KMM CIVIL ENGINEERING LTD

Method Statement – MA 001 – (23.03.2022)

Title: Demolition works to the AEU Club

For:

KMM HOMES

Method Statement Work Sheet – For Construction

Contract:	Demolition works AEU Club	**Method Statement No:**	MS 002
Name of Author:	Kevin Murphy	**Date:**	22.03.2022
Name of Approver:	Malachy Murphy	**Date:**	23.02.2022
Method Statement Title:	Demoltion works AEU Club		

Revisions:

No:	Reason	Author	Date	Approved	Date
1	Dust/Traffic management	K Murphy	01/03/2022	M Ashton	02/03/2022
2	Site Acess and Vehicles	K Murphy	23/03/2022	M Ashton	23/03/2022

References

Contract documentation,
Method Statement (MS 001)
Risk Assessment (RA 001),
Statutory Utilities Drawings i.e. elec, gas, water, sewer records etc.
Construction issue drawings and specification,

Scope of Work

This method statement covers the demoltion of the above scheme.

Principal Health and Safety Considerations

The significant health and safety risks associated with this activity are listed in 3.1 (below),

Significant hazards

Site transport,
Protection of other site operatives, plant and machinery,
Manual handling,
Buried services,
Access / egress into the working area,
Noise,
Hearing loss or serious long term health problems due to short or long term exposure to noise above 85db
Collapse of excavations,
Dermatitis caused by exposure to concrete,
Risk of flooding whilst connecting into a ‘live’ sewer,
Eye injury from when cutting pipework, splashed concrete, crushing etc.
Slips, trips and falls – general site awareness of surrounding,
Being struck by moving plant,

Working in restricted chambers, trenches etc. – release of unknown gases (confined space working),
Falls from height.

- WORKING HOURS

Monday-Friday 8.00am – 17.00pm

Saturday: 8.30am to 1400 pm

No work Sunday or bank holidays

No working hours on Sunday

Methodology

Before work commences (Mandatory Requirements)

All operatives and visitors must be inducted on the KMM Homes) site specific rules prior to entry onto site.

All staff, operatives and visitors are to be inducted under the site specific health, safety and environmental rules prior to commencement of work on this site. Details of this induction, attendees and associated signatures will be taken and retained within the Construction Phase Health & Safety File (CPHSF). Similarly, plant, equipment and personnel training records, certificates and associated documentation will be checked for legislative compliance and a copy retained within the Construction Phase Health & Safety File. Note: this procedure will be undertaken during or before the site induction and therefore prior to commencement of work on site.

The contents of this Method Statement **MUST** be approved, agreed, briefed, understood and signed for prior to any works commences on site.

All site personnel will be CSCS/CPCS or equivalent certificated to work on this project. Only fully trained, competent and suitably experienced operatives will be allowed to work on site or operate plant, power tools and safety equipment.

A COSHH (Control of Substances Hazardous to Health) procedure is to be adopted on this site. Under this system all materials to be employed in the construction process are to be assessed for potential hazards along with their associated risks. Suitable control measures are to be put in place to bring these risks down to acceptable limits. This information is to be detailed on a COSHH Assessment in each case. Users of materials are to be inducted with these and supplied with any relevant Personal Protective

Equipment (PPE) or other means of control. COSHH Assessment inductees are to receive copies of their COSHH Assessments and signatures obtained to acknowledge that they have understood these. A copy of the COSHH Assessments and associated signatures will be obtained for filing in the Construction Phase Health and Safety Plan.

Note: The use of fuels, engine oils and other lubricants is only to be carried out by people appropriately trained under a relevant COSHH Assessment. Spill kits are to be situated immediately adjacent to the works and operatives who are trained in their use are to be immediately available should the need arise.

All delivery/collection vehicles are to use authorised routes to and from the site as determined by the KMH project management team and detailed in the CPHSF. These routes are also to be detailed in the site induction and on sub-contractor and supplier orders.

KMC Ltd will comply with KMM HOMES site specific rules, including their PPE provision i.e. gloves and glasses policy.

Prior to commencement of any excavation/breaking of ground the KMH site engineer KMMC is to undertake the permit to excavate for this operation. KMMC is to refer to Statutory Undertakers Drawings and associated documentation to establish the existence and locations of any known existing services which may be affected by the works. KMMC is to scan the work area with a CAT (Cable Avoidance Tool) and demarcate any potential services.

KMMH is to produce a permit to excavate along with associated drawings detailing the works area, the elements of construction and there relative positions to potential existing services. Under no circumstances can excavation be undertaken without prior agreement with site management and the issue of a task specific permit to excavate.

The exact locations of potential existing services which may conflict with the works are to be determined. This is to be done via careful hand excavation methods using hand shovels and grafts. Mechanical excavation for this purpose is not permitted under any circumstances. Any services located are to be protected throughout the duration of the works with reasonable agreed methods between all parties.

All work areas will be handed over by KMMH prior to KMMC commences work on site.

KMC will operate and adhere to KMH permit system – permits will be issued for all excavation operations, checked on a regular basis and signed off appropriately.

Before work commences an existing ground level survey will be undertaken and recorded by KMH – this will be submitted to KMC for information and record purposes.

Prior to the use of any operated plant i.e. excavator or site dumper on site a check sheet list must be completed by a competent trained operative (CPCS trained minimum) to ensure the plant machinery is compliant and fit for purpose, any defects will be reported to the site supervisor immediately and appropriate action taken. Once the all the necessary checks have been completed and signed off works may commence.

Daily plant checks are to be undertaken and recorded as discussed within the induction. Plant checklists are kept in the cab of the excavator and will be submitted to KMMH at the end of the week (Friday).

This method statement covers the installation of site drainage at the MMU, Manchester.

There may be underground services in our work locations – KMMC along with the assistance from KMMH will check the statutory service drawings and sweep the area with a CAT detector, highlighting any services, expose by hand digging to clarify the service depth, location and type. If services are found they will be recorded on an as-laid drawing maintained throughout the project. During the works on site any service crossings will be fully supported across the trench.

Statutory services drawings are held within both KMMH and KMMC site office.

All work areas will be handed over to us by KMMH prior to KMMC commences work on site.

KMMC work under KMMH permit system – permits will be issued for all excavation operations, checked on a regular basis and signed off appropriately. All workmen entering manholes will be issued with a Permit to Enter with a Gas Monitor being made available along with an ELSA set where required. The Permit to Enter will fully detail all precautions required.

KMMC will comply with both KMMH site rules, including Personal Protective Equipment (PPE) provision i.e. gloves and glasses policy.

On site telephones and mobile phones will be available to summon assistance in an emergency. No mobile phones / radios are to be used whilst working within the drainage trench or onsite, designated areas are provided by KMMH personnel will be notified of the areas at there site induction.

Before work commences an existing ground level survey will have been undertaken and recorded by others – this will be submitted to KMMC for consideration.

Prior to the use of any operated plant i.e. excavator or site dumper on site a check sheet list must be completed by a competent trained operative (CPCS trained minimum) to ensure the plant machinery is compliant and fit for purpose, any defects will be reported to the supervisor. Once the all the necessary checks have been completed and signed off and works may commence.

Daily plant checks are to be undertaken and recorded as discussed at induction. Plant checklists are kept in the cab of the excavator and will be submitted to KMMH at the end of the week (Friday).

It is important that the following requirements are strictly adhered to at all times:

The works of the buildings to be demolished are as follows:-

There is no asbestos evident or suspected on site and therefore it is not proposed to carry out Pre Demolition and Refurbishment; however if any potential asbestos containing materials are suspected/found within the buildings, structures and sub floor structures, a suitably approved licensed Asbestos Removal Contractor will be contacted and all works suspended until the attendance of such a person.

Form site compound, set up welfare facilities, muster points and secure the site to be demolished, install protective measures within the existing site surface water drainage system to prevent contamination during the demolition process.

Carry out internal soft strip of the buildings, to remove deleterious materials.

Hand demolition to separate any structures which adjoin the structure to be demolished and that of the buildings that are to be retained.

Mechanical Demolition of the super structure down to ground slab level. The processing of all materials arising from this element of works which will transported off site for recycling / disposal.

SITE STAFF

The appointed demolition contractor will ensure the following resources to carry out the works as required on site :

Demolition/ Remediation Site Manager (SMSTS) – Non Working Demolition Site Supervisor – Working
First Aiders x 1
3 No Plant Operatives (max)

3 No Demolition Operatives

SITE ACESS AND VEHICLES

We forecast arount 4 HGV vehicles a day and three from site site staff

Signs to the entrance of the car park will be placed to alert car park users to the construction work being undertaken

Should any material from the construction site be deposited onto the road or car park, a designated contractor will be responsible for road sweeping for the duration of the works

All equipment brought onto site shall be maintained and safe in operation, all road going vehicles entering the construction site must be of a road worthy condition; being taxed, tested, licensed and insured.

All drivers of any vehicle entering the site must have the relevant training and licensing to permit operation of such vehicles.

Vehicles be used for removal of spoil etc would be 8 wheeled and disbursed by an appointed contractor

PLANT & EQUIPMENT:

1 x No 10t excavator fitted with a choice either shears, selector grab or bucket attachment
2 x No mobile elevating work platform ("scissor lift")
1 x skip for general waste

1 x Toilet with hand wash facilities Various hand tools

Plant certificates will be obtained for all plant used and copies of the certificates retained on site.

All operators are to produce CPCS licenses.

Works described below will be carried out in such a way as to minimise the impact of that work. Therefore the foreman will:

- take all reasonable steps to minimise the creation of dust, using water sprays to dampen buildings being demolished and the demolition arisings;
- pay attention to wind direction so as to anticipate the impact of any work downwind of the working area;
- curtail, suspend or re-arrange work as necessary to allow the demolition to proceed if possible whilst reducing its impact on any the occupiers of neighbouring properties / premises;
- ensure all plant is fit for its purpose and adequately maintained so that noise generation is within the manufacturer's stated maximum noise level;
- give particular consideration to activity on site at the start of the day to minimise disturbance of the neighbours. Reversing manoeuvres will be avoided in the early morning to prevent reversing sirens sounding. Mobile plant, which requires approximately 20 minutes idling to warm-up before a shift, will be will be parked sensibly away from houses. A super-silenced generator is being used to provide electrical power to the site compound. Any particularly noisy operations (e.g: use of hydraulic breakers) will be programmed to minimise disturbance;

VEHICLE MOVEMENTS/OPERATION

During the demolition period the following vehicle movements are anticipated. All vehicles will park off the pubic highway within the existing club car park.

- Staff vehicles- there will be a maximum of five vehicles at any one time on the site;

- Machine delivery- there will be 2 movements per day – one to deliver/mobile in the morning and one at the end of the day to collect them; and
- Materials removal- there will be three 8 wheeled wagons per day visiting the site to remove demolition materials.

- WELFARE ACCOMMODATION

Welfare facilities will be provided to a standard that satisfies the HSE.

The actual location of the welfare facilities together with staff / visitor parking will be identified on the Traffic Management plan contained within the Construction Phase Health and Safety Plan.

The Provision of site accommodation will be compliant with respect to the Construction (Design & Management) Regulations 2015

- SERVICES

The client will make arrangements for the disconnection of the services to the site.

A CAT detector will be used by the site supervisor to test for live underground electric cables prior to commencement on site and highlighted using spray marker.

SAFETY

All necessary registers, accident books, diary, time book, test certificates, method statement, risk assessment, health and safety plan etc will be kept on site under the control of the Site Supervisor and can be inspected at any time. All accidents are to be reported to and entered in the site accident book.

A supply of spare hard hats, overalls, gloves, goggles, masks, welders gloves, face visors (when burning equipment is used) etc will be stored on Site.

At all times the appointed demolition contractor will ensure a high standard of Health and Safety is carried out at all times on site.

All operatives on site must wear full PPE in accordance with HSE requirements including safety boots, hard hats and a high visibility vets or coat and LEP (Light Eye Protection) as standard.

'No smoking on site' policy will be adhered to at all times.

Adequate segregation of pedestrians and vehicular traffic will be maintained at all times. Reversing of vehicles and plant will be minimised at all times. This will be

highlighted on a site plan and will form part of the site induction for all operatives.

Dust

The amount of dust generated by the works is to be kept to an absolute minimum. Demolitions are to be thoroughly dampened down at all times. During demolition, dry periods and when regular movements of materials take place on site, some dust generation is expected. Dust suppression by water sprays will be deployed if necessary, with dampening of haul roads, excavation faces and stockpiles. Regular air fibre monitoring will be carried in work areas when dust risk activities are being carried out. The lower control limit (which no one must go over) is 0.1 fibres per millilitre of air measured over four hours.

Visual monitoring for dust will be carried out by all site staff during works. Any dust will be acted upon immediately in accordance with the dust suppression techniques

: SITE ESTABLISHMENT

The building will be situated within a secure site boundary made up of Heras fencing, to enclose the working areas / exclusion zones within the site.

Warning signs (as described below) will be displayed at the appropriate points around the perimeter of the site:

- Danger Demolition in Progress
- Danger Demolition Keep Out
- Personal Protective Equipment requirements
- Warning to Children

All visitors to our site will be asked to sign in within the site office. They will be inducted into the activities being carried out that day and at all times whilst they are on site they will wear the required PPE and they will also be escorted by a member of KMMC staff.

- ASBESTOS REMOVAL

Where asbestos is found onsite, a suitably approved licensed Asbestos Removal Contractor will be appointed to carry out the removal of all asbestos containing products.

The HSE will be notified under the statutory ASB5 form on the Health and Safety Executive website www.hse.gov.uk of the intended asbestos removals that are to be executed on site.

All method statements, Risk assessments and transit plans will be included within the CPHSP.

No follow on activities will be carried out until we have received air clearance certificates/certificates of re-occupation from the asbestos removal supervisor to confirm that the areas are safe to enter.

- OPERATION: CABLE STRIPPING

Any electrical cabling will be removed for recycling prior to soft stripping and the demolition of the structure.

No cable-stripping work will commence until the electrical supplies to the site have been irreversibly isolated either to the main distribution board by the local electricity supply company or from the main distribution board by a suitably qualified electrician. In either case an isolation certificate will be required and will be displayed within the site office.

Demolition operatives using hand tools will cut into manageable sections all exposed electrical cabling and any which are easily extracted but which are not exposed. Large diameter electrical cabling is heavy, therefore it may be necessary to cut cabling into lengths of no more than 2 or 3 metres prior to moving it for further processing. Operatives are to exercise their judgement and experience when handling cut sections of cable to minimise the risks associated with manual handling.

Cabling in trays or otherwise present above floor level will be accessed using a scissor lift. An exclusion zone will be created beneath the cable being cut-down using barrier tape to avoid the potential for anyone below the cable to be struck as it is allowed to fall to the floor. Consideration must be given to the possibility of a free end “whipping” due to self-weight.

Any circular saws used must be inspected daily and used only by trained operatives. The use of hand operated, hydraulic cable shears is preferred.

The removal of cable insulation and armour is to be undertaken using a purpose-built machine. Such machines have a number of safety features such as guards and remote emergency stops. All safety features are to be checked on a daily

basis. None of the guards or other safety features are to be defeated or over-ridden. As with all machinery, long hair and loose clothing are to be securely tied-back to reduce the risk of the operator becoming entangled in the equipment.

All waste generated by the cable-stripping is to be disposed of appropriately, i.e: sheathing is to be placed in a general waste skip.

Under no circumstances is the sheathing to any cabling to be removed by burning.

-: SOFT STRIPPING

An internal soft strip of the buildings will be carried out by demolition operatives to remove as much of the waste materials from the building ahead of the demolition works.

Materials that are to be removed by the internal soft strip can include doors, door frames, fixed and non fixed furniture, carpets and floor coverings and other materials which obstruct the construction of asbestos removal enclosures.

Operatives will strip out all doors, frames, windows, timber of any description, (not appertaining to roof or main structure) toilets, pipe work, ducting, electrical items and any debris.

Any clean, unpainted constructional timber will be segregated from the general waste. Where this material is free of nails, screws, hinges etc it will be segregated for recycling by a specialist company. Any materials deemed as not suitable for recycling will be removed from site in skips as controlled waste to an appropriately licensed landfill site.

Where possible the materials will be loaded by hand method into skips and removed from the site. Where access for skips is not available the materials will be segregated and stored within the building where they will be removed at a later stage.

Once access for skips is available the materials will be loaded into the skips by use of the excavator and by hand method.

At no times shall operatives gain access to partially demolished or unsafe buildings to recover soft stripped materials, these materials will be removed by mechanical means and when safe to do so by hand method.

All soft stripped materials will be processed and segregated into individual waste/recycling streams. All materials deemed suitable for recycling will be loaded into suitable skips and transferred from the site to a suitable recycling venue.

9All waste materials unsuitable for recycling will be transported from the site where

it will be taken to landfill facilities.

WORKING AT HEIGHT GENERALLY

Working at height will be restricted to a minimum, with the majority of high level demolitions being carried out by mechanical means i.e. Demolition type excavators / Plant fitted with controlled attachments such as mechanical grapples, concrete breakers, concrete pulverisors and buckets.

The main area where working at height will be carried out will be to remove the corrugated roof and wall sheets that have been deemed accessible. All non asbestos roof and wall sheets will beremoved by mechanical means.

Where access to work at height may be required access will be gained by use of either Cherry Picker or Scissor Lift type Mobile Elevated Work Platform.

DEMOLITION OF BUILDINGS GENERALLY

The building to be demolished on site is of steel framed and brickwork type structure, clad in corrugated single ply steel sheeting.

Prior to any structural demolitions taking place, the site supervisor and plant operatives will walk the building to familiarise themselves with the building and any potential issues.

The site will be enclosed by use of heras type fencing. Warning signs will alsobe displayed on the site boundary in clear and visible positions.

The buildings that are to be demolished will be soft stripped as described above.

The metal roof and wall cladded sheets will be removed by use of a demolition excavator fitted with a grapple type attachment.

The 14t excavator with grapple type attachment will de-sheet the entire building perimeter, by grabble a hold of the sheeting at placing it on the floor below. All such sheeting will then be re loaded mechanically into suitable sized skips and transported from the site for disposal.

Once the building has been reduced to a steel frame, it will be systematically cut down using the shears on the 10t excavator.

Each roof truss will be cut free of the head of one of the supporting columns and lowered towards the ground; the other end of the roof truss will be free of the

head of the supporting column and lowered to the ground where, still using the shears attachment on the 10t excavator.

Isolated columns will be folded-over to the horizontal by application of force at two-thirds height by the 10t excavator. Once horizontal, the column will be cut near its base and recycled as scrap.

The process described above will be repeated until the demolition of the building has been completed.

All steel will be removed from the site in suitable skips that will be transported from the site for disposal.

Personal Protective Equipment

Mandatory;

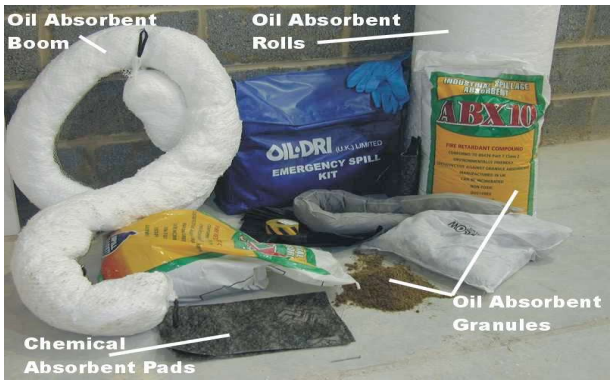
Hard hat (c/w logo's as per contract),
Safety boots,
Hi-Vis vest or jacket (c/w logo's as per contract),
Gloves,
Safety glasses,

Environmental

Environmental Considerations

- Spillages of fuels, oils and other chemicals is to be avoided. Refuelling is to be carried out away from drains and water courses. Should a spillage occur kits like those shown below will be available in the site office.
- Oils and COSHH items when being used on site are to be stored on drip trays. When not in use they are to be locked in bunded containers.
- All static plant to be on Drip Trays or Plant Nappies.

Examples of Booms, oil absorbent pads or rolls, chemical pads available.



Materials – (COSHH) Assessment

All permanent materials are provided by KMMH

KMMC oils, diesel fluids data sheets to be provided and attached to this method statement.

Other Considerations

All waste materials and material packaging will be disposed on a regular basis (provided by KMMH to avoid any wind scatter of fly-away packaging.

All waste will be disposed appropriately, either as general or special waste.

In the event of an accident operatives are to contact the site supervisor / site first aider for medical first aid and / or transport to the nearest Accident & Emergency hospital.

All accidents will be reported immediately to KMMH initially and KMMC Health and Safety Manager on site.

In the event of a fire or emergency all supervisors / operatives are to assemble at the designated muster point and contact the site fire marshal, PCH initially and SRM respectively until further instruction is given. Both site supervisors / operatives must stop work immediately report to designated area free from plant and equipment until the area is made safe in order to continue with their operations.

In the event of an environmental incident operatives are to contact the environmental supervisor.

All access / egress into all working areas to be provided by KMMH, the use of designated walkways will be provided to segregate the work area from pedestrian footpath.

Access and egress into any excavation will be monitored for suitability and fit for purpose and will be adjusted or improved where necessary by KMMC

Housekeeping is to be ongoing and monitored daily by site management, the work area(s) and adjacent area(s) will be tidied on completion of the works.

KMMC supervisors / operatives are responsible for the house keeping within their own work areas. This area will be checked and tidied on a daily basis or more often if required.

Noise will be monitored during the works. If required a suitable safety zone will be deployed to indicate mandatory hearing protection (ear defenders or ear plugs will be made available for use).

In the event of a confined spaces incident, Fire and Rescue will be contacted; however this activity is not envisaged.

This method statement does not cover the entry into confined spaces working.

9.0 Communication

All supervisors / operatives will use English language at all times whilst working on these premises. If any supervisors / operatives cannot speak English, he / she must be accompanied at any time by English speaking personnel who understand their native language.

Daily communication and co-ordination between supervisors / operatives will be carried out verbally.

The use of mobile phones will be restricted to designated areas i.e. pedestrian walkways, welfare facilities, safe area free from plant and machinery or other briefed in the initial site induction.

10. Lifting Operations

All lifting equipment, attachments and plant will be in good working order and fully certified.

The site supervisor / operatives will ensure all equipment is inspected and maintained daily or prior / after use on site.

Copies of all records, test and thorough certificates for lifting equipment, attachments and plant to be held within site office for reference.

A lift plan is to be developed to ensure the correct lifting equipment, attachments and plant is be utilised on site, ensure that each load is within the safe working limits from all respects of plant and equipment, however this activity is unlikely to happen during this phase of construction.

11. Training Certification

All supervisors / operatives are to comply with the CSCS or CPCS (must be current and valid) scheme as minimum copies of which will be contained within the site safety file;

other training certificates will be attached to each individual induction record or available on request.

SCE supervisor to ensure all site personnel adhere to contents within the MS / RA.

IAQM/EPUK Site details to be displayed displayed on perimeter fencing/hoarding for the public.

Site Office Details / Supervision S.C.L

Tel / Fax : 0161 3700 360

Director	Malachy Murphy	07947549890
Contracts Manager	Kevin Murphy	07950948797
Site Manager	Ahmad Reza	07920198726
Site Supervisor	TBC	

Training, Roles & responsibilities on site / off site

Role	Name	Contact Detail	Training
Project Manager	Mark Ashton		MSc Project Management, BSc (Hons) Civil Engineering, HNC Civil Engineering,

		BTEC Civil Engineering, 4 – Day - First Aider, CSCS – Supervisor.
Site Supervisor General Foreman	TBC	TBC

Hospital Route
Tameside General Hospital Ashton under Lyne OL6 9RW

Risk Assessment (RA) and Control Measures

A specific risk assessment (RA) has been suitable developed to accompany this MS (RA 001),

SCL supervisor to ensure all site personnel adhere to contents of both the RAMS.