

Construction Logistics and Constraints

EML Facility Expansion

EISAI Manufacturing Ltd

Project number: 60681916

22 June 2022

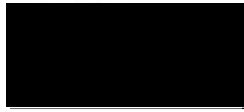
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1. Introduction

This document sets out a framework for the Construction management of EISAI Warehouse Expansion project. This methodology will form part of the contract between EISAI and the Contractor and set parameters and constraints to which the contractor is to operate within. The main aspects of this document will cover;

1. Site Logistics
2. Site Security
3. Noise, Dust and Vibration
4. Site Conditions
5. Waste Management
6. Site Housekeeping
7. Working Hours

A further detailed construction methodology will be prepared by the Principal Contractor once appointed. Detailed site specific risk assessments and working methodology, compliant with CDM Regulations 2015 will also to be provided by the Principal Contractor prior to each work activity taken place following agreement with the supply chain.

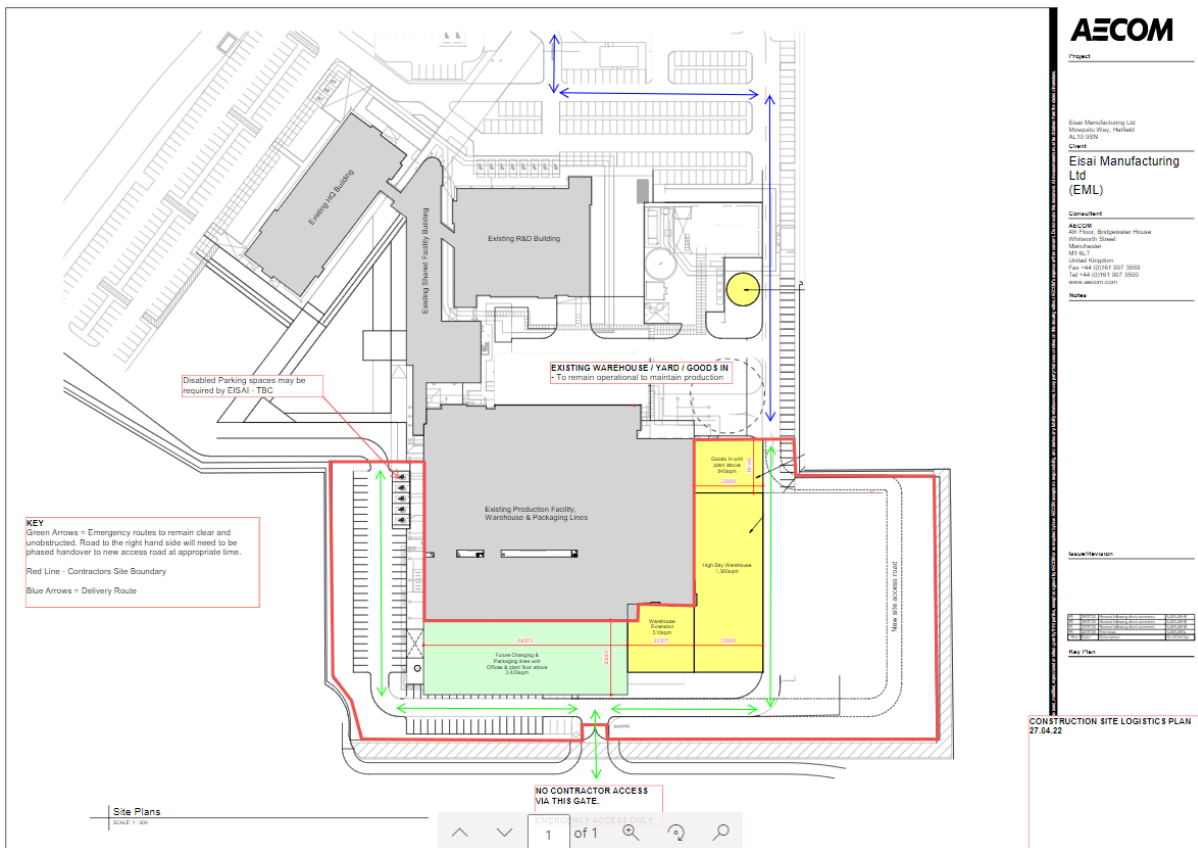
The project will be carried out in line with the Principal Contractors Health, Safety, Environmental and Quality policies which are to meet or exceed the current relevant legislation, policies, codes of practices and standards.

2. Site Logistics

Construction logistics will be tightly controlled, co-ordinated and managed through EISAI's main entrance from Mosquito Way. All construction vehicles will be routed as indicated with blue arrows on the diagram below.

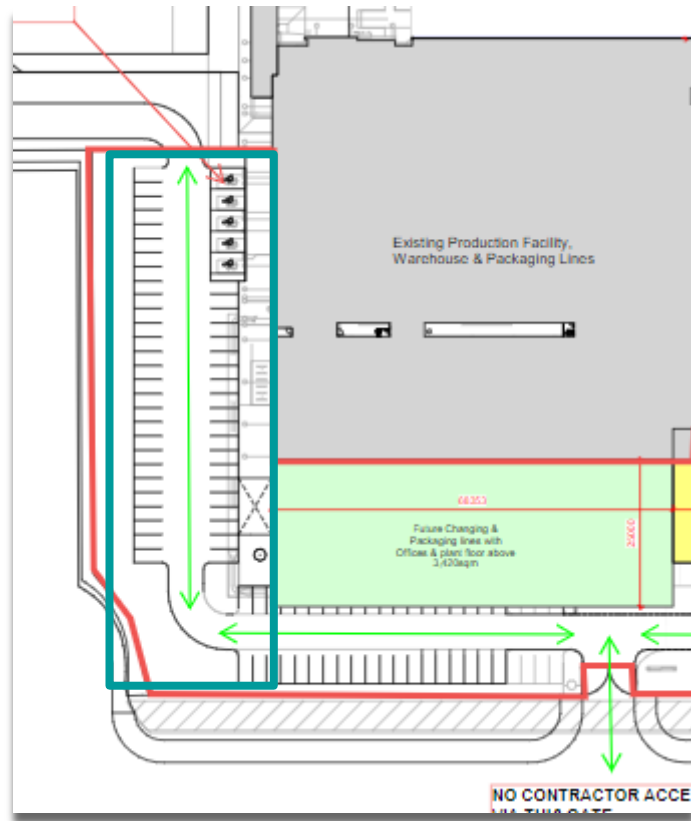
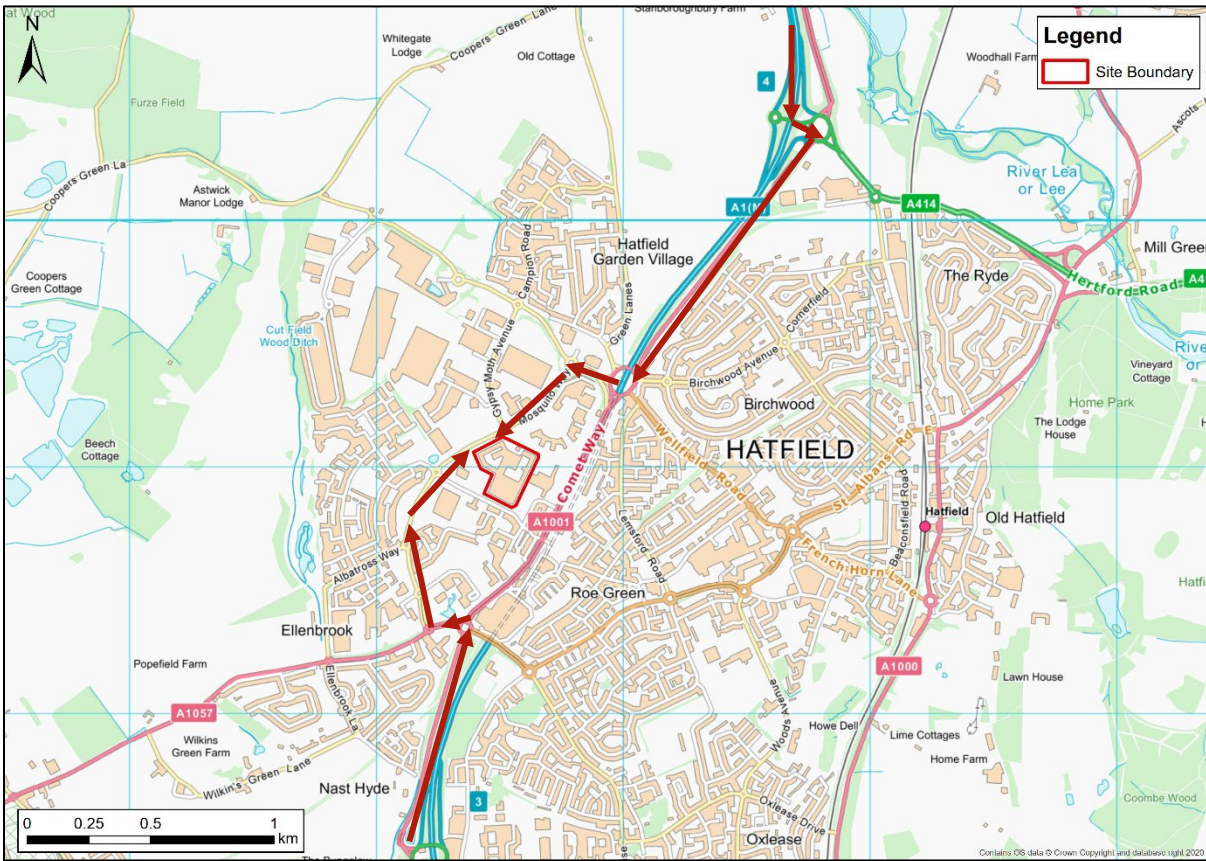
Construction traffic will report to EISAI's security gate on arrival and then be directed to site. Once delivery have been made to site the construction traffic will be required to turn within the site boundary and exit the same way.

Regular communication will be maintained with EISAI site security to co-ordinate traffic movements of deliveries. Weekly delivery schedules will be provided to the gatehouse Gatehouse to ensure a co-ordinated approach of site traffic management and enable quick processing of deliveries to avoid vehicle congestion within the site entrance. All material deliveries to site will be notified of the check in procedure.



The green arrow on the above plan indicate the routes to be kept clear for access by emergency vehicles. Access via Tamblin Way is not permitted by Construction traffic.

The site is well connected to the A1(M), which is envisaged to be the main delivery route for construction traffic. Vehicles arriving from the North will access site from Junction 4 and vehicles from South via Junction 3 as indicated below.



Parking for Contractors is anticipated to be located in the area indicated in the light blue. The area or the will also be used to accommodate the site welfare.

The Principal Contractor's site set up will be in accordance with CDM regulations 2015. The accommodation will comprise of;

- Office space
- Meeting space
- Welfare facilities including (Toilet provision, Kitchenette/canteen – including eating area, drying room, and washing facilities).

Loading and unloading of material deliveries will be undertaken within the site redline boundary. Storage of all materials and plant will also be confined within the site boundary. Designated material storage space likely to be towards the East of the site. Any hazardous materials will be stored in appropriate secure containers.

3. Site Security

Generally, the site will be secured using the existing boundary fence (a circa 2.4m metal fence), where segregation is required between the site and the carpark areas a timber hoarding and access gates will be installed. The entrance gate will be operated by the Main Contractor site banksman.

The site sits within the wider EISAI site, which is secure with 24/h security. Access to the site is managed with controlled access turn styles for pedestrians and vehicle barrier control.

Initial Security arrangements which require consideration include but not limited to:

- The site boundary will be fenced with a 2.4m solid hoarding to the perimeter of the construction site where no segregation exists, in addition 2.4m high gates will be installed and manned during site working hours to facilitate deliveries.
- Site Offices will be located within the confines of the main site boundary. The site offices will be secured and alarmed when not occupied.
- Plant / equipment will be secured overnight, small plant/equipment will be secured in metal containers
- Trespassers will be excluded by the Hoarding displaying suitable construction site information signage.
- Out of hours contacts numbers will be posted on the site notice board
- Access will be made available to EISAI site security for any out of hours issues which made necessitate entering the site.
- Adequate external lighting

4. Noise and Vibration

Works are to be carried out in a manner to minimise noise impact as low a level as can be practicably. The Principal Contractor shall use mufflers and acoustic enclosures if necessary and electric powered tools and plant wherever possible. Works shall comply to the recommendations in BS 5228 Code of Practice for noise control on demolition and construction sites.

All vehicles and mechanical plant used for the purpose of the works will be fitted with effective exhaust silencers and will be maintained in good and efficient working order. All pneumatic percussive tools will be fitted with mufflers or silencers of the type recommended by the manufacturers. Where break out and demolition activities take place operators of tools will wear the correct ear protection. Machines used intermittently will be shut down in the intervening periods between operations or throttled down to a minimum.

Liaison with local site neighbours will take place on a regular basis to inform them of particularly disruptive works upcoming.

Activities with risk of Hand-Arm Vibration (HAVS) and full-body vibration will be mitigated with the use of low-vibration tools and plant and limited exposure in accordance with The Control of Vibration at Work Regulations 2005.

5. Dust

The Principal Contractor will utilise the following for dust suppression: The dust suppression methods will also be follow the recommendations of HSE Construction Information Sheet 36 (Rev 3) 'Construction Dust', as included in Appendix A.

- All demolition plant will be accompanied by water suppression systems to dampen down airborne particles.
- A misting system will be used at the perimeter of the works areas to minimise airborne dust.
- The demolition methodology will minimise dust by ensuring the buildings are appropriately dismantled.
- Any movements of waste will be done at a speed and manoeuvred to ensure minimal dust arises from vehicles.
- Vehicle loads will be dampened before any vehicle movements and will have dust sheets if leaving site.

6. Waste Management

Waste materials will be deposited into skips positioned within the site boundary. The skips will be designated for specific materials to manage the waste segregation and environmental management.

Contractor Waste management is to achieve the requirements set out in BREEAM Wst 1.

Waste arisings during demolition are to be continually monitored to provide a thorough understanding of the types and amounts of waste coming from the site. This data collection will proceed into the demolition phase and will help with the continual improvement of material and waste management on site. Data collected can also be used to help set more demanding waste segregation targets for future demolition projects.

A pre-demolition audit will be carried out for the demolition of the hardstanding's and the recommendations are to be implemented. These are anticipated to be;

- Consultation with local waste management facilities to determine which materials identified in the pre-demolition audit can be re-used / recycled and diverted from landfill. Act on recommendations to reduced re-use / recycle where practical.
- All storage areas on Site is to be appropriate for the types and quantities of waste anticipated to be produced during demolition. These areas should allow for the successful segregation of waste, as appropriate to avoid contamination of the different waste streams.
- All site staff should have appropriate levels of training to ensure the segregation of waste is achieved. Waste management information will be included within the Site induction for all personnel. A reporting procedure (SWMP/CRMP) is put in place to catalogue the materials/waste produced, which is regularly updated.
- Materials identified within the pre-demolition audit are to be incorporated into a SWMP/CRMP for effective management of materials/waste. Although there is no longer a legal requirement to do so, it is considered good practice on all construction projects and is a key step in facilitating diversion from landfill rates
- A Waste Champion is to be nominated for the Site to facilitate management of the SWMP/CRMP. This role would also aim to ensure that the waste hierarchy is considered at all times, with the emphasis being on reducing, reusing and recycling before landfill disposal is considered.
- Identify possible options for reclamation, a key way of reducing and reusing material/waste generated from Site activities. This also often results in reduced transportation, reducing CO2 emissions and costs associated with waste management on the project. To maximise this opportunity, it is advised that the following are considered:
 - Opportunities for re-use on Site;

- Opportunities for re-use by the client on other projects;
- Opportunities for re-use on local/similar projects;
- Advertisement of specific items on websites (e.g., www.salvo.co.uk);
- Contacting local architectural salvage merchants about specific items; and
- Selling or gifting items locally.

7. Signage

Around the perimeter of the site, statutory signage will be displayed to deter trespassers and advise the general public of the nature of the works. This signage will also be used to direct visitors and deliveries to the appropriate site access points.

Within the site signage will be established to provide direction to site operatives and delivery drivers and warning to site operatives, delivery drivers and site visitors.

Such signage will include but not be limited to information regarding:

- Access routes
- Speed limits
- Height restrictions
- Overhead/Underground services
- Safety helmet, footwear and PPE requirements
- Noise restrictions
- Warning notices

Within adjacent roads directional signage will be displayed to advise all deliveries of the site location.

8. Site Conditions

Prior to the commencement of any works on site, a full detailed photographic survey will be carried out by the Principal Contractor, covering the site, services roads, footpaths and the external appearance of properties in close proximity to site.

The survey will be referenced to a site plan and issued to all necessary parties (namely EISAI) for record purposes.

Intrusive surveys have been undertaken to inform the project design requirements regarding the existing status of the site. These surveys include; below ground utilities survey, acoustic background noise, topographical survey, ecology surveys and arboricultural survey.

9. Site Working Hours

The site working hours are to be 08.00 to 18.00 Monday to Friday and 09.00 to 13.00 on Saturday. Any works planned outside of these timeframes will be agreed with the Local Authority in advance.

Within the above working hours the site will have a half hour quiet period each day at an agreed set time with the local neighbours.

10. Site House Keeping

To ensure there is a reduction in the likelihood of either an environmental incident or a nuisance occurring the Principal Contractor will implement the following;

- Cleanliness of working areas, treatment of perimeters and provision of adequate staff facilities to be maintained and will be inspected daily;
- Secure storage of waste on site to prevent wind blow;
- Effective preventative pest and vermin control, including arrangements for disposing of food waste.
- Prohibition of open fires on the site and a requirement to take measures to minimise the likelihood of fires;
- Maintenance of wheel washing facilities or other containment measures all site exits and will implement a road sweeping programme when deemed necessary in line with traffic movements;
- Containing and limiting visual intrusion of construction sites, where reasonably practicable;
- Provision of maps showing sensitive areas and buffer zones where no potential pollutants (e.g. fuels, oils and other chemicals) are to be stored or used will be included within any Method Statements and Risk Assessments;

11. Resident Liaison

Details of the project nominated resident liaison representative are, included below.

Name: Robert Paige

Email: Robert_paige@eisai.net

Contact Phone Number: 0845 676 1400

Appendix A - HSE Construction Information Sheet 36

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