

**NOISE MANAGEMENT PLAN**

Number: 6409

Author: Rupert Ogilvie

Issue:

1

Date:


04.02.2022

Approver:

## Construction Noise Management Plan

<b>Client –</b>	Welwyn Hatfield Borough Council
<b>Principal contractor –</b>	Bourne Parking Limited
<b>Site Address –</b>	Campus West, The Campus, Welwyn Garden City, AL8 6BX
<b>Planning application Ref.</b>	6/2021/2207/MAJ.
<b>Contract Scope –</b>	To provide a new single storey car park, including open escape stairs, external elevation treatment and associated landscaping
<b>Contract Number –</b>	6425

Revision	Date	By whom	Reason for revision
1	04/02/22	Rupert Ogilvie	

Name	Role	Contact details	Address
Rupert Ogilvie	Responsible for submitting & updating this Plan	<a href="mailto:rupert.ogilvie@bournegroup.ltd">rupert.ogilvie@bournegroup.ltd</a> 	Endeavour House, Crow Arch Lane, Ringwood, Hampshire BH24 1HP

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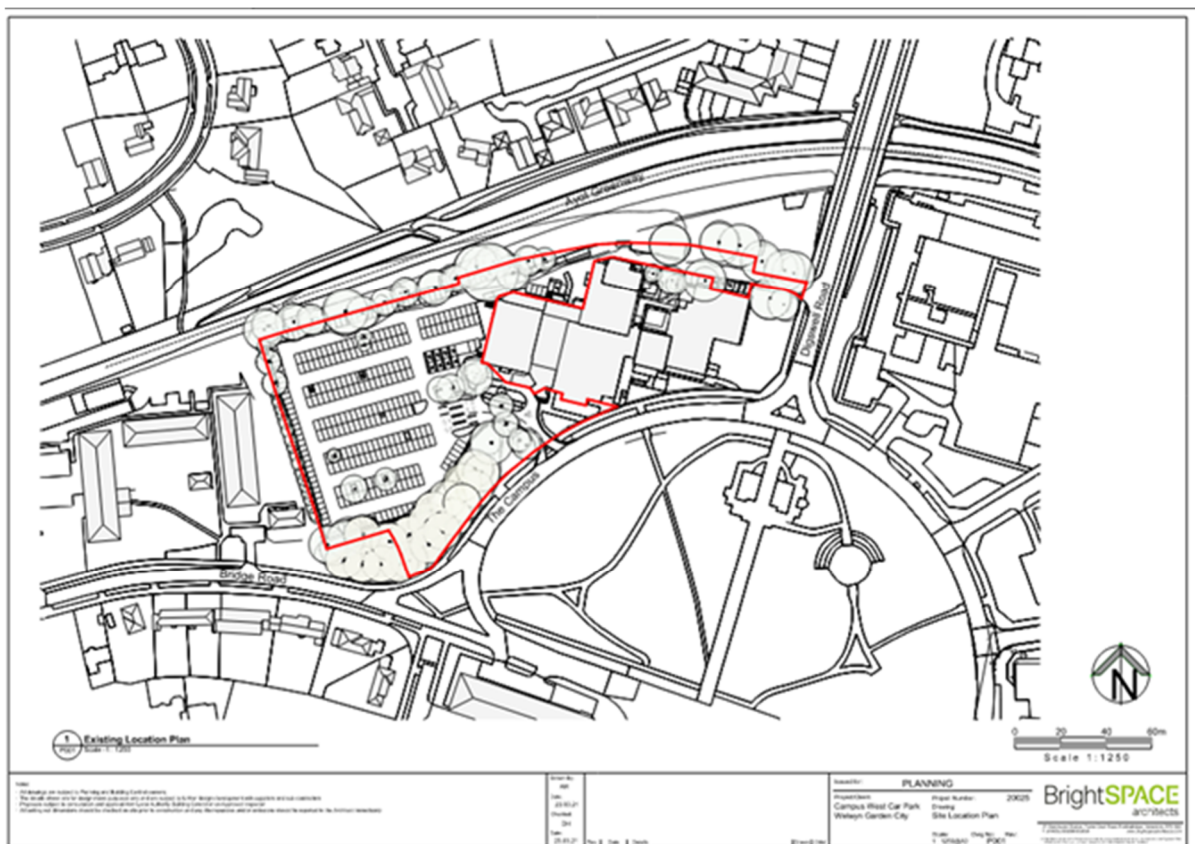
**bourne**  
GROUP

Lawrence Bradford	Responsible for day-to-day management of the works and dealing with any complaints from local residents, businesses & community liaison	<a href="mailto:lawrence.bradford@bournegroup.ltd">lawrence.bradford@bournegroup.ltd</a> 	Endeavour House, Crow Arch Lane, Ringwood, Hampshire
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## 1.0 Introduction

*This protocol will form a section of the Construction H&S Plan and within the relevant section of the Environment Management Plan. The controls within this document are to be complied with by Bourne Group and all subcontractors during the construction works.*

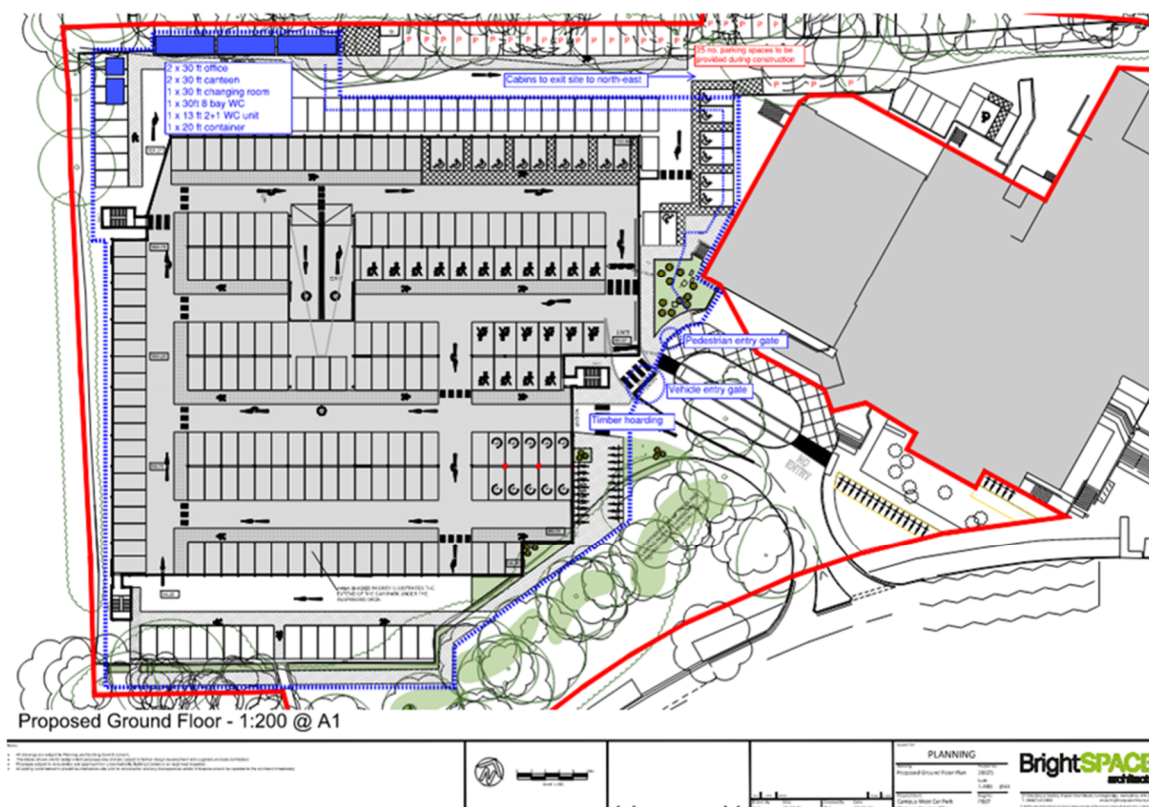
## 1.2 Location Plan.



20025-Campus West-P001-Site Location Plan

### Site Set up

*The existing Campus West car park is bordered by mature trees to the North, South and West elevations and Campus West leisure centre to the East.*



*The new single storey car park occupies the majority of the existing car park, and as such results in limited opportunity for on-site facilities. Temporary welfare and office facilities will be located to the North of the site the entire site perimeter will be enclosed by solid timber hoarding acting as a sound barrier separating site operations and nearby noise sensitive premises.*

## **2.0 Selection of plant**

*Where possible noise levels at source are to be reduced by the careful selection of plant, with plant and equipment in a good state of repair.*

*All construction plant and equipment should comply with EU noise emission limits.*

*All plant and machinery in use shall be properly silenced and maintained in accordance with the manufacturers' instructions.*

*All compressors shall be sound reduced models, fitted with properly lined and sealed acoustic covers, which shall be kept closed whenever the machines are in use. All ancillary pneumatic percussive tools shall be fitted with mufflers or silencers of the type recommended by the manufactures.*

*Items of plant and equipment shall be maintained in good condition so that extraneous noise from mechanical vibration, squeaking or creaking is reduced to a minimum.*

*Where practical, rotary drills and bursters, actuated by hydraulic or electric power shall be used for excavating hard material.*

*In general, equipment for breaking concrete and the like, shall be hydraulically actuated.*

## **2.1 Deployment of plant & Working methods.**

*Operation of site plant will only be carried out between 8.00am and 6.00pm on Monday to Friday 8.00am and 1.00pm Saturdays and at no time on Sundays and Bank Holidays.*

*The off-site construction methodology typically requires fewer deliveries than traditional construction techniques and a faster build both combining to the emission of site born sound.*

*All machines in intermittent use shall be shut down during intervening periods between works or throttled down to a minimum.*

*Materials should be handled with care and whenever practicable not dropped. Plan deliveries in off peak periods where practicable.*

*Traffic management schemes to be implemented and maintained*

## **2.2 Positioning of Plant & Equipment.**

*Locating noisy plant and equipment as far away from noise-sensitive receptors as reasonably practicable and, where possible, carry out loading and unloading in these areas.*

*Orientating plant that is known to emit noise strongly in one direction so that the noise is directed away from noise-sensitive receptors, where possible.*

## **3.0 Environmental Noise control measures & Monitoring.**

*Bourne will be responsible for undertaking regular boundary noise monitoring.*

*Noise monitoring within the work zones will be undertaken during noisy operations to check compliance with the Control of Noise at Work Regulations. This data will also be used to identify any increasing noise levels associated with the works*

***Several environmental aspects have been considered as summarised below:***

**- Reducing noise and vibration**

Low noise and vibration equipment shall be used wherever possible. HAV and noise assessments shall be included in task specific risk assessment. Where monitoring is identified as required this shall be undertaken by shift and recorded.

All plant and machinery in use shall be properly silenced and maintained in accordance with the manufacturers' instructions.

All compressors shall be sound reduced models, fitted with properly lined and sealed acoustic covers, which shall be kept closed whenever the machines are in use. All

ancillary pneumatic percussive tools shall be fitted with mufflers or silencers of the type recommended by the manufactures.

All machines in intermittent use shall be shut down during intervening periods between works, or throttled down to a minimum. Noise emitting equipment, which is required to operate continuously, shall be housed in suitable acoustic enclosures.

Items of plant and equipment shall be maintained in good condition so that extraneous noise from mechanical vibration, squeaking or creaking is reduced to a minimum.

Any pile driving shall be carried out by a recognised noise reducing system.

Where practical, rotary drills and bursters, actuated by hydraulic or electric power shall be used for excavating hard material.

In general, equipment for breaking concrete and the like, shall be hydraulically actuated.

'BS 5228 Noise Control on Construction Sites' should be referred to for guidance in respect of all work carried out by the developer, their main contractor and any sub contractors.

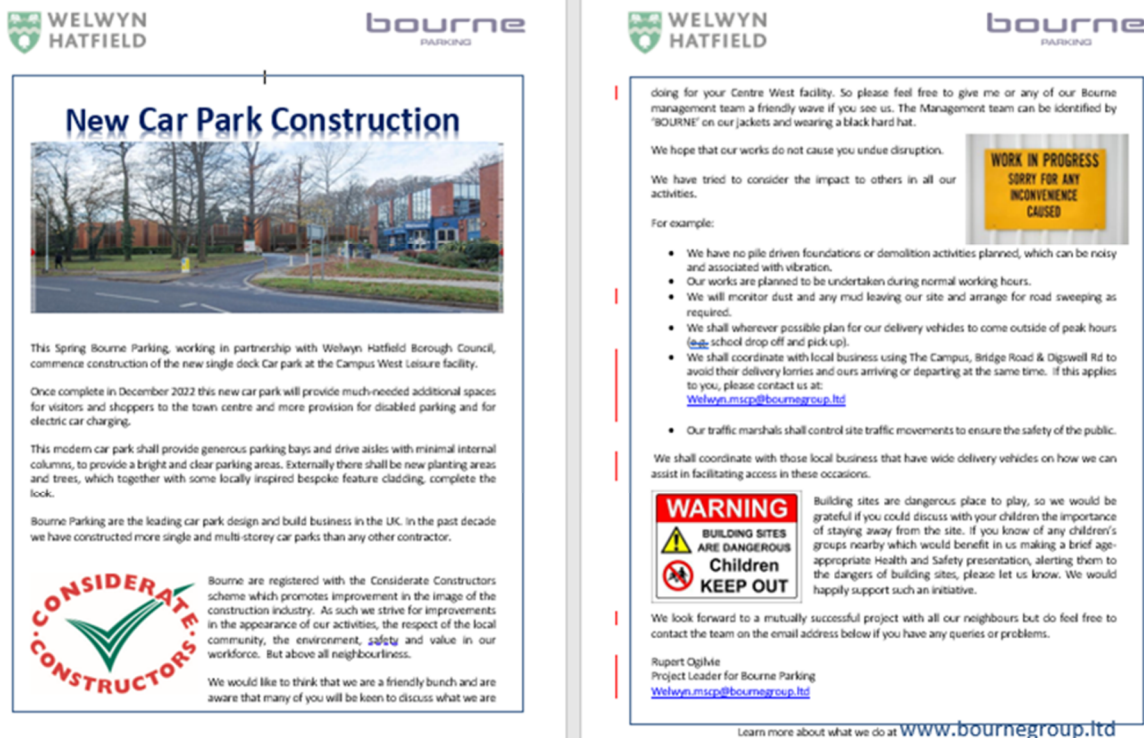
Any emergency deviation from these conditions shall be notified to the Council without delay.



#### 4.0. Neighbouring Residents.

Bourne will issue a letter drop to neighbours introducing the site team along with a project email address allowing residents to relay their questions directly to them. As the project progresses regular letter drops will be done keeping the residents updated.

Example of Letter drop.



A register of comments / requests will be recorded and addressed accordingly.

Consultation will take place with local businesses to establish their delivery schedules and peak drop off/collection times and that the deliveries to the site shall then

In order to minimise disruption to the neighbouring residents and businesses, it will be important to properly consult with other stakeholders in a timely manner.

This process will commence with client representatives discussing the scheme with neighbours, including at public consultation meetings.

#### **4.1 Complaints procedures**

BPL operate an internal procedure for complaints or problems for our staff and subcontractors working on each project. This provides them with a direct route to senior management reporting to the Project Leader.

Any comments or complaints raised by others shall be facilitated by a notice displayed on the perimeter hoarding. This shall be produced in conjunction with WHBC to ensure compliance. A telephone number or email address shall be provided for anybody to contact the project team.