4.11. It is understood that the application is for an extension of live music to be operational until 00:00 (currently live music is stopped at 23:00 hours). It is understood, that this extension to time would

bring live music cessation, in-line with the venue's recorded (DJ) music, which is permitted to stop at 00:00, midnight.

4.12. It is not clear, why the local authority, did not permit live music to continue to midnight, when they permitted amplified music too; as typically the speech and music spectral components are very similar in nature, and are thought to attract similar numbers of patrons.

4.13. The noise criteria will therefore be set level with the typical background measured 1 hour nighttime levels. In this case the criteria to be met is a maximum rating noise level of 38dB $L_{Aeq,T}$ measured at the NSR.

*4.13.1. *This is calculated from the external measurement location, utilising 23:00-00:00 hours on the Saturday and Sunday night.*

4.14. **BS4142:2014**

4.15. BS 4142:2014 "Methods for Rating and Assessing Industrial and Commercial Sound" presents a method for assessing the significance and possible adverse impact due to an industrial or commercial noise source, based on a comparison of the source noise levels and the background noise levels, both of which are measured or predicted at a noise sensitive receiver e.g. a residential property.

4.16. However, it is important to note that entertainment and music, such as that occurring at The Plough Inn, fall outside the scope of BS4142:2014. The Standard stating:

"1.3 The determination of noise amounting to a nuisance is beyond the scope of this British Standard.

Sound of an industrial and/or commercial nature does not include sound from the passage of vehicles on public roads The Standard is not intended to be applied to the rating and assessment of sound from:

a) recreational activities

b) music and other entertainment;

f) people

g) public address systems for speech.

The Standard is not intended to be applied to the assessment of indoor sound levels"

5. NOISE SURVEY RESULTS

5.1. The ambient and background noise levels at the measurement position as seen in appendix A are provided below and have been based on an analysis of the monitoring data. The time history can be seen in appendix B (TH1-TH2).

5.2. A summary of the internal data results is provided in Table 5.1.

	Ambient Noise Level $L_{Aeq, 5min}$	Typical Background Noise Level $L_{A90, 5min}$
Day (07:00 – 23:00)	74dB*	44dB*
Night (23:00 – 07:00)	73dB*	41dB*
PH Opening Hours (Monday – Thursday: 11:30-23:30 Friday & Saturday 11:30 – 01:00 Sunday 11:30-00:00)	76dB*	62dB*
PH Closed (All day/night times outside of operational hours)	56dB*	41dB*
PH Open Event Timings 19:00 – 00:00	84dB*	79dB*

Table 5.1 Summary of typical internal noise measurement data

*includes -3dB facade noise correction

5.3. A summary of the external data results is provided in Table 5.2.

	Ambient Noise Level $L_{Aeq, 5min}$	Typical Background Noise Level $L_{A90, 5min}$
Day (07:00 – 23:00)	74dB*	44dB*
Night (23:00 – 07:00)	73dB*	41dB*
PH Opening Hours (Monday – Thursday: 11:30-23:30 Friday & Saturday 11:30 – 01:00 Sunday 11:30-00:00)	76dB*	62dB*
PH Closed (All day/night times outside of operational hours)	56dB*	41dB*
23:00 – 00:00 (taken from Saturday and Sunday nights measurement period, no events happening)	42dB*	38dB*

Table 5.2 Summary of typical external noise measurement data

*includes -3dB facade noise correction

5.4. These noise levels are considered normal to the site location. No significant abnormal noise sources were identifiable during installation or collection of the equipment. It is considered that the measured noise levels are reasonable given the location of the measurement position.

6. NOISE IMPACT ASSESSMENT

6.1 It is proposed to extend the operational hours for live music from finishing at 23:00 hours, to 00:00 hours. Calculations have been undertaken to gain the specific noise level from the extension of music operational hours by using information provided by the client and internal monitoring data. Due to time constraints in providing the report, it was not possible to measure a 'live music' event. Therefore, a disco event, with DJ playing amplified, recorded music was measured in-situ.

6.2 The internal noise level measured during the event is provide in Table 6.1

	Reference Sound Power/Pressure Level*
'Disco' event	*87 dB

Table 6.1 Measured Event Internal Level

*Note: no reduction for -3dB for reflections from measured level.

6.3 Table 6.2 lists the sound pressure spectral data for the internal levels taken during the event on Friday 18th October 2019.

	Frequency Spectral Data (Hz) at 1m								dB(A)
	LZFreq 63	LZFreq 125	LZFreq 250	LZFreq 500	LZFreq 1000	LZFreq 2000	LZFreq 4000	LZFreq 8000	
'Disco' event	85	87	84	83	83	80	74	68	87

Table 6.2 Spectral sound data

6.4 It is understood that the same speakers are utilised for recorded music and live music, and the setup is in the same location for bands and 'decks' with similar noise levels being produced.

6.5 It is understood that during the event on Friday, there were approximately 100 patrons within the premises. The recorded and live music are set up within the extension to the rear of the site (see appendix C).

6.6 Detailed calculations to predict the noise level of the live music operating at 1metre from the NSR are given in Appendix D.

6.7 There is only a partial line of sight between the plant and the NSR. The building envelope has been conservatively estimated to provide 15dB noise attenuation. This will be accounted for in the calculations. According to BS8233:2014, the façade of a residential dwelling; with a window partially open for ventilation offers 15 dB attenuation.

6.8 A distance calculation has been undertaken from the internal noise levels to the NSR's. Due to the extension of the operational hour being between 23:00 – 00:00 hours, the distance calculation has been undertaken to 1m from the NSR's façade.

6.9 In order to meet the noise criteria of 38 dB(A) at the NSR, the proposed venue/operation of live music requires mitigation.

6.10 Mitigation Measures:

6.11 It is recommended that an Electronic Noise Limiter is installed in the premise. An electronic noise limiter works by limiting noise levels from music. They work by either tripping/cutting music levels once they have reached a calibrated/set level; or if funds permit, a more upmarket type of noise limiter, will electronically buffer frequency levels creating the music. This means, that that whatever is done with the volume/gain control, the music cannot be pushed above a pre-set electronic level; thus when a limit is hit, music is able to continue, but cannot exceed a pre-set level. It will not let music raise in volume, even if the musicians play louder. We would recommend that both live and recorded amplified music amps and speakers plug into the electronic noise limiter.

6.12 As seen from the measured data and illustrated in the time histories (TH1-2). It is strongly recommended that the electronic noise limiter is properly calibrated once installed. It is recommended that calibration is undertaken by an appropriately qualified acoustician and that a Calibration certificate shall be produced for submission to the local authority. It is also recommended that the local authority be offered the opportunity to attend the Calibration and/or agree either an internal noise limit level or a boundary limit.

6.13 Based on the internal and external noise levels measured, it is considered that the electronic noise limiter shall need to be capped lower than the current emitted levels. Based on assessed levels, it is considered that an absolute minimum reduction by approximately 5dB, shall be necessary thus setting a maximum cap noise level of approximately 82dBA. However, it should be noted that the specific level should be determined after install of electronic noise limiter; and the particular noise level

determined and then set based on microphone location and distance to live band position. It should also have regard to the closure of doors and other amelioration measures mentioned below.

6.14 Given the period of the PH's construction, it is understood that the premises is a Grade II listed building; and therefore limited remedial work can be undertaken. The following advice is given with the limitations of Grade II listing in mind, thus not all recommendations may be possible;

6.14.1 We recommend installing a double door system to the main door at the front of the façade, and requesting patrons to use the main front door during music events.

6.14.2 We also recommend that the external beer garden is closed after 9pm or dusk (during the summer) when live events are being held, with staff shutting the beer garden, and moving patrons inside to reduce noise levels produced externally. This would also ensure that the doors closest to the residence on the east façade remain closed.

6.15 It was noted that there was a 6ft fence surrounding the rear pub garden, which was in good condition. This will help to reduce noise levels to the neighboring premises. The fence will need to be kept in good order to help reduce noise levels in the neighboring external amenity area.

6.15.1 The fence could be upgraded to an acoustic fence.

6.16 Detailed calculations to predict the noise level of the plant at 1metre from the NSR are given in Appendix D. The rating noise level at 1m from the NSR1 currently is **42dB L_{A90}** and **4dB(A) above** the assessed background noise level (38dB L_{A90}). The rating noise level at 1m from the NSR2 currently is **41dB L_{A90}** and **3dB(A) below** the assessed background noise level (38dB L_{A90}). The rating noise level at 1m from the NSR3 currently is **40dB L_{A90}** and **2dB(A) below** the assessed background noise level (38dB L_{A90}). In accordance with the NPPF 2019 guidance this would be a 'Low Observed Adverse Effect Level'. With the installation of the recommended electronic noise limiter, and calibrated by a qualified acoustician, then the effect level, could be reduced to No Observed Effect Level.

6.17 British Standard 8233:2014 '*Sound insulation and noise reduction for buildings – Code of Practice*' gives recommendations for acceptable internal noise levels in residential properties. Assuming worst case conditions, of the closest window being for a bedroom, BS8233:2014 recommends 30dB(A) as being acceptable internal resting/sleeping conditions during night-time. According to BS8233:2014, the façade of a residential dwelling; with a window partially open for ventilation offers 15 dB

attenuation. Therefore, taking into account this reduction for a partially open window the internal noise level with the extended operable house would be 27dB (A) which is lower than the acceptable internal noise level as seen under BS8233: 2014; and significantly lower than the background.

7. UNCERTAINTY

- 7.1 The levels of uncertainty in the data and calculations are considered to be low given the robust exercise undertaken in noise monitoring and the confidence in the statistical analysis.
- 7.2 All measurements taken on-site by instrumentation are subject to a margin of uncertainty. This is relatively small, with a sound level meter manufacturer's margin of uncertainty at +/-1.1dB. It is due to the tolerances associated with the Class 1 sound level meter and calibrator equipment used to measure background.
- 7.2.1 The meter and calibrator used have a traceable laboratory calibration and were field calibrated before and after the measurements.
- 7.3 Manufacturers' data for the plant is likely to be robust. Detailed calculations and resultant noise levels at the residential location are considered to be confidently predicted.
- 7.4 Uncertainty in the calculated impact has been reduced by the use of a well-established calculation method.

8. CONCLUSION

- 8.1. A noise assessment has been undertaken at The Plough Inn, Plough Road, Great Bentley, Colchester, Essex CO7 8LA. The noise survey was undertaken at two fixed monitoring points, one internally gaining the internal noise levels during an event and one representative of the nearest noise sensitive receptors.
- 8.2. Following on-site measurement of pre-existing noise levels, calculations have been made of the noise rating level of the proposed plant at the NSR. From this assessment, together with information from the plant manufacturer, the potential noise impact has been determined.
- 8.3. Noise levels from the premises for the extended hour at the NSR are predicted to be **42dB L_{Aeq}**, this is **4dB above** the noise criteria. Therefore, noise mitigation is recommended. Given that the PH is Grade II listed, it is recommended that noise mitigation in the form of an Electronic noise limiter is installed. Once installed, the noise limiting device shall need to be properly calibrated by an appropriately qualified acoustician and a Calibration certificate issued.
- 8.4. It is predicted that a maximum cap on amplified noise level of 82dBA is likely. However, this level must be set, once the electronic noise limiter is installed. In order to determine distance of microphone to live band position. With the mitigation incorporated as stated herein and the electronic noise limiter appropriately calibrated, the noise levels would be expected to be a **'No Observed Effect Level'**.
- 8.5. Considering the results of the noise survey, the illustrative layouts and the calculations, the predicted resultant noise levels from the proposed plant are predicted to meet appropriate and reasonable guidance and the relevant noise criteria. Therefore, an adequate level of protection against noise for occupants of the nearest noise sensitive receptor is afforded; including when factoring in potential uncertainty.

Appendix A – Site Plan (SP1)

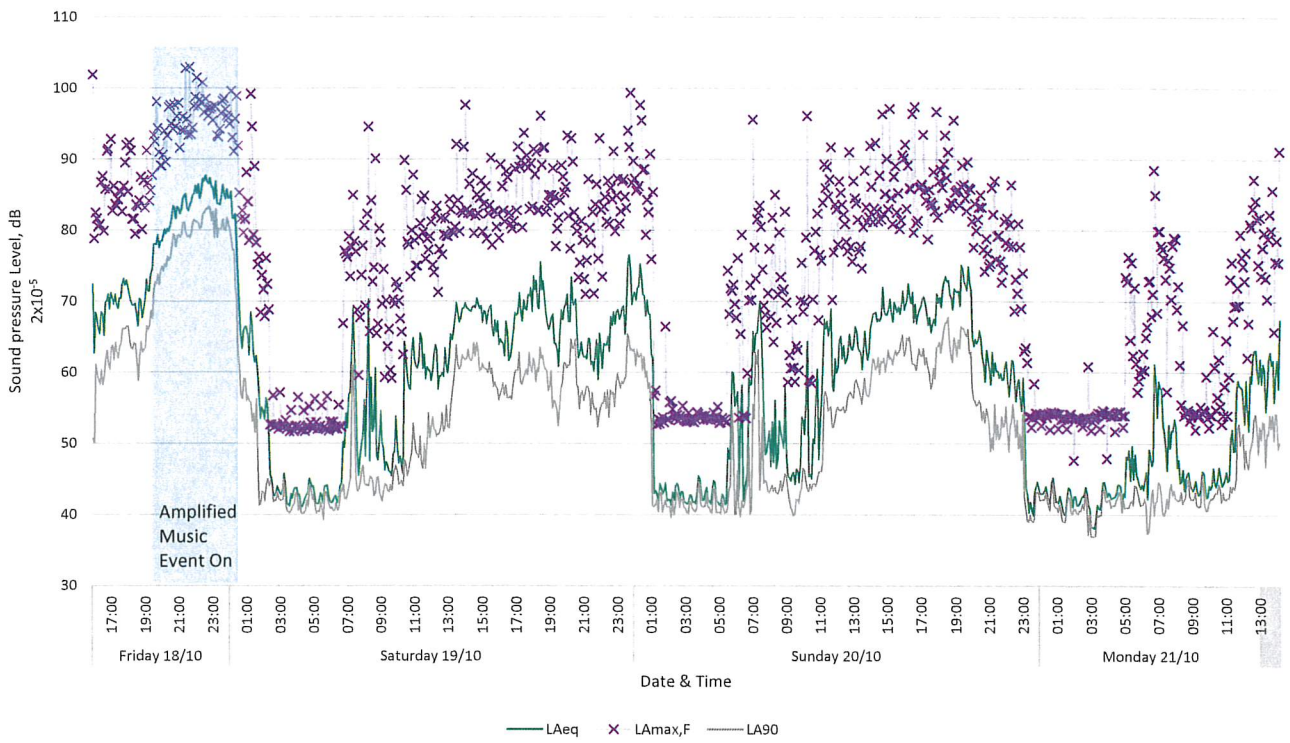


Key:

- Noise Monitoring Position 
- Noise Sensitive Receivers 
- Site Boundary 

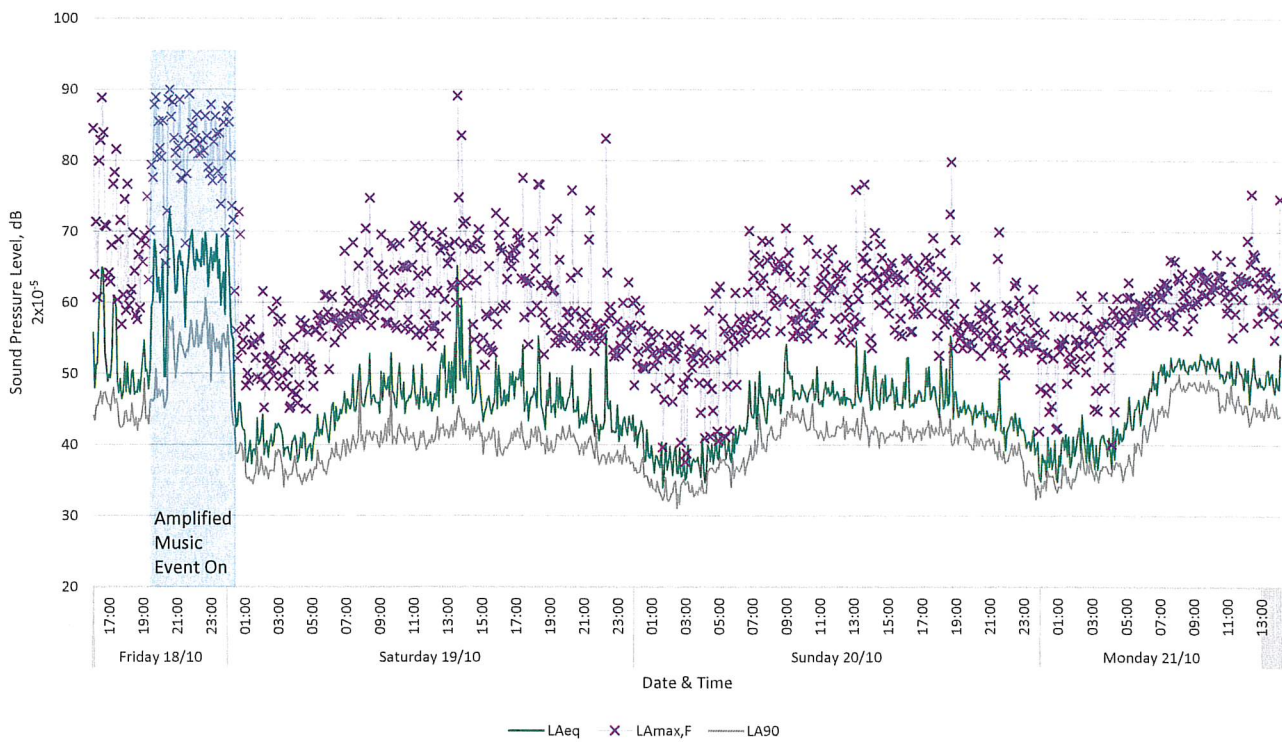
Appendix B - Time History 1 (TH1)

Plough Inn, Plough Road, Great Bentley, Colchester
Friday 18th October 2019 - Monday 21st October 2019
Internal - NMP1

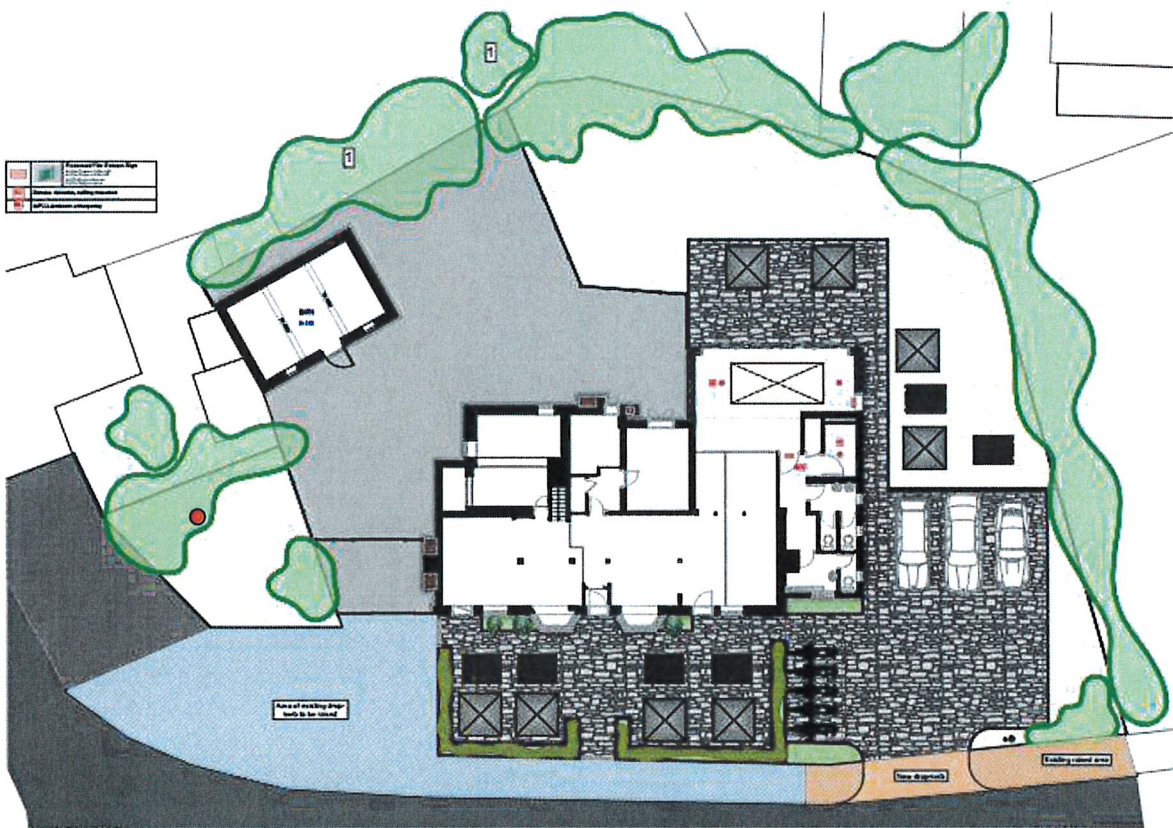


Appendix B - Time History 2 (TH2)

Plough Inn, Plough Road, Great Bentley, Colchester
Friday 18th October 2019 - Monday 21st October 2019
External - NMP2

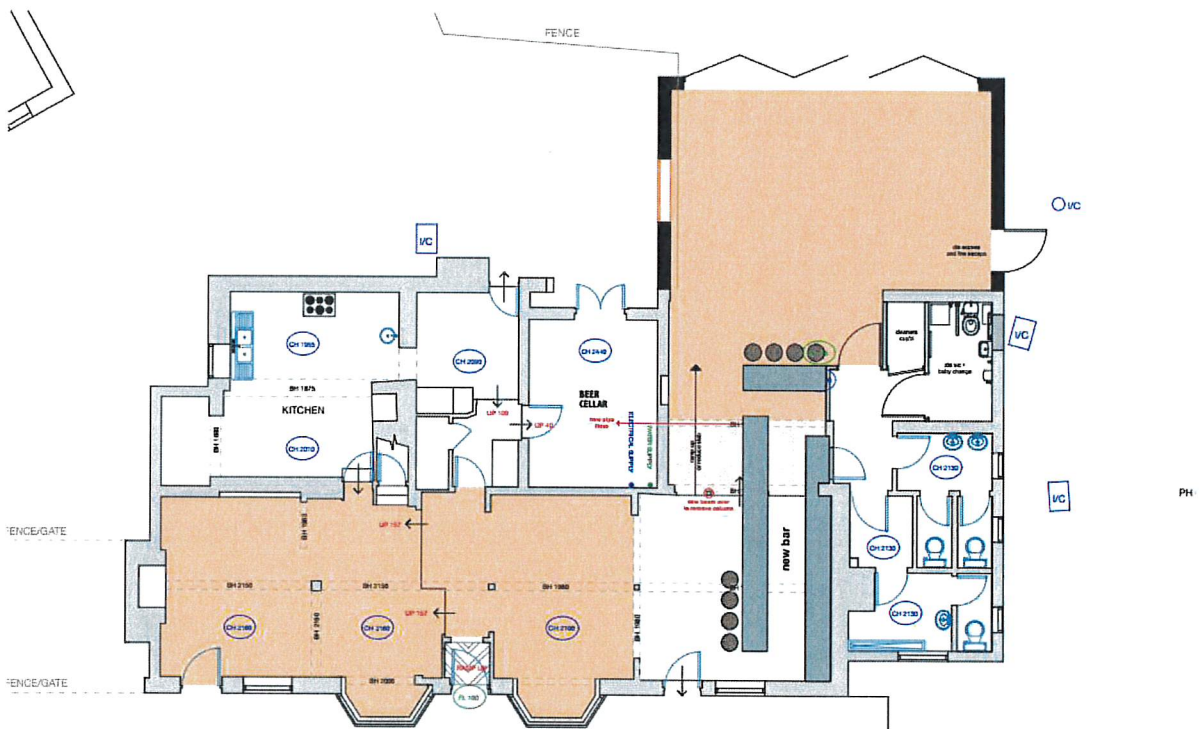


Appendix C1 – Site Drawings



<p>NOTES:</p> <ol style="list-style-type: none"> 1. All work shall be in accordance with the relevant specifications and standards. 2. All work shall be completed by the date specified in the programme of works. 3. All work shall be completed to the satisfaction of the relevant authorities. 	<p>REVISIONS:</p> <table border="1"> <tr> <th>No.</th> <th>Description</th> <th>Date</th> </tr> <tr> <td>1</td> <td>Issue for information</td> <td>12/12/2024</td> </tr> </table>	No.	Description	Date	1	Issue for information	12/12/2024	<p>PROJECT INFORMATION:</p> <p>Project Name: [Redacted] Client: [Redacted] Location: [Redacted]</p>	<p>DATE: 12/12/2024</p> <p>SCALE: 1:100</p>	<p>LANDSCAPE ARRANGEMENT:</p> <p>This drawing shows the proposed landscaping for the site. The planting plan is to be issued separately.</p>
No.	Description	Date								
1	Issue for information	12/12/2024								

Appendix C2 – Site Drawings



PROPOSED DESIGN SYMBOLS
 The symbols shown are for reference only. The actual symbols to be used will be determined by the acoustic designer. The symbols shown are for reference only. The actual symbols to be used will be determined by the acoustic designer.

Proposed GA
 Scale: 1:500
 Date: 12/2024



Appendix D - HA Calculations

Noise Sensitive Receiver 1

Source: 1x Event Level

	Frequency Spectral Data (Hz)								
	63	125	250	500	1000	2000	4000	8000	dB(A)
Music vent*	85	87	84	83	83	80	74	68	87
Mitigation provided by building façade	-15	-15	-15	-15	-15	-15	-15	-15	
Distance attenuation (30m)	-30	-30	-30	-30	-30	-30	-30	-30	
Calculated level at Receiver 1	40	42	39	38	38	35	29	23	42

*levels extrapolated from 'disco event'

Typical Background Level	38
Low Observed Affect Level	

BS8233: Internal Night Time Levels

	Frequency Spectral Data (Hz)								
	63	125	250	500	1000	2000	4000	8000	dB(A)
Calculated level at NSR	40	42	39	38	38	35	29	23	42
Partially Open Window Attenuation	-15	-15	-15	-15	-15	-15	-15	-15	
Calculated level in Internal Receiver	25	27	24	23	23	20	14	8	27

BS8233 Night Time Criteria	30
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Noise Sensitive Receiver 2

Source: 1x Event Level

	Frequency Spectral Data (Hz)								dB(A)
	63	125	250	500	1000	2000	4000	8000	
Music vent*	85	87	84	83	83	80	74	68	87
Mitigation provided by building façade	-15	-15	-15	-15	-15	-15	-15	-15	
Distance attenuation (37m)	-31	-31	-31	-31	-31	-31	-31	-31	
Calculated level at Receiver 2	39	41	38	37	37	34	28	22	41

*levels extrapolated from 'disco event'

Typical Background Level	38
Low Observed Affect Level	

BS8233: Internal Night Time Levels

	Frequency Spectral Data (Hz)								dB(A)
	63	125	250	500	1000	2000	4000	8000	
Calculated level at NSR	39	41	38	37	37	34	28	22	41
Partially Open Window Attenuation	-15	-15	-15	-15	-15	-15	-15	-15	
Calculated level in Internal Receiver	24	26	23	22	22	19	13	7	26

BS8233 Night Time Criteria	30
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Noise Sensitive Receiver 3

Source: 1x Event Level

	Frequency Spectral Data (Hz)								dB(A)
	63	125	250	500	1000	2000	4000	8000	
Music vent*	85	87	84	83	83	80	74	68	87
Mitigation provided by building façade	-15	-15	-15	-15	-15	-15	-15	-15	
Distance attenuation (40m)	-32	-32	-32	-32	-32	-32	-32	-32	
Calculated level at Receiver 1	38	40	37	36	36	33	27	21	40

*levels extrapolated from 'disco event'

Typical Background Level	38
Low Observed Affect Level	

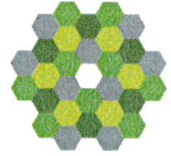
BS8233: Internal Night Time Levels

	Frequency Spectral Data (Hz)								dB(A)
	63	125	250	500	1000	2000	4000	8000	
Calculated level at NSR	38	40	37	36	36	33	27	21	40
Partially Open Window Attenuation	-15	-15	-15	-15	-15	-15	-15	-15	
Calculated level in Internal Receiver	23	25	22	21	21	18	12	6	25

BS8233 Night Time Criteria	30
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Land Registry Official copy of title plan

Title number **EX502689**
Ordnance Survey map reference **TM1121NW**
Scale **1:1250**
Administrative area **ESSEX : TENDRING**



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