

**M42 Junction 6 Improvement
Scheme Number TR010027
Volume 6
6.3 Environmental Statement
Appendix 12.4 Reconfiguration of
Warwickshire Gaelic Athletic Association**

Regulation 5(2)(a)

Planning Act 2008

Infrastructure Planning (Applications: Prescribed
Forms and Procedure) Regulations 2009

January 2019

Infrastructure Planning

Planning Act 2008

**The Infrastructure Planning
(Applications: Prescribed Forms
and Procedure) Regulations 2009**

**M42 Junction 6 Improvement
Development Consent Order 202[]**

**6.3 Environmental Statement
Appendix 12.4 Reconfiguration of Warwickshire Gaelic Athletics
Association**

Regulation Number	Regulation 5(2)(a)
Planning Inspectorate Scheme Reference	TR010027
Application Document Reference	6.3
Author	M42 Junction 6 Improvement Project Team and Highways England

Version	Date	Status of Version
Rev 1	January 2019	DCO Application

Table of contents

Chapter	Pages
Table of contents	3
12.1 Introduction	1
12.2 Assessment Methodology and Guidance	1
12.3 Proposed Options	3
12.4 Existing Noise Climate	4
12.5 Impact Assessment	6
12.6 Change in Noise Levels at WGAA site	9

List of Tables

Table 1-1	WHO guideline values for community noise in specific environments	1
Table 1-2	Catergorising the significance of the Basic Noise Change	2
Table 1-3	Summary of the 5 WGAA reconfiguration options	3
Table 1-4	Noise Monitoring Results at ML2 – Oak Tree Lodge, Shadow Brook Lane	4
Table 1-5	Noise Monitoring Results at ML7a – Four Winds (Front)	5
Table 1-6	Noise Monitoring Results at ML7b – Four Winds (Rear)	6
Table 1-7	Predicted Noise Levels from the Use of Sports Pitches	6
Table 1-8	Predicted Change in Noise Level	7
Table 1-9	Predicted L_{\max} Noise Level from Hurling Wall	8
Table 1-10	Predicted L_{\max} Noise Level from Car Door Slam	8

Appendix 12.4 Reconfiguration of Warwickshire Gaelic Athletics Association

12.1 Introduction

- 12.1.1 The proposed link mainline road as part of the M42 J6 improvement would sever the existing access to the Warwickshire Gaelic Athletic Association (WWGAA) from Catherine de Barnes Lane, and would require land currently used for sports pitches. Modifications would be made to reconfigure the access and the layout of the affected pitches using adjacent land to the south of the facility.
- 12.1.2 The final reconfiguration has not yet been confirmed; therefore this appendix has considered the noise impacts of the five proposed options on the nearest noise sensitive receptors (NSRs). The nearest NSR is 'Four Winds' to the south of the WGAA site. The potential noise impact has also been considered at Solihull Music School to the south west and properties on Catherine de Barnes Lane and Shadowbrook Lane to the east/ south-east.
- 12.1.3 The potential impact of the Scheme on the users of WGAA will be considered in this appendix.

12.2 Assessment Methodology and Guidance

- 12.2.1 There is no specific guidance or methodology for assessing noise from sports pitches. The Sports England 'Design Guidance Note Artificial Grass Pitch (AGP) Acoustics-Planning Implications, New Guidance for 2015' has been reviewed.
- 12.2.2 The guidance note highlights the importance of considering the potential for disturbance to NSRs early in the planning and design stages.
- 12.2.3 Whilst there is no specific guidance, the Sports England technical note refers to the World Health Guidelines for Community noise, The World Health Organisation's (WHO) '*Community for Noise Guidelines*' recommend external daytime and evening environmental noise limits, and internal night-time limits to avoid sleep disturbance:
- 12.2.4 Table 1-1 summarises the WHO guidelines for community noise in outdoor and indoor living areas.

Table 1-1 WHO guideline values for community noise in specific environments

Specific environment	Critical health effect(s)	Noise level
Outdoor living area	Serious annoyance, daytime and evening	55 dB $L_{Aeq,16h}$ (07:00-23:00)
	Moderate annoyance, daytime and evening	50 dB $L_{Aeq,16h}$ (07:00-23:00)
Inside bedrooms	Sleep disturbance, night-time	30 dB $L_{Aeq,8h}$ (23:00-07:00)
		45 dB $L_{Amax,8h}$ (23:00-07:00)
Outside bedrooms	Sleep disturbance, night-time with window open (outdoor values)	60 dB $L_{Amax,8h}$ (23:00-07:00)

- 12.2.5 It should be noted that the L_{Amax} guideline values for bedrooms are applicable to night-time periods only. However, there is a 15 dB difference between the WHO

inside bedroom L_{Aeq} and L_{Amax} criteria; this same correction has been applied to the daytime L_{Aeq} guideline values to determine an equivalent daytime L_{Amax} threshold of 65 dB L_{Amax} . It has been assumed that the sports pitches and hurling wall will only be used during day time periods (07:00 to 23:00). Whereas noise from the use of the club house and car park may occur during the night time period (23:00 to 07:00) if events are held in the club house.

- 12.2.6 The Sports England guidance also refers to an alternative assessment method, where the predicted noise levels are compared to the existing noise levels. It refers to the IOA/IEMA working consultation draft guidelines (IEMA published the updated 'Guidelines for Environmental Impact Assessment' in 2014), which provides guidance on impact of change in noise levels. A slight impact is considered for an increase less than 3 dB, which conforms to the withdrawn PPG24 statement that as change of 3 dB is the minimum perceptible under normal conditions.
- 12.2.7 Table 1-2 summarises the significance of the change in noise levels. Although it is noted that the context of the noise and surrounding area needs to be taken in to consideration.

Table 1-2 Catergorising the significance of the Basic Noise Change

Noise Change, dB	Impact
0	No Impact
0.1 to 2.9	Slight Impact
3 to 4.9	Moderate Impact
5 to 9.9	Substantial Impact
10 +	Severe Impact.

- 12.2.8 To predict the noise from sports pitches, the 3D noise model has been prepared using the CadnaA modelling software. The Do-Minimum ground model from the DMRB assessment has been used to model the existing pitch layout. The Do-Something ground model from the DMRB assessment has been used to model the proposed layout options. As it has not been possible to undertake noise measurements when the existing sports pitches are in use, the source level of 58dB $L_{Aeq,1hr}$ at 10m from the sideline halfway marking taken from Sports England's Design Guidance has been used. Sports England has measured noise levels during nine sports sessions on three separate AGPs. The sessions included football, hockey and rugby and participation by men, women and children. The most significant noise levels were found to be generally derived from the voices of players, with the exception of hockey where impact noises of balls hitting perimeter strike boards and goal back boards were more noticeable. It is acknowledged that the reconfigured pitches will not be artificial grass, but as shown the significant noise source is from the voices of players and not the surface of the pitch.
- 12.2.9 Area noise sources of the existing pitches layout and the proposed layouts of the 5 options have been modelled to predict the noise levels at the nearby NSRs.
- 12.2.10 At this stage the number of car parking spaces or number of cars accessing the WGAA site is not available. Therefore to provide an indication of the impact of

noise from the use of the car park, the L_{max} of a door slam has been predicted at the closest parking position to the nearest NSRs which is 'Four Winds'.

- 12.2.11 The L_{max} of a car door slam has been taken from previous assessments, which is 78 dB L_{max} at 2m.
- 12.2.12 As part of the reconfiguration of the WGAA site, a hurling wall is proposed. To consider the noise impact of ball against the hurling wall, noise measurements of a hockey ball hitting a backboard have been used, which is 94 dB L_{max} at 1 m.
- 12.2.13 It is assumed that the use of the club house will remain the same as existing and that it can be used as a function room with amplified music. As no information is available regarding noise levels from the existing club house, or the final specification of the new club house, noise limits have been set based on the Institute of Acoustics 'Good Practice Guide on the Control of Noise from Pubs and Clubs' and associated Annex), which provides guidelines regarding noise from licensed and non-licensed premises.
- 12.2.14 The Good Practice Guide on the Control of Noise from Pubs and Clubs does not provide prescriptive criteria on the assessment of noise from licensed and non-licensed premises. However, a working-draft annex to the Guide suggests criteria for entertainment noise from venues that operate more than once a week or after 23:00 hours. These are as follows:
- The L_{Aeq} of the entertainment noise should not exceed the representative background noise level L_{A90} (without entertainment noise); and
 - The L_{10} of the entertainment noise should not exceed the representative background noise level L_{90} (without entertainment noise) in any 1/3-octave band between 40 and 160Hz.
- 12.2.15 If the above criteria are met, entertainment noise is expected to be virtually inaudible inside any noise-sensitive properties. This equates to an effect which is not significant.

12.3 Proposed Options

- 12.3.1 Table 1-3 provides a brief summary of the options. For all options the access will be via new access track which runs to the east of 'Four Winds' from the new Barbers Coppice Roundabout.

Table 1-3 Summary of the 5 WGAA reconfiguration options

Option	Summary
1	The club house remains in the same current location. The car park to be located to the north of 'Four Winds' property. One existing sports pitch to remain, two new relocated pitches to the south of existing pitch. A hurling wall to be located north-west of the relocated pitches.
2	The club house to be relocated south of pitches with new car park adjacent (closer to Four Winds' property). Old club house to be demolished. One existing sports pitch to remain, two new relocated pitches to the south of existing pitch. A hurling wall to be located near old (demolished) club house.

3	The club house to be relocated south of pitches with new car park adjacent (closer to Four Winds' property). Old club house to be demolished. One existing sports pitch to remain, two new relocated pitches to the south of existing pitch. Orientation of pitches different compared to Option 1 and 2.
4	Club house to remain is same location. The car park to be located to the north of 'Four Winds' property One existing sports pitch to remain, two new relocated pitches to the south of existing pitch. Orientation of pitches different compared to Option 1 and 2. Hurling wall to be located to west of relocated pitches
5	The club house is to remain in the same location, with car park adjacent. One existing sports pitch to remain, two new relocated pitches to the south of existing pitch. A hurling wall to be located north-west of the relocated pitches.

12.4 Existing Noise Climate

- 12.4.1 Unattended baseline noise surveys were undertaken between 15 and 26 March 2018 at 8 locations. The closest monitoring locations to WGAA site were at Monitoring Locations 2(ML 2) Oak Tree Lodge, Shadow Brook Lane and Monitoring Locations 7a and 7b (ML7a, ML7b) at the front and rear of Four Winds, Catherine-de-Barnes Lane. At these locations the dominant noise source was road traffic noise from Catherine-de-Barnes Lane and aircraft noise. Tables 1-4 to 1-6 provide a summary of the noise levels during the daytime and night time periods at ML2, ML7a and ML7b respectively.
- 12.4.2 The weather conditions were also recorded during the survey period. During the survey period max wind speeds above the recommended 5 m/s have been recorded, although average wind speeds have not exceeded 3 m/s for any daytime or night-time period. Weather conditions on Friday 16 (night-time), Saturday 17 (all day) and Sunday 18 (all day) March were particularly adverse, with high gust of wind, low temperatures and snow. Upon review of the meteorological data and baseline sound data during these periods, it is considered likely that the meteorological conditions have affected the sound data to the extent that the noise level data is not considered to be representative. Therefore, these periods have been excluded from the results summaries in Tables 1-4 to 1-6.

Table 1-4 Noise Monitoring Results at ML2 – Oak Tree Lodge, Shadow Brook Lane

Date	Start Time	$L_{Aeq,T}$ dB	$L_{Amax,T}$ dB	$L_{A10,T}$ dB	$L_{A90,T}$ dB
Thursday 15 March	12:00 – 23:00*	63.9	90.0	61.6	49.8
	23:00 – 07:00	56.8	89.7	56.7	45.5
Friday 16 March	07:00 – 23:00	65.4	91.9	63.4	45.3
Monday 19 March	07:00 – 23:00	61.7	92.1	62.1	50.6
	23:00 – 07:00	54.3	83.0	55.9	43.9

Tuesday 20 March	07:00 – 23:00	60.2	85.4	61.8	49.1
	23:00 – 07:00	54.3	86.6	56.1	42.2
Wednesday 21 March	07:00 – 23:00	59.5	81.8	60.4	44.5
	23:00 – 07:00	53.6	86.1	54.8	41.5
Thursday 22 March	07:00 – 23:00	62.1	97.7	62.0	46.8
	23:00 – 07:00	58.4	90.3	55.8	45.3
Friday 23 March	07:00 – 23:00	64.8	93.9	64.4	47.5
	23:00 – 07:00	59.8	89.8	56.0	40.8
Saturday 24 March	07:00 – 23:00	62.2	92.2	60.6	44.4
	23:00 – 07:00	53.8	81.1	54.4	38.8
Sunday 25 March	07:00 – 23:00	59.0	84.2	59.6	43.0
	23:00 – 07:00	55.2	83.4	58.6	38.9
Monday 26 March	07:00 – 11:00*	59.5	89.0	61.3	42.4

* incomplete period.

Table 1-5 Noise Monitoring Results at ML7a – Four Winds (Front)

Date	Start Time	$L_{Aeq,T}$ dB	$L_{Amax,T}$ dB	$L_{A10,T}$ dB	$L_{A90,T}$ dB
Thursday 15 March	14:00 – 23:00*	62.9	85.4	65.9	51.6
	23:00 – 07:00	57.6	83.0	64.5	45.7
Friday 16 March	07:00 – 23:00	63.2	93.0	66.0	48.2
Monday 19 March	07:00 – 23:00	61.2	89.3	65.1	49.7
	23:00 – 07:00	55.0	75.4	61.6	43.0
Tuesday 20 March	07:00 – 23:00	59.8	81.3	64.3	49.8
	23:00 – 07:00	54.3	76.2	61.1	40.7
Wednesday 21 March	07:00 – 23:00	57.8	83.6	62.8	42.4
	23:00 – 07:00	53.5	77.4	61.0	39.4
Thursday 22 March	07:00 – 23:00	59.5	82.8	63.7	44.7
	23:00 – 07:00	56.7	84.2	61.9	45.1
Friday 23 March	07:00 – 23:00	62.0	86.2	65.4	47.6
	23:00 – 07:00	56.5	81.4	60.4	38.0
Saturday 24 March	07:00 – 23:00	59.5	85.8	63.6	44.5
	23:00 – 07:00	51.9	82.1	58.2	38.0
Sunday 25 March	07:00 – 23:00	56.4	87.4	60.7	42.5
	23:00 – 07:00	55.4	73.3	62.9	37.0
Monday 26 March	07:00 – 11:00*	57.7	79.9	62.5	41.5

* incomplete period.

Table 1-6 Noise Monitoring Results at ML7b – Four Winds (Rear)

Date	Start Time	$L_{Aeq,T}$ dB	$L_{Amax,T}$ dB	$L_{A10,T}$ dB	$L_{A90,T}$ dB
Thursday 15 March	14:00 – 23:00*	60.0	86.0	58.6	48.2
	23:00 – 07:00	53.4	83.7	55.6	42.1
Friday 16 March	07:00 – 23:00	60.3	85.5	61.1	45.0
Monday 19 March	07:00 – 23:00	55.7	85.9	57.3	47.7
	23:00 – 07:00	49.5	77.8	53.5	40.8
Tuesday 20 March	07:00 – 23:00	52.9	74.7	56.1	47.3
	23:00 – 07:00	49.7	74.7	54.1	39.9
Wednesday 21 March	07:00 – 23:00	49.6	74.0	52.0	41.4
	23:00 – 07:00	47.8	70.3	53.4	39.6
Thursday 22 March	07:00 – 23:00	54.7	83.8	55.9	43.7
	23:00 – 07:00	54.1	84.1	55.0	43.4
Friday 23 March	07:00 – 23:00	59.4	85.9	60.5	45.5
	23:00 – 07:00	54.4	81.0	54.6	35.3
Saturday 24 March	07:00 – 23:00	55.6	85.4	53.6	41.7
	23:00 – 07:00	46.5	74.3	53.0	36.6
Sunday 25 March	07:00 – 23:00	49.5	75.3	52.5	40.5
	23:00 – 07:00	51.0	72.6	57.8	36.0
Monday 26 March	07:00 – 10:00*	51.5	83.1	56.0	40.7

* incomplete period.

12.5 Impact Assessment

Sports Pitches

- 12.5.1 To assess the potential noise impact due to the uses of the sports pitches, the average (L_{Aeq}) noise from the pitches have been predicted for the existing layout and for the 5 options. It should be noted that the change in noise levels due to the change the road layout have not been considered in the predicted noise levels
- 12.5.2 Table 1-7 shows the predicted sports pitch noise levels at the nearby NSRs.

Table 1-7 Predicted Noise Levels from the Use of Sports Pitches

NSR	Predicted $L_{Aeq,1hr}$, dB					
	Existing Layout	Option 1	Option 2	Option 3	Option 4	Option 5
Four Winds	46.6	48.1	47.7	49.6	49.9	47.8
Music School	34.1	35.2	35.2	34.9	34.9	35.2
The Dale, Catherine De Barnes Lane	51.8	48.1	48.3	47.9	47.9	48.3

Oak Tree Lodge, Shadowbrook Lane	47.3	45.8	46	45.9	46	46
Meadow View, Shadowbrook Lane	45	43.6	43.8	43.7	43.8	43.7
The Paddocks, Shadowbrook Lane	44.6	43.6	43.7	43.8	43.9	43.7
Green Acre, Shadowbrook Lane	44.4	42.5	42.4	42.6	42.7	42.4
The Pleck, Shadowbrook Lane	43.5	42.3	42.3	42.4	42.4	42.3

12.5.3 Table 1-8 shows the noise level difference between the existing layout and proposed options.

Table 1-8 Predicted Change in Noise Level

NSR	Predicted $L_{Aeq,1hr}$, dB				
	Option 1	Option 2	Option 3	Option 4	Option 5
Four Winds	1.5	1.1	3	3.3	1.2
Music School	1.1	1.1	0.8	0.8	1.1
The Dale, Catherine De Barnes Lane	-3.7	-3.5	-3.9	-3.9	-3.5
Oak Tree Lodge, Shadowbrook Lane	-1.5	-1.3	-1.4	-1.3	-1.3
Meadow View, Shadowbrook Lane	-1.4	-1.2	-1.3	-1.2	-1.3
The Paddocks, Shadowbrook Lane	-1	-0.9	-0.8	-0.7	-0.9
Green Acre, Shadowbrook Lane	-1.9	-2	-1.8	-1.7	-2
The Pleck, Shadowbrook Lane	-1.2	-1.2	-1.1	-1.1	-1.2

12.5.4 Table 1-7 shows the noise levels from the use of the sports pitches during the daytime period. The predicted noise levels for Options 1-5 are below the daytime WHO guidelines level lower criterion of 50 dB L_{Aeq} . However as shown in Table 1-8 the reconfigured sports pitches would result in an increase compared to the existing layout at Four Winds and Solihull Music School. Based on the impact criteria in Table 1-2 options 3 and 4 at Four Winds would result in a moderate adverse impact and options 1,2 and 5 would result in a slight adverse impact, It has been assumed that the sports pitches will not be used during the night time period.

12.5.5 When comparing the predicted noise levels against the existing ambient baseline noise levels, the predicted sports pitch noise levels are lower than the baseline noise levels for the properties on Catherine De Barnes Lane and Shadowbrook Lane. The existing ambient noise levels at the rear of Four Winds are as expected, lower than the noise levels at the front of the property which is adjacent to Catherine De Barnes Lane. The predicted sports pitch noise levels are generally lower or similar to the existing ambient noise levels at the rear of Four Winds.

12.5.6 The increase in noise levels from sports pitch noise based on the sports pitch layout for Options 3 and 4 could potentially have a moderate adverse impact at Four Winds.

Hurling Wall

As part of the reconfigured site, a hurling wall is proposed. Although it has been assumed that the hurling wall will not be used during the night-time period the L_{max} noise levels have been considered due to the impact nature of the sound of a ball hitting the hurling wall.

12.5.7 The predicted L_{max} noise levels from the use of the hurling wall are shown in Table 1-9.

Table 1-9 Predicted L_{max} Noise Level from Hurling Wall

NSR	Predicted L_{max} , dB				
	Option 1	Option 2	Option 3	Option 4	Option 5
Four Winds	36.3	35	34.6	36.7	36

12.5.8 The predicted L_{max} noise levels for all options are significantly below the day time L_{max} criteria of 65 dB as detailed in paragraph 1.2.5 and therefore the use of the hurling wall is unlikely to have an adverse impact on the nearby NSRs. However it is recommended further assessment of the noise impact of the hurling wall is undertaken once the final layout has been confirmed.

Car Park

12.5.9 With regards to car parking noise, the L_{max} of a single door slam has been predicted at Four Winds, assuming the car is parked in the nearest space to the NSR. The predicted L_{max} noise levels are shown in Table 1-10.

Table 1-10 Predicted L_{max} Noise Level from Car Door Slam

NSR	Predicted L_{max} , dB					
	Existing	Option 1	Option 2	Option 3	Option 4	Option 5
Four Winds	26.5	52.1	42.1	53.2	53.7	20.4

12.5.10 It has been assumed that the car park is used during both the day time and night time periods. Table 1-10 shows for all proposed options apart from option 5, the predicted L_{max} levels are significantly higher than the existing scenario. But all predicted levels are below the night time L_{max} WHO guideline value. The predicted L_{max} levels are lower at Option 5 because the proposed car park is located adjacent to the existing club house, which will remain in its current position. The car park is positioned closer to Four Winds in Options 1 to 4.

Relocated Club house

12.5.11 For options 2 and 3 it is proposed to relocate the club house to the south of the sports pitches. There is the potential for breakout noise from the club house, depending upon the final specification of the building and general noise from people entering and leaving. For options 2 and 3, this noise source is a lot closer

to Four Winds and has the potential to result in an adverse impact compared to the club house remaining in the existing location.

- 12.5.12 It is assumed that the use of the clubhouse would continue as a venue that holds functions with amplified music. However, no information is available regarding noise levels from the existing clubhouse and the proposed specification of the configuration is not known. As such, a noise limit for the new club house has been set based guidance in the Institute of Acoustics 'Good Practice Guide on the Control of Noise from Pubs and Clubs' and associated Annex
- 12.5.13 Following statistical analysis of the background sound levels (L_{A90}) measured during the baseline survey, the night time representative background noise levels has been determined at the rear of Four Winds (ML7b), the closest NSR to proposed new clubhouse as a worst case scenario, as the function rooms of the club house could potentially be in use after 11pm.
- 12.5.14 A robust approach was used in the statistical analysis of the background sound levels, looking in turn at the mode, median and mean averages and the lowest 10th percentile of levels recorded between 23:00 and 01:00. This analysis produced a range of 37 – 42 dB for the night time period at Location ML7b. Based on this a level of 40 dB for the night time is considered to be representative. Therefore the specification of the new club house will be designed to be meet the following limits:
- c. The L_{Aeq} of the entertainment noise should not exceed the representative background noise level L_{A90} of 40 dB (without entertainment noise); and
 - d. The L_{10} of the entertainment noise should not exceed the representative background noise level L_{A90} of 40 dB (without entertainment noise) in any 1/3-octave band between 40 and 160Hz.

Summary of Potential Impact on NSRs

- 12.5.15 Taking into consideration the change in noise levels from the sports pitches, the potential noise from the use of the new hurling wall, club house and car parking, it is considered that Option 3 would be the worst case in terms of potential adverse impact on the nearest NSR Four Winds. Based on the above assessment Option 5 would be the preferred option in terms of less impact on NSRs.

12.6 Change in Noise Levels at WGAA site

- 12.6.1 The change in noise levels at the WGAA site as a result of the Scheme have also be considered due the impact on users of the site.
- 12.6.2 3D noise models have been created for the Do-Minimum (without the Scheme) and Do-Something (with the Scheme) scenarios to predict the road traffic noise levels in the opening year (2023). The noise contours are on 10m x 10m grid. The Do-Something model is based on the proposed scheme layout and assumes that low noise surfacing will be used on the Scheme roads.
- 12.6.3 The short term noise level difference contour (Do-Minimum versus Do-Something) is shown in Figure 12.4.

- 12.6.4 The noise contours show, as expected an increase in noise levels adjacent to the new road. To the north and east of WGAA site, the noise levels are predicted to increase by up to 2.9 dB in the opening year of the new road. To the west of the WGAA site the noise levels are predicted to increase less than 1 dB. To the south and south west of the WGAA site there is an increase less than 1dB in noise levels and to the south east there is up to 1 dB decrease in noise levels. Based on the DMRB classification of noise of noise impacts a change in noise levels in the short term, up to 1 dB is negligible and between 1 dB and 2.9 dB in minor.
- 12.6.5 Around the club house building, it is predicted that there would be an increase of up to 3dB (minor adverse impact). A very small portion (north east corner) of the existing pitch which is to remain will experience an increase up to +4.9 dB which is a moderate adverse impact. The north and eastern section of the existing pitch will experience an increase in noise levels of up to 2.9 dB (minor adverse impact), and the remaining of the pitch, less than 1 dB increase (negligible adverse impact).
- 12.6.6 It is generally accepted that a change of 3dB is the minimum perceptible under normal conditions, as set out in the IEMA/IOA guidelines referred to in paragraph 1.2.6. Therefore the increase in noise levels around the location of the existing club house is unlikely to have a significant impact on the users of the building, especially as the activities are likely to take place inside.
- 12.6.7 For the existing pitch which is to remain, there may be some impact on the on the players or spectators in the north east corner of the pitch, for example the ability to hear instructions or other players may be reduced. However this affects a small section of the pitch and the assessment has not taken into consideration any additional fencing/ screening which may be required for the site.