Plot 9, First Street – CMP Addendum – Noise

This section is extracted from BAM's Project Management Plan (including Construction Phase H&S Plan) for Plot 9, First Street.

Nuisance Prevention

In considering the potential for Nuisance due to Noise, consideration has been made against BS 5228-1:2009 + A1:2014 Code of Practice for Noise and Vibration Control on Construction and Open Sites. BS 5228 has been considered as guidance and will be considered as noted when planning and implementing work activities.

For specific areas of the works, all Contractors will establish and review their anticipated Noise Production Levels and fully demonstrate, with consideration to BS 5228, that their Task / Trade Specific Risk Assessments and associated Method Statements consider areas of evaluation required.

Baseline background Noise Level Surveys will be undertaken by appropriate Professional monitoring engineer prior to the physical site works commencing at project outset. This will be held as record through the duration of the works, and will be made available to any parties with legitimate request to see it.

Note – there are no Blasting Works on this project.

The following general measures are to be implemented to reduce the nuisance to neighbours, and to ensure they have an appropriate amount of involvement with the project. In addition, a more detailed assessment considering BS 5228 is given in table form below these general notes.

General Notes

- Physical Construction / Demolition works shall be confined to the following hours unless otherwise agreed in writing by the City Council's Environmental Health Service:
    - Monday - Friday: 7.30am - 6pm
    - Saturday: 8.30am - 2pm
    - Sunday / Bank holidays: No work
- The Local Authority's Environmental Health Officer will be kept informed of all upcoming activities that may impact on the local residents.
- A complaints register will be set up, using the form 405-411. The Project Sustainability Manager will take immediate action on receiving a complaint, and respond to any complainant by the end of the next working day

Specific Noise Control Considerations

Risk Area	Guidance Considered	Control Measure / Mitigation
Nuisance being caused by Noise affecting nearby Residents / Neighbours	BS 5228 – Section 4 – Community Relations	• Establish good relations with neighbours • 6 monthly newsletter to surrounding areas • Contact Details for Project Manager displayed at entrance • PM to be Public Liaison • All complaints to be recorded and answered within 48 hours.
Contractors / Operatives – Production of Noise	BS 5228 – Section 5.1 - Training	• Operatives to be sufficiently trained to undertake tasks safely and understand and consider Noise as a hazard.

Risk Area	Guidance Considered	Control Measure / Mitigation
		• Subcontractor RAMS to fully consider and demonstrate – • 1 – proper use & maintenance of tools – reporting • 2 – positioning of machinery on site to minimise noise nuisance to operatives and neighbours • 3 – avoiding unnecessary noise when carrying out manual tasks or operating plant and equipment. • 4 – protection of all persons against noise • 5 – correct use of Sound Monitoring Equipment (designated personell)
Contractors / Operatives – Noise induced hearing loss	BS 5228 – Section 5.2 & 5.3 – Protection from Noise Induced Hearing Loss	• Production and implementation of fully considered RAMS for task / activity. • Subcontractor RAMS to fully consider and demonstrate – • 1 – Management of and Reduction in Exposure time where applicable • 2 – Full and appropriate Hearing Protection PPE to be used as considered in RAMS • 3 – Consider location of works – e.g confined space, noise reflective surfaces etc • 4 – Appropriate screens and segregation for all, including those not involved in the task • 5 – Directional Noise from plant – attendant banksmen to be considered • 6 – Plant cabs to have appropriate Noise Reduction through Cab walls / screens / doors • 7 – Tools should be Sound Reduced where possible, and Operatives to have full appropriate PPE.
Contractors / Operatives – Noise Induced Stress	BS 5228 – Section 5.4 – Mitigation and Controls for Workforce	• Production and implementation of fully considered RAMS for task / activity • Subcontractor RAMS to fully consider and demonstrate – • 1 – Understand the impact of noise on the wider workforce, not those necessarily involved in the task – obtain feedback from Site Personnel on Noise levels • 2 – Have “Noise across site” as a heading in the daily co-ordination meetings, listen and act on concerns raised.

Risk Area	Guidance Considered	Control Measure / Mitigation
Neighbourhood Nuisance – Site Noise Levels impacting neighbours / nearby residents	BS 5228 – Section 6 – Disturbance to Neighbours	• Site to be set up by BAM to have clear and consistent site rules / procedures / controls in respect of noise (as noted within this wider section), however specifics to be considered • 1 – Compliance with approved RAMS • 2 – Competent Trained Operatives • 3 – Deal with complaints objectively • 4 – Site working hours to be followed for any noise generating works – do not deviate unless with prior MCC / EHO notification, or in Emergency Situation • 5 – Ensure the project demonstrates that it is doing all it reasonably can to minimise noise in carrying out the works Baseline Noise levels will have been established prior to works starting.
Fully Considered Project Supervision / Management / Planning the works	BS 5228 – Section 7 – General Aspects	• All works to be planned and considered across the whole project programme giving due regard to reasonable mitigation means in carrying out noisy activities. • 1 – Programme to allow sufficient time for activities to ensure they do not over run site hours, or produce a constrained environment meaning more persons are in direct vicinity than required. • 2 – Early identification of Noisy Activities to be made, and where reasonably practicable, change these activities to more appropriate methods • 3 – Identify High Level Noise Activities on Programme and ensure appropriate measures will be taken prior to RAMS approval and works commencing. • 4 – Noise to be controlled at source where possible. • 5 – Regular Noise monitoring to be undertaken, and records kept. Action to be taken if trigger levels are exceeded, with appropriate corrective measures / review of RAMS before works re-commence if required. Baseline Noise levels will have been established prior to works starting. • 6 – Appropriate signage to be in place at site entrance, work areas, and all relevant locations clearly stating noise control / protection measures required.
Control and Management of Noise Generation	BS 5228 – Section 8.2.1 -	• The following considerations need to be made by all contractors on the project. Demonstration through

Risk Area	Guidance Considered	Control Measure / Mitigation
and Reduction at Source	Control of Noise at Source Generally -	RAMS as required, and compliance achieved at all times – • 1 – Avoid unnecessary revving of engines / machinery. Start up plant sequentially. • 2 – Ensure haul roads / gates are maintained to ensure reduction in repetitive impact noise from transit of loads • 3 – Ensure all plant has appropriate sound reduction measures in place as applicable. • 4 – Enclosures to be utilised as deemed required in RAMS. • 5 – Machinery and Plant to be located as far as possible from sensitive noise receptors if practicable. • 6 – Maintenance to tools, equipment and plant to be undertaken regularly. Ensure all acoustic covers are in good order and in place at all times.
Noise generated during Piling Works	BS 5228 – Section 8.5 – Piling Works Noise Control	• BAM have appointed a specialist competent piling contractor for this aspect of the works. Methodology and Plant to be used to be covered with RAMS to be submitted. RAMS to fully consider and demonstrate mitigation measures as applicable within Section 8.5 BS 5228 in addition to • 1 – Piling install works to take place within the site working hours as noted • 2 – RAMS to demonstrate the anticipated levels of noise that will be generated, and mitigation to direct attendant personnel, and wider affected persons as applicable. • 3 – RAMS to cover and ensure adequate noise measurements are made, with records kept.