Construction Management Plan

PROPOSED ALTERATIONS / EXTENSION
OUR LADY'S CATHOLIC SCHOOL ALWORTH ROAD BLACKLEY
MANCHESTER M9 0RP



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HOWARD & SEDDON
PARTNERSHIP
RIBA CHARTERED ARCHITECTS

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1. Scope of Works

1.1 The scheme involves the erection of an educational buildings (1389sqm) to provide additional teaching space (two) classrooms for the existing school.

1.2 Existing and Proposed Plans are included in the Appendix to this document for reference.

1.3 The proposed works are detailed with Planning Application ref: 139521/FO/2024 and approved drawings.

2. Enabling Works / Formation of Site Perimeter

2.1 At the commencement of site works, the perimeter of the site will be established and securely protected with a good quality robust timber fencing.

2.2 All necessary signage will be provided to the perimeter of the fence in accordance with the HSE requirements / guidelines.

2.3 The site area is to be stoned-up where necessary to provide a hardstanding for site vehicles, storage of materials, site cabins etc.

2.4 Contractor to engage with the local community and ensure that the local residents are notified in writing with respect to the timescale for the commencement and completion of development, hours of work and site access arrangements.

3. Site Parking, Storage of Plant & Materials

3.1 Contractors will park vehicles within the site boundaries in the designated parking area / spaces on hardstanding areas.

3.2 All materials will be stored within the site boundaries. Materials such as cement and equipment will be stored in secure site cabins.

3.3 Please see attached Site Compound Plan. Storage areas will be demarcated utilising, where possible heras fencing. Mobile Plant shall be designated a specific parking area when not in use, a designated refuelling area and strategic spill response plan implemented to minimise the impact on the local environment in the event of an unplanned escape of substances.

3.4 All static small plant items containing fuels or lubricants shall be placed on spill nappies and an emergency spill kit supplied at the location. Bunded spill

trays will be supplied for the storage of materials with the potential to discharge to ground in liquid form.

4. Management of Vehicle Access / Egress, Deliveries & Loading / Unloading of Plant Material

4.1 Access to the site will be via the existing vehicular entrance from Alworth Road.

4.2 Delivery vehicles will have accompanied access to and from site by a banksman. Generally, deliveries will be by smaller vehicles and the contractor will make the merchants aware of the site restrictions when arranging deliveries.

5. Wheel Wash Facility

5.1 Prior to leaving the site all contractor vehicles will be inspected and the wheels will be washed down using a high-pressure jet wash.

5.2 The contractor will manage the risk to alworth road by monitoring any debris from site from contractor vehicles. If required road sweeping will take place daily to deal with the issue.

6. Management of Dirt and Dust

6.1 If dust emissions are generated in dry periods the contractor will utilise dampening down techniques to wet the materials and suppress the dust.

6.2 The site manager will take account of weather conditions and prevailing wind direction when organising operations to prevent and minimise dust nuisance to neighbouring properties.

6.3 All staff will be trained and be aware of the Dust Management Strategy.

6.4 The access road is to be stoned-up to provide a good, clean working platform and prevent road contamination.

6.5 In the event of a complaint from neighbouring properties in respect of dust, there concerns will be considered and action taken to prevent future occurrence.

6.6 All site staff will have appropriate PPE ware to protect them from the effects of dust.

6.7 Works with the potential to produce noise and/or dust nuisance will be monitored, controlled and regulated on site. Acoustic barriers will be erected around works generating noise emissions above the specified local authority limits. Dust emissions will be monitored, controlled and regulated utilising water based dust suppression in the local vicinity of the works. Noise and dust suppression measures in accordance with current HSE guidelines.

7. Excavation and Ground Works

7.1 Location of underground services

- Prior to commencing excavations, the site will be checked for overhead and underground services.
- Service plans will be obtained from utility providers and the site area checked over using a locating device.
- Once identified service routes will be identified and clearly marked. If markings are lost during the working operation the exercise will be repeated to ensure service routes remain clearly marked as required for the duration of the works.
- Works will be undertaken in accordance with HSE Guidance Document, Avoiding danger from underground services.

7.2 Excavations

- Trenches with a depth exceeding 1.0m will be either battered back or suitably shored and the shoring maintained.
- Trenches will be inspected regularly and excess groundwater pumped out regularly during inclement weather.
- Vehicle plant will be kept to a safe working distance from the trench to prevent potential collapse.
- No site staff will work below an excavator.

8. Recycling / Disposing of Waste Resulting Construction Work

8.1 The contractor will develop a suitable traffic management system to be in place before work commences. The plan will include proposals for access for deliveries and unloading at the site, and waste removal.

8.2 Locations for waste skips will be found within the compound in the storage area identified on the site co-ordinated proposed construction site management plan.

8.3 On site the contractor will monitor all waste by the use of a site waste

management plan. The plan will include the following:-

- An outline of the type/s of waste the contractor has tried to minimise on previous projects, who took those decisions and intended results.
- Naming the contractor doing each task as identified.
- Name the waste contractor removing the waste and give an estimated as to amounts of waste for each section / waste stream.
- By waste type amounts of tonnage removed, recycled, & recovered and recycled, etc.
- All waste notes issued by the appointed waste management companies will be retained.
- Project review.

8.4 All waste will be removed from site on a regular basis and will have the necessary waste transfer documentation. Waste storage facilities will be provided on site. Waste removal will be via the vehicular access and egress routes on the site access plan. All skips to be placed on site and away from the public highway.

9. Noise Control/Vibration Control

9.1 Work to be done in accordance with the recommendations of BS 5228-1, Control of Noise at Work Regulations 2005 and the Noise Service. Follow the Noise Impact Assessment reports and guidance. The contractor will consult with adjoining neighbours and agree, if possible, certain times of day when noisy work is minimised.
Whilst working on site the contractor will adhere to the recommendation of BS5228-1, clause 9.3 to minimise noise levels during the excavation of the works.

9.2 The relevant contractors will be responsible for ensuring that all plant and equipment, including any which may be on hire, is well maintained, properly silenced and used in accordance with the manufacturer's instructions and BS5228. Certificates and services records should be available on site for inspection. All non-road mobile machinery (NRMM) are to use ultra-low sulphur tax-exempt (ULSD) where available. All NRMM utilised on site will be required to comply with EU Directive 97/68/EC.

9.3 Noisy plant and equipment will be situated as far as possible from noise sensitive buildings. Care will be taken to reduce noise when loading or unloading vehicles or moving materials. Vehicles and mechanical parts used for the purpose of the works shall be fitted with effective exhaust silencers, maintained in good and and efficient working order and operated in such a manner to minimise noise emissions. Machines in intermittent use will be shut down or throttled down to a minimum when not in use. The 360 machines will be fitted with dust suppression silencers of the type recommended by the manufacturers. Noise emitting machinery which is required to run continuously shall be housed in a suitable acoustic lined enclosure wherever practical. Communication with neighbouring residents is essential to ensure any noise impacts are reduced as far as possible

9.4 Noise levels of equipment are limited as far as possible in terms of health and safety criteria. Where noise levels are evaluated to go over the 85dBa threshold dictated by the HSE, then PPE must be worn by all nearby personnel.

9.5 The site is to be powered by main electricity as soon as possible, avoiding the out of hours noise associated with running a generator. Whilst generators are in use on site, they will either be specified to be low noise emitting generators or be house within noise reducing enclosure to minimise potential impact.

9.6 The contractor will monitor noise on site at two set points closest to the neighbouring properties. This will be monitored using a sound level meter, any exceedance over 80dBa will lead to the relevant works on site being halted and the below measures be implemented as appropriate. An on-site record sheet will be maintained on site logging the decibel readings at the two stations three times a day. Should a complaint be received from local residents/general public the site management are required to respond to the concerns raised regarding noise. The site management must stop work and come to a solution, such as:

- Temporary barriers/enclosures (e.g. plywood with sound absorbing materials) can be built around noisy equipment.
- Changing the equipment to one which creates less noise
- Changing the methodology to create less noise or vibration.

The following measure shall be put into place to minimise disruption due to noise throughout the project. Noise will be minimised by the use modern equipment which is compliant with current standards and is the correct equipment for the task, that equipment will be regularly maintained to ensure its efficient operation. Plant shall be switched off when not in use. All ancillary pneumatic percussive tools shall be fitted with mufflers or silencers of the type

recommended by the manufacturer.

9.7 The project is a relatively simple scheme with no notable works which would cause significant noise pollution. The close proximity of residential houses has been noted and there will be no operation of heavy plant etc outside normal working hours of:-

- Monday – Friday 0800 – 17.30
- Saturday – 0900 – 1300 except for Bank Holidays
- There will be not working on site on Sundays or Bank Holidays.
- Higher Blackley Education village is located near to the site, all deliveries and collections will be made Mon & Tue open 24hrs: Wed Closed: Thursday 10:30-14:15pm; Fri, Sat & Sun Closed

HAVS Management/Environmental Vibration

9.8 Hand, Arm vibration shall be controlled in the following ways but ultimately avoidance first is the preferred method for example remote controlled trench compactors can be introduced rather than manual operated, if this isn't possible it shall be reduced to the lowest practicable level. HAVS will be monitored and guidelines set out within the sub-contractors RAMS stating the EAV ELVs. This will trigger and action of, avoidance, rotation and potentially further monitoring. All hired and purchased equipment shall be supplied within the manufacturers information below.

1. Check whether it is necessary to use the current types of tool or plant whether a task may be achieved a different way.
2. Minimise the need for operations and tools that expose workers to hazardous vibration.
3. Minimise the forces needed to control tools.
4. Consider the maintenance of the equipment and whether there is likely to be deterioration in anti-vibration mountings, etc. Ageing and/or poorly maintained equipment is likely to give worse levels of vibration.

5. Reduce exposure times, e.g. by breaking up activities to minimise prolonged exposure.
6. It is important that operators are able to maintain good blood circulation, gloves can be helpful although alone, they are not the solution to a vibration problem.
7. Heated handles, warm, weatherproof clothing, heating pads are amongst the other aids that can be considered.

Any tasks that are expected to create excess vibration at the site boundary and have specific vibration measures specified within their RAMS will have vibration monitoring set up to assess the limits emitted, in-line with BS7385 an exceedance of 15mm/s at 4Hz or 50mm/s at 40Hz will result in works on site to be halted and additional measures taken.

10. Health and Safety

10.1 First aid facilities to be available on site

10.2 A appointed first aider to be on site at all times when personnel are on site.

10.3 Emergency protocols to be in place clearly identified for all contractors to see, advising what to do in the event of an emergency and where emergency medical treatment can be sort. ie. The nearest hospital.

10.4. Accident and emergency book to be available at all times to report accidents on site.

10.5 Emergency signage to be erected notifying on site personnel of fire exit routes and muster point.

10.6 Contractor signing in and out book to be made available.

10.7 All contractors to receive site induction on first site visit.

10.8 Toilet and washing facilities to be provided on site.

11. Risk Assessments

11.1 Risk assessments to be carried out on all materials and aspects of work on site.

11.2 All sub-contractors to provide risk assessments before commencing work on site.

11.3 Records to be kept on site of all risk assessments for reference purposes.



Appendix A – Construction Management Site Compound Plan

