

[REDACTED]

From: [REDACTED]
Sent: 13 October 2021 11:38
To: environmental.health@arun.gov.uk
Cc: [REDACTED]
Subject: Proposed Development at Bognor Regis Golf Club - Acoustics - Consultation (Reference Number: 244998)
Attachments: 02792j_SoundSurveyMonitoringLocations_Rev0_20211006.pdf

To whom it may concern

We have been appointed by our client to carry out a noise impact assessment for inclusion into the Environmental Statement, to support a planning application for a residential development of up to 500 dwellings and associated open space at Bognor Regis Golf Club.

We are proposing to carry out a site visit the week commencing 18th October 2021, to install up to three unattended long-term surveys, of up to 7-days duration. Additional attended short-term surveys will be carried out in and around the site as appropriate. A plan showing the preferred noise monitoring locations is attached, the exact noise monitoring locations will be identified once our consultants are on site, but will include:

- Monitoring Location #01: Western Boundary, overlooking the runway and Southern Cross Industrial Estate.
- Monitoring Location #02: Southern Boundary, representative of existing noise sensitive receptors on Wroxham Way.
- Monitoring Location #03: Northern / Eastern / North-eastern Boundary, representative of existing noise sensitive receptors on Bridger Close.

Measured data will take account of weather conditions during the survey period to obtain a dataset from which representative baseline sound levels for the assessment will be derived, commensurate with the British Standard 7445-2:1991 'Description and measurement of environmental noise - Part 2: Guide to the acquisition of data pertinent to land use' and relevant other guidance.

A qualitative construction noise and vibration assessment will be carried out in accordance with British Standard 5228-1:2009+A1:20214 'Code of practice for noise and vibration control on construction and open sites – Noise' and British Standard 5228-2:2009+A1:20214 'Code of practice for noise and vibration control on construction and open sites – Vibration'.

A quantitative operational road traffic noise change assessment will be carried out in accordance with the methodology in the 'Calculation of Road Traffic Noise' (CRTN) and adopting the criteria from the 'Design Manual for Roads and Bridges, LA111 – Noise and Vibration' (DMRB).

Based on the results of the baseline sound level survey, we will identify any constraints on the proposed development from existing and/or proposed noise sources within the area and assess the suitability of the site for residential development based on guidance provided in the 'Professional Practice Guidance on Planning & Noise' (ProPG) and British Standard 8233:2014 'Guidance on sound insulation and noise reduction for buildings'.

If you have any comments on our approach or there are any specific requirements that we need to be aware of then please do not hesitate to contact us.

Regards

[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

[REDACTED]

From: [REDACTED]
Sent: 14 October 2021 12:48
To: [REDACTED]
Subject: RE: Proposed Development at Bognor Regis Golf Club - Acoustics - Consultation (Reference Number: 244998)

Dear Craig

Thank you so much for your e-mail.

The red line boundary has been amended slightly and we have now been asked to include the site where the golf club will relocate to. I will update the monitoring locations based on your comments and the client request to include the second site and resubmit the plan to you for comment.

With regards to site suitability, we are planning to model the site using SoundPLAN computer modelling software, based on traffic data, rail data and the results of the baseline monitoring.

Regards

[REDACTED]

From: [REDACTED] >
Sent: 13 October 2021 16:43
To: [REDACTED] >
Subject: RE: Proposed Development at Bognor Regis Golf Club - Acoustics - Consultation (Reference Number: 244998)

CAUTION: This email originated from outside of RPS.

Dear [REDACTED]

Thank you for contacting the Environmental Health (Pollution team) with the proposed measurement locations to carry out environmental baseline noise measurements. I have tried to contact you by telephone to discuss the matter and have left you a voicemail.

Having reviewed the location map you have provided and compared with google maps I would opine that noise mitigation measures may be required to protect dwellings / external amenity areas that are closest to the railway line and the A259. I therefore request that an additional 2 unattended long term survey measurement locations are included in the assessment. A measurement taken from the most Northern point of the development site, and another taken from the most Western point of the development site. I have marked the recommended additional measurement locations on the attached location map with an 'X' in black ink.

A quantitative assessment of the impact from Railway Noise on the proposed dwellings (including external amenity areas) should be carried out in accordance with the methodology in the 'Calculation of Railway Noise' (CRN). A quantitative assessment of the impact from Road Traffic Noise on the proposed dwellings (including external amenity areas) should be carried out in accordance with the methodology in the 'Calculation of Road Traffic Noise' (CTRN) and adopting the criteria from the 'Design Manual for Roads and Bridges, LA111 – Noise and Vibration' (DMRB).

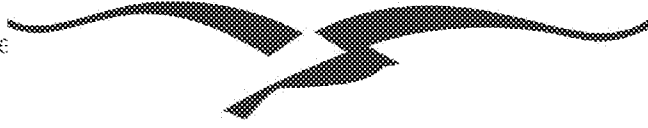
****my understanding from your email was that you had proposed to undertake a CTRN assessment of impact from traffic changes resulting from the proposed development, and had not considered noise impact from the A259****

Please contact me using the telephone number below to discuss the matter further,

Sincerely,

██████████
Environmental Health Officer, Technical Service

T: ██████████
██████████



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[REDACTED]

From: [REDACTED]
Sent: 19 October 2021 10:29
To: [REDACTED]
Subject: RE: Proposed Development at Bognor Regis Golf Club - Acoustics - Consultation (Reference Number: 244998)
Attachments: 02792j_SoundSurveyMonitoringLocations_Rev2_20211018.pdf

Dear [REDACTED]

Please find attached the revised plan showing the proposed noise monitoring locations. When you open up the pdf you will need to rotate it to get the comment boxes to sit in the right positions.

Site A includes the existing golf course/proposed residential development and Site B includes the proposed/relocated golf course. For Site A, the red line boundary has changed slightly and no longer includes the area in the far north. On that basis, I have included one additional long-term survey in the northern part of the site, but I have also included two additional short-term surveys, one in the north-eastern part of the site and one in the western part of the site.

We are planning on setting up the surveys on Friday 22nd October 2021 and leaving them to record for 7 days, weather permitting.

Please let me know if you have any additional comments.

Regards

[REDACTED]

From: [REDACTED]
Sent: 14 October 2021 12:48
To: [REDACTED] >
Subject: RE: Proposed Development at Bognor Regis Golf Club - Acoustics - Consultation (Reference Number: 244998)

Dear [REDACTED]

Thank you so much for your e-mail.

The red line boundary has been amended slightly and we have now been asked to include the site where the golf club will relocate to. I will update the monitoring locations based on your comments and the client request to include the second site and resubmit the plan to you for comment.

With regards to site suitability, we are planning to model the site using SoundPLAN computer modelling software, based on traffic data, rail data and the results of the baseline monitoring.

Regards

[REDACTED]

From: [REDACTED]
Sent: 13 October 2021 16:43

To: [REDACTED] >

Subject: RE: Proposed Development at Bognor Regis Golf Club - Acoustics - Consultation (Reference Number: 244998)

CAUTION: This email originated from outside of RPS.

Dear [REDACTED]

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Having reviewed the location map you have provided and compared with google maps I would opine that noise mitigation measures may be required to protect dwellings / external amenity areas that are closest to the railway line and the A259. I therefore request that an additional 2 unattended long term survey measurement locations are included in the assessment. A measurement taken from the most Northern point of the development site, and another taken from the most Western point of the development site. I have marked the recommended additional measurement locations on the attached location map with an 'X' in black ink.

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****my understanding from your email was that you had proposed to undertake a CTRN assessment of impact from traffic changes resulting from the proposed development, and had not considered noise impact from the A259****

Please contact me using the telephone number below to discuss the matter further,

Sincerely,

[REDACTED]

[REDACTED]
Environmental Health Officer, Technical Service

T: [REDACTED]
[REDACTED]



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[REDACTED]

From: [REDACTED]
Sent: 19 October 2021 22:40
To: [REDACTED]
Subject: RE: Noise survey and assessment: Bognor Regis Golf Club
Attachments: 02792j_SoundSurveyMonitoringLocations_Rev3_20211019.pdf

Dear [REDACTED]

Thank you for taking the time to talk to me today. Please find attached the revised plan showing the proposed noise monitoring locations. Please let me know if you have any issues opening the file. In addition, we are also planning to set up a weather station on site A for the duration of the survey but the exact location will be confirmed once consultants are on site.

Regards

[REDACTED]

From: [REDACTED] >
Sent: 19 October 2021 15:33
To: [REDACTED] >
Subject: Noise survey and assessment: Bognor Regis Golf Club

CAUTION: This email originated from outside of RPS.

Dear [REDACTED],

Following on from our conversation, a standard approach for the surveying of environmental noise in accordance with BS 7445 shall be acceptable. Traffic noise should be assessed in accordance with the 'shortened measurement method' described in the Department for Transport document 'Control of Road Traffic Noise' (CRTN) 1988. The Railway noise assessment should measure noise levels during the passage of each train in terms of the sound exposure level (SEL) and the maximum sound pressure level, L_{Amax} .

Noise and vibration control measures for the construction phase of the development shall be in accordance with BS5228:2009.

The impact of the noise on residential dwellings shall meet the criteria detailed in BS8233:2014.

Kind regards

[REDACTED]
Environmental Health Officer, Technical Service

T: [REDACTED]
[REDACTED]



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