Noise Assessment (Report CS/071060-09 dated 07th July 2014)

Conclusions

The new housing development is proposed on playing fields off Carrington Avenue, Barnsley. The Capita report describes the results of the baseline environmental noise level survey at the proposed site and mitigation measures required to houses along Carrington Avenue and the Hallam rail line in order to meet internal noise levels as discussed with Barnsley EHO.

Noise levels from local roads and the Hallam rail line are indicated to meet the proposed external noise criterion for private gardens in all areas.

External Noise Levels

The noise model shows that L_{Aeq} noise levels across the majority of the site are typically well below WHO external noise guidelines for day- and night-time.

Internal Noise Levels

By incorporating the following measures, the WHO recommendation of 45 dB L_{Amax} should be met for the highlighted Plots 4 - 38 with all bedrooms with a direct view to the the Hallam rail line boundary.

Glazing specification to include windows having a manufacturers minimum sound insulation value of 45 dB (RW) with background ventilation being provided by acoustic vents which when fully open, provide a comparable sound insulation value to that of the closed window system, e.g. 4mm glass x 16mm air-gap x 4mm glass with Trox FSL-B-60 ventilator OR equivalent.

Standard thermal double glazed windows / normal trickle vents to be fitted to all other living rooms and bedrooms not having having a view of this boundary.

1.8m high larch lap wooden fence plot boundary division demarcation is to be erected to all plots backing onto the Eastern Railtrack Boundary. NOTE:- The existing chain link fence and substantial planting is to be retained along this boundary and suitably protected during construction operatiions.

CARRINGTON AVENUE

Allotment Gardens

SL

MP 52.25

HONEYWELL LANE

LEAP

Rev.	Description	Drawn	Date

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Project Title
Honeywell Lane
Barnsley College
Barnsley

Drawing Title
Acoustic Mitigation Measures

Scale	Drawn By	Checked By	Authorised By
1:500	STEN		
	Date 20.04.16	Date	Date

Job No.	Drawing No.	Revision
811121	811121-12	-

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