

**Construction Stage Dust and Noise Mitigation
Strategy**

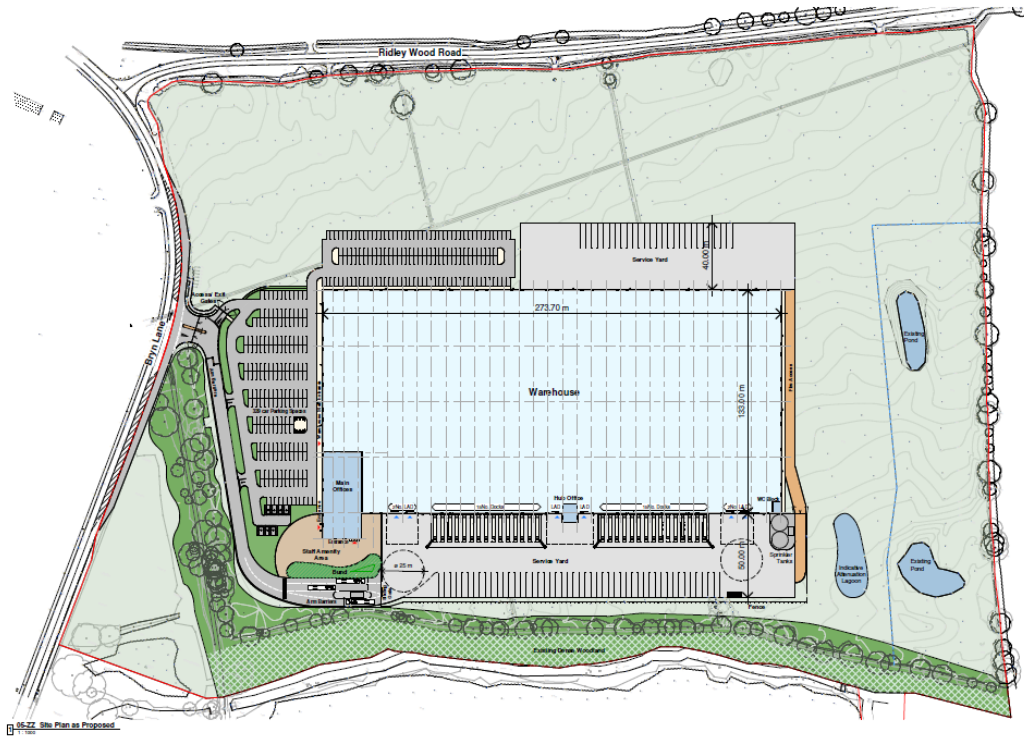
For

New Facility at Bryn Lane Wrexham

June 2021

Introduction

This strategy covers the works that will be carried out on behalf of Net World Sports at Bryn Lane Wrexham.



The purpose of the strategy is to demonstrate how the site will be set up and run so as to remove the potential impact on neighbours and the environment.

Background

The site sits adjacent to Bryn Lane and within the Wrexham industrial estate and is the subject of a planning application for a new warehouse and office facility. The site is currently undeveloped.

To the east of the site there are 2 residential properties. To the West of the site there are a number of businesses in existing industrial units



The construction of the building will be a traditional steel frame with cladding to the walls and roof with doors and windows. Piling works will not be required.

Local residents / businesses will be provided with a site newsletter prior to works commencing and throughout the project – this will provide contact details for Portal in the event that they wish to report any concerns.

Noise Mitigation

Site working hours will be restricted as follows:

Monday – Friday 0800 – 1800

Saturday 0800 – 1300

Sunday / Bank Holidays No works

Deliveries will not be accepted to site outside of these hours and all contractors on site will be advised of this and will have this requirement written into their orders.

The primary source of noise on the project will be from plant and machinery (as noted above there will be no piling required)

The following will be implemented in order to mitigate noise impacts:

- Best Practicable means will be employed at all times during the works with the correct selection and appropriate use of plant and equipment.
- Each item of plant will comply with the noise limits quoted in EC directive 2005/88/EC
- The plant will be maintained in good and effective working order.
- All plant utilised will be fitted with effective exhaust silencers.

- Machines not in use will be shut down and not left idling.
- Fixed plant items (eg pumps) will be electrically operated where possible.
- Where fixed items of plant cannot be electrically powered then acoustic screening will be utilised and they will be positioned away from sensitive noise receptors.

It is not intended that temporary power will be via generators – a temporary electric connection has been obtained for the site set up / welfare facilities.

The only activity that will need to be carried out outside of the restricted working hours will be the concreting of the warehouse floor slab. This activity is carried out when the cladding works are completed which is approximately halfway through the programme.

For the concreting of the floors to take place (and powerfloating is the process of finishing this concrete) we need the building envelope to be weathertight – hence we will not commence the works until the cladding to the walls and roof is complete.

Due to the nature of the activity, it is likely that powerfloating of the concrete poured during the day will take place through the night. The planned duration of this work is 3 continuous weeks but will not take place over the weekends. As the envelope of the building is complete there is limited noise 'break out' as the cladding provides an acoustic barrier preventing noise breakout. The plant that is used for the powerfloating is limited – there will be supersilenced diesel tower lights within the building to light the work area and petrol engine powered ride on powerfloats.

The only element of the building generally not completed prior to the floor concreting taking place are the access doors – when powerfloating is taking place adjacent to an unfinished door a temporary barrier will be installed to the door – this would be 100mm thick ridged insulation board placed across the door opening.

If an activity is taking place outside of the permitted (by the planning condition) working hours it is standard practice to notify any properties likely to be affected as well as the local Authority. As part of this notification contact details will be provided for the out of hours site supervisor.

Dust Mitigation

As noted above the site is currently undeveloped and as such no demolition or on site crushing works will be required.

The principal risk of dust will arise from the site earthworks and vehicle movement within the site during construction. The following will be adopted to remove / mitigate the impact of dust.

- Excavated material is not being removed from site thus reducing the number of vehicle movements.
- Drop height of material being loaded into dumpers will be minimised.

- On site excavated material being placed in landscape mounds will be sealed at the end of each shift to prevent wind blown dust
- Site roads will be stoned up with fine material at the surface regularly removed. Roads will be finished with the permanent surfacing as early as possible within the programme.
- Damping down on site will be used as required using tractors and water bowsers.
- A speed limit of 5mph will be adopted on site.
- A wheel washing facility will be provided for waggon leaving site.
- The public road adjacent to the site will be cleaned on a regular basis with roadsweepers.

Monitoring.

All operatives on site will be made aware of the above measures at the site induction. Compliance with the measures will be monitored by Portal Site Management.