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P2136-L02-LAN

04/07/2023

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Dear Steven,

HEMLAND SCHOOL, CITY OF YORK COUNCIL
ACOUSTIC PLANNING NOTE

Sol Acoustics Ltd ("Sol") has been commissioned by ISG Construction ("ISG") to undertake an acoustic design assessment of the proposed replacement Hempland Primary School, Heworth, York.

This document outlines the noise impact of the proposed site for a replacement school development and justifies why a planning acoustic assessment is not required for the development.

Existing Site

The existing Hempland Primary School is located within the quiet residential area of Heyworth to the north east of York City centre.

The nearest noise sensitive receptors ("NNSRs") to the development site are the existing residential dwellings on Whitby Avenue adjacent to the north, and existing dwellings on Applecroft Road adjacent to the east of the site.

The development and surroundings are presented in Figure 1.



Figure 1: Development site (red line) in relation to its existing surroundings (Google Earth, 2023)

Proposed Development

The proposed development is a two-storey primary school which is to replace the existing school building. The school will consist of a single school building with cellular teaching spaces, two halls, and associated ancillary/office spaces. The proposed site layout is presented in Figure.

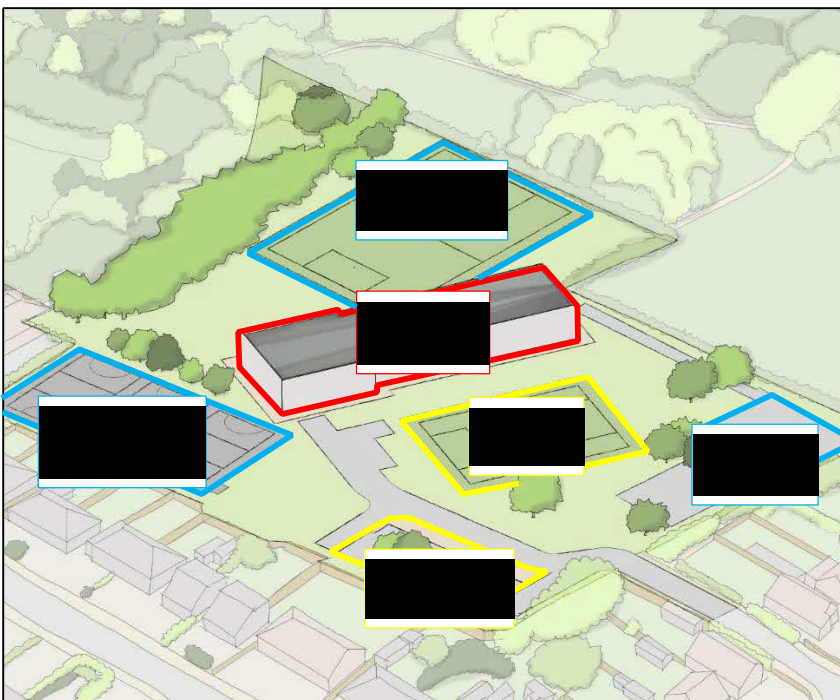


Figure 2: Site location plan showing the new proposed school building location in relation to the site

Commentary

External Intrusive Noise

Based on the noise levels measured on site by Sol in May 2023 and the proposed façade construction, it is anticipated that the internal ambient noise level requirements provided in Building Bulletin 93 (“BB93”) can be achieved using standard double glazing (4mm/12mm/4mm) and an open window natural ventilation strategy for all spaces other than SEN classrooms.

For SEN classrooms, the internal ambient noise level requirements can be met by utilising standard double glazing and a hybrid ventilation strategy incorporating NVHR units.

Occupant Noise

The proposed development includes a new grass play area/sports field to the front of the development, as well as the retained concrete sports court to east, concrete playground to the west and grass play area/sports field to the south (although moved further south). The locations of each, relative to the proposed development are shown in Figure 2.

Given that the occupancy of the proposed school is the same as the existing school and the majority of the existing play areas are being retained, the noise levels at the NNSRs as a result of children playing are anticipated to be as currently experienced. Noise from children playing is prominent at all existing receptors and there will be no significant change.

Traffic Noise

The proposed location of the car park is on the opposite side of the access road to the existing car park, approximately 20m to the east, as shown in Figure 2. The number of cars using the car park and access road will remain the same as using the existing school, therefore the noise levels at the NNSRs as a result of car movements are likely to remain as currently experienced.

External Plant Noise

New external plant equipment associated with the development is to be located on a rooftop plant deck on the east side of the development. Plant noise emission from the equipment will be controlled in line with the requirements of a suitable planning condition provided by the local authority as part of the planning approval.

The background noise level measured as part of the noise survey undertaken by Sol Acoustics in May 2023 will be used to determine the plant noise emission limits to be achieved at the NNSRs to the development and it is recommended that proposals do not exceed the threshold for ‘Adverse Impact’ as defined by BS 4142:2014+A1:2019.

Summary

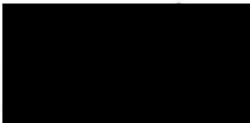
Based on the details provided in this document, it is anticipated that:

- External noise intrusion into the development will be controlled in line with the requirements of BB93.
- Operational noise (occupant and traffic) will be as currently experienced at the noise sensitive receptors surrounding the site.
- External plant noise emission from the development will be controlled in line with a suitable planning condition provided by the local authority in line with BS 4142:2014+A1:2019.

As the above shows that the noise produced by the development will result in a negligible change to the noise climate at the surround noise sensitive receptors and external noise intrusion will meet the requirements of BB93, it is considered that a full noise impact assessment is not required for planning.

Yours sincerely

For and on behalf of Sol Acoustics Limited



LAWRENCE NORMAN