

DEMOLITION PHASE HEALTH SAFETY & ENVIRONMENTAL PLAN

MANCHESTER COLLEGE OPENSHAW CAMPUS PHASE 3A



Demolition Phase Health, Safety & Environmental Plan

This Demolition Phase Health, Safety & Environmental Plan has been written to enable the Project Team to easily follow through and implement the steps required to ensure we meet the projects goals.

Project Goals:

- to complete the project with zero accidents and incidents,
- to complete the project on time,
- to complete the project on budget.

Document Layout:

The Plan has been split into the following headings:

A	Document Control
B	Project Personnel
C	Project Details
D	Health & Safety
E	Environmental
F	Communication, Information & Training
G	Emergency Procedures

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A : Document Control

A.1 Demolition Phase Health, Safety & Environmental Plan

- Forshaw Demolition Ltd Contracts Manager and Site Supervisor are responsible for implementing and updating the Demolition Phase Health, Safety & Environmental Plan. All amendments will be recorded in [Table 2](#).
- The Master Demolition Phase Health, Safety & Environmental Plan will be located within the site office.

Table 1

PREPARED BY	REVIEWED BY	ISSUED TO
NAME: Jeremy Wolstencroft	NAME: David Churchward	NAME: John Gossage
POSITION: Operations Manager	POSITION: Health & Safety Manager	POSITION: Principal Designer
SIGN:	SIGN:	COMPANY: Rider Levett Bucknall
DATE: 20th October 2021	DATE: 20th October 2021	DATE: 20th October 2021

Table 2

REVISION	DATE	PAGE	DESCRIPTION OF REVISION	AMENDED BY

A.2 Site Health & Safety Folder

- A site Health & Safety Folder will be held on site. The purpose of the folder is to hold recorded site specific SHE information, as required to comply with internal procedures, including the Demolition Phase Health, Safety & Environmental Plan and legal requirements. Blank forms for respective requirements can be found at each section.

Section	Form	Description
1	A.01	Personnel Training & Induction Records
2	A.02	Daily Activity Briefings
3	A.03	Blank RAMS
4	A.04	Toolbox Talks
5	A.05	PPE Issues
6	A.06	Work Equipment and Plant Inspection : PUWER
7	A.07	Scaffold and Mobile Tower Inspection
8	A.08	Lifting Equipment Inspection : LOLER
9	A.09	Weekly Health & Safety Inspections
10	A.10	Complaints Log
11	A.11	Permit to Work : Hot Works
12	A.12	Permit to Work : Excavations
13	A.13	Permit to Work : Confined Spaces
14	A.14	Permit to Work : Roof Works / Slate Removal
15	A.15	Certificate of Practical Completion COSHH Register and Assessments Insurance, HSE Notification, Site Rules

A.3 Drawings

- All drawings relating to this project can be found in [Appendix 2](#). It is the joint responsibility of the Contracts Manager and Site Supervisor to update the Drawing Register as and when new or amended drawings are issued.

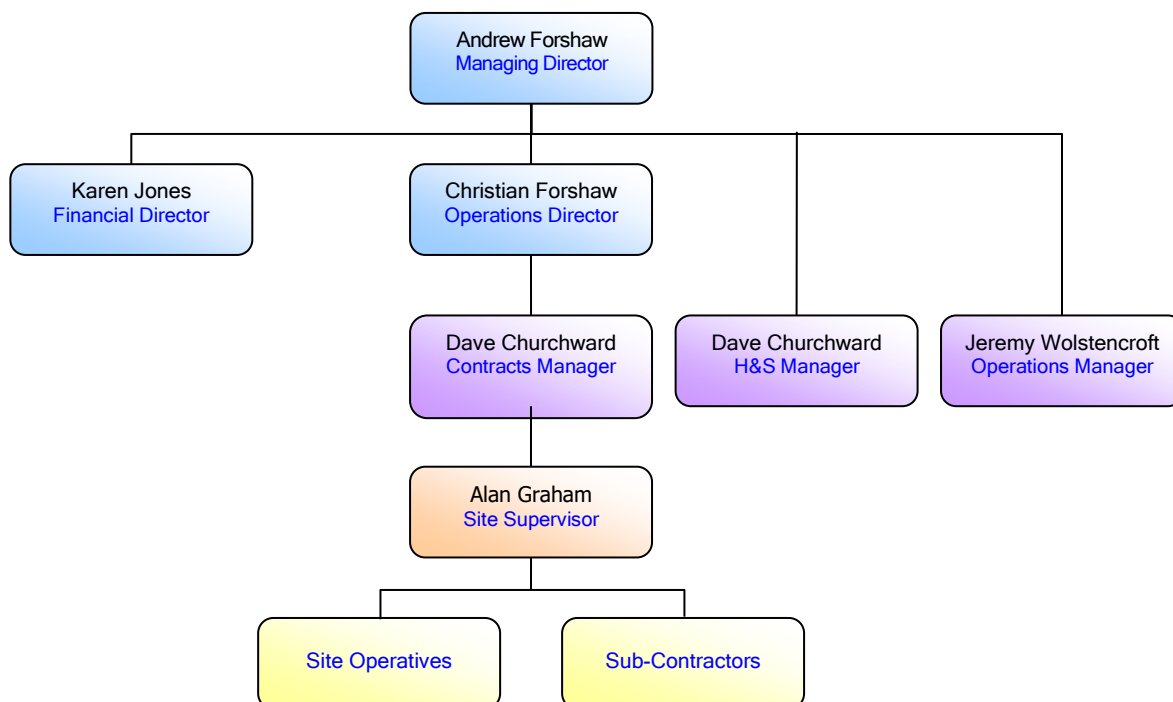
B : Project Personnel

B.1 Client's Team

<i>Client:</i>	The Manchester College Whitworth House, Ashton Old Road, Manchester, M11 2WH	Mob: 07547 977875 Email: nwright@tmc.ac.uk
	Contact: Niall Wright	
<i>Principal Designer:</i>	Rider Levett Bucknall 1 King Street, Manchester, M1 6AW	Mob: 07920 725706 Email: john.gossage@uk.rlb.com
	Contact: John Gossage	
<i>Project Manager:</i>	Pearson Fraser Ltd Europa House, Barcroft Street, Bury, BL9 5BT	Mob: 07793 046001 Email: john@pearsonfraser.com
	Contact: John Pearson	
<i>Architect:</i>	Ellis Williams Architects Wellfield Business Park, Chester Road, Murdishaw, Preston Brook, Runcorn, WA7 3BA	Mob: 07841 995464 Email: neil.adshead@ewa.co.uk
	Contact: Neil Adshead	
<i>Structural Engineer:</i>	Bell Munro Consulting Turing House, Archway, Hulme, Manchester, M15 5RL	Tel: 0161 209 8032
	Contact: Chris Munro	Email: cmunro@bellmunro.co.uk
<i>Mechanical Engineer:</i>	Parker Wilson Consulting 373 Bury New Road, Prestwich, Manchester. M25 1AW	Tel: 0161 773 1177
	Contact: Amanda Lewin	Email: amanda.lewin@parker-wilson.co.uk
<i>Electrical Engineer:</i>	Parker Wilson Consulting 373 Bury New Road, Prestwich, Manchester. M25 1AW	Tel: 0161 773 1177
	Contact: Amanda Lewin	Email: amanda.lewin@parker-wilson.co.uk

B.2 Principal Contractor's Team:

<i>Principal Contractor:</i>	Forshaw Demolition Ltd King House, James Street, Westhoughton, Bolton, BL5 3QR	Tel: 01942 813188 Email: enquiries@forshawdemolition.co.uk
<i>Managing Director:</i>	Mr. Andrew Forshaw	Tel: 07729 772638 Email: andrew@forshawdemolition.co.uk
<i>Contracts Director:</i>	Mr. Christian Forshaw	Tel: 07729 772636 Email: chrisf@forshawdemolition.co.uk
<i>Contracts Manager:</i>	Mr. Dave Churchward	Tel: 07729 772635 Email: dave@forshawdemolition.co.uk
<i>Site Supervisor:</i>	Mr. Alan Graham	Tel: 07955 860340 Email: alan2@forshawdemolition.co.uk
<i>Health & Safety Manager:</i>	Mr. Dave Churchward	Tel: 07729 772635 Email: dave@forshawdemolition.co.uk
<i>Operations Manager:</i>	Mr. Jeremy Wolstencroft	Tel: 07599 820727 Email: jeremy@forshawdemolition.co.uk



B.3 Sub-Contractors:

- Any sub-contractors used on this project will be vetted by Forshaw Demolition Ltd as per the company's internal Health and Safety Competency Assessment. All sub-contractors appointed must be competent and have allocated sufficient resources to fulfil their obligations under Safety, Health and Environmental legislation.
- All sub-contractors will appoint a senior member as their principal point of contact for all matters relating to Safety, Health and Environmental issues.

The following sub-contractors will be used in this project;

*Asbestos Removal
(licensable):*

t.b.c.

B.4 Site Responsibilities:

- The Contracts Manager and Site Supervisor shall ensure that the contents of the Demolition Phase Health, Safety & Environmental Plan are communicated to all staff working on the project. They must make themselves and all personnel under their control familiar with the content of this plan and work within the management system defined therein.
- The table below names individuals that are responsible for implementing the various sections of the Demolition Phase Health, Safety & Environmental Plan. The Contracts Manager can make other appointments in writing in consultation with the employee.

Item	Nominated Person	Deputy
<i>Implementation of Demolition Phase Health, Safety & Environmental Plan</i>	Dave Churchward (Contracts Manager)	Alan Graham (Site Supervisor)
<i>Site Health & Safety inc Welfare Coordinator:</i>	Dave Churchward (Contracts Manager)	Alan Graham (Site Supervisor)
<i>Induction briefing:</i>	Dave Churchward (Contracts Manager)	Alan Graham (Site Supervisor)
<i>RAMS briefing, reviewing & amending:</i>	Dave Churchward (Contracts Manager)	Alan Graham (Site Supervisor)
<i>Daily Briefing &: Tool Box Talks</i>	Dave Churchward (Contracts Manager)	Alan Graham (Site Supervisor)
<i>Health & Safety Site Inspections:</i>	David Churchward (H&S Manager)	Dave Churchward (Contracts Manager)
<i>First Aider:</i>	Dave Churchward (Contracts Manager)	Alan Graham (Site Supervisor)
<i>Fire Marshall:</i>	Dave Churchward (Contracts Manager)	Alan Graham (Site Supervisor)
<i>Temporary Works Coordinator:</i>	Dave Churchward (Contracts Manager)	Dave Churchward (H&S Manager)
<i>Traffic Management Plan implementation & update:</i>	Dave Churchward (Contracts Manager)	Alan Graham (Site Supervisor)
<i>Permit Issues:</i>	Dave Churchward (Contracts Manager)	Alan Graham (Site Supervisor)
<i>Utility service coordinator:</i>	Jeremy Wolstencroft (Contracts Manager)	Dave Churchward (Contracts Manager)

C : Project Details

C.1 Project Overview

C.1.1 Project Profile / Scope of Works

- The project and scope of demolition works is to demolish redundant college buildings on the Openshaw Campus of Manchester College (Phase 3A). All method statements and risk assessments relating to this project will be located in [Appendix 1](#).
- Project Drawings can be found in [Appendix 2](#).
- The Project Specification can be found in [Appendix 4](#). This will include drawings, materials and workmanship specifications and contract conditions in the event that these apply.
- Variations and changes to the scope of works affected by the client / contractor will be documented in [Appendix 4](#).
- On completion of the project a Practical Completion Certificate will be required from the client. Alternatively, Forshaw Demolition Ltd will issue one on [Form A.15](#). This will depend on the Form of Contract adopted for the project.

C.1.2 Programme Information

- Commencement date: [8th November 2021](#)
- Project Duration: [16 weeks \(not including Christmas shutdown\)](#)
- Completion date: [11th March 2022](#)

C.1.3 Working Hours

- Monday to Friday: 08:00 – 17:00
- Saturday: 09:00 – 13:00
- Sunday: no operations

C.1.4 Notifications

C.1.4.1 HSE

- Notification of the project has been submitted to the HSE on a F10 form. This is the duty of the Principal Designer. A copy of the F10 will be located in [Appendix 6](#). A further copy will be displayed on the SHE notice board within the site office.

C.1.4.2 Local Authority Notification

- A Section 81 has been requested from Manchester City Council. A copy of the Section 81 notice (Conditions of Demolition) will be located in [Appendix 7](#).

C.2 Site Details

C.2.1 Location

- Openshaw Campus, Manchester College, Ashton Old Road, Openshaw, Manchester, M11 2WH



C.2.2 Surrounding Land Use

- The wider site is located to the south of Ashton Old Road in Manchester, one of the main arterial roads to the city centre.
- The demolition site is situated entirely within the Openshaw Campus. It is surrounded to the east by other college buildings, walkways and car parks. At present, part of the site to the east is a construction site within the college grounds.
- To the south lies a raised embankment with a railway line running beyond.
- To the west lies Clayton Lane South, which is closed with a barrier part-way along and therefore rarely used by vehicles.
- To the north lies Whitworth Street, which is within the college grounds.

C.2.3 Information About Existing Structures

The following section is an extract from the Pre-Demolition Information, a copy of which can be found in [Appendix 4](#).

- **Westlands Building** : The Westlands Building is a three-storey construction that provides catering training for students in dedicated commercial kitchens. The building also contains general teaching spaces, a canteen, and a performance space.
- **Nursery Building** : The Nursery Building is a single-storey construction that provides on-site childcare facilities, general teaching spaces, and a kitchenette/laundry.
- **Welding Workshop** : The Welding Workshop is a single-storey construction that provides heavy duty welding training for students, and ancillary spaces.

D : Health & Safety

D.1 Risk Assessments & Method Statements (RAMS)

- Forshaw Demolition Ltd and their Sub-Contractors have a duty to examine their undertakings to establish those operations that pose a significant SHE risk and develop control measures to eliminate or minimise those risks.
- Forshaw Demolition Ltd RAMS will be written by the Contracts Managers, Site Supervisors or nominated competent person as named in A.2.1. The method statement will be forwarded onto the Health & Safety Manager for review and approval.
- Sub-Contractors RAMS shall be reviewed by the Health & Safety Manager or Contracts Manager to ensure that subcontractors have recognised and understood their safety, health and environmental obligations associated with their activities within the overall context of the project.
- No works will commence until the RAMS have been written for the tasks being carried out on site. A copy of all RAMS relating to each specific task will be located in [Appendix 1](#).
- The RAMS will be communicated to the relevant operatives carrying the various tasks by the competent person nominated in A.2.1. Operatives will sign the RAMS to ensure they have been read and understood.
- The RAMS will be constantly reviewed as the project progresses by the competent person nominated in A.2.1. Once amended the RAMS will be re-briefed to the relevant personnel.

NO RAMS = NO WORK

D.2 Vehicle Movements

D.2.1 Safe Movement of Vehicles & Pedestrians

- Arrangements will be made to ensure that pedestrians and operatives are kept clear of site vehicles and mobile plant by the provision of adequate traffic routes and other controls.
- All vehicles shall:
 - be driven in a manner which is safe,
 - be loaded in a way that it can be driven, operated or towed safely,
 - have means to provide adequate visibility to the operator,
 - have suitable steps taken to prevent unintended movement of the vehicle (min; keys out),
 - have the person in control of the vehicle able to give adequate warning to any person liable to be at risk from movement of the vehicle,
 - be fitted with a flashing beacon.
- Reversing is prohibited unless under the direction of a banksman.
- All vehicles leaving site will have clean wheels and bodywork free of loose material with wheel wash facilities where deemed necessary. The Contracts Manager will visually inspect the roads for contamination on a regular basis.

D.2.2 Traffic Management Plan

- A Traffic Management Plan (SK01) has been drawn up by the Project Management Team, a copy of which can be found in [Appendix 2](#).
- The TMP will be implemented on day one of the contract and will be explained to all site personal during induction by the competent person nominated in A.2.1.
- A copy of the TMP will be displayed in the site office and will be reviewed on a regular basis and updated by the competent person nominated in A.2.1.
- The traffic management plan will be drawn up to take into account the following:
 - access to the site will be off Clayton Lane South to the west of the site.

- arrangements are made to ensure pedestrians and site vehicles are kept separate
- access & egress gates are closed and locked when not in use
- vehicles will reverse into site under the direction of a banksman
- all reversing vehicles into site will be directed by a banksman
- the pedestrian route is to be kept clear of all materials and is to be clearly lit at all times
- speed limit for the site 5mph
- adequate safety signage is erected showing access/egress points and pedestrian routes

D.2.3 Deliveries

- All significant deliveries to site (e.g. excavator) must be pre-arranged with 24 hours' notice given to the Project Team by the Operations Manager or driver and be delivered out of peak hours. If possible, deliveries of plant will be carried out before 8am.
- Peak times will be avoided for HGV deliveries.
- All delivery drivers must be wearing the site mandatory PPE when they are out of their vehicles.

D.3 Services

- The areas highlighted for demolition are to be completely isolated or disconnected of all known utility feeds prior to the commencement of demolition works. Written confirmation of these disconnections will be obtained prior to commencement of demolition works from the utility company or competent persons responsible for carrying out disconnections.
- FDL's Utility Service Coordinator (named in A.2.1) is responsible for organising the service disconnections. The nominated person will be responsible for liaising with the client and/or the utility companies to ensure that utility services are isolated or disconnected prior to commencing soft strip or mechanical demolition.
- Hold points will be inserted into the relevant method statements to ensure that works cannot commence until written confirmation of the utility disconnections has been seen.
- Service utility plans and disconnection notices are located in [Appendix 3](#).
- If the demolition excavator is situated on an area above known services, steel plates will be put down to protect the area.

D.4 Asbestos

- Demolition and Refurbishment (D&R) Asbestos Surveys for the site have been undertaken by Armco Asbestos Surveys. A copy of the asbestos surveys will be located in [Appendix 9](#) and will always be located on site for reference.
- FDL will organise the removal of all ACMs. Detailed method statements for this can be found in [Appendix 1](#).
- A procedure for dealing with suspect asbestos containing materials not identified in the D&R asbestos survey will be written in the task specific method statements for the project. If suspect ACMs are found during any phase of the demolition, work will cease and the Project Management Team informed.

D.5 Site Details

D.5.1 Welfare Facilities

- FDL will supply the welfare facilities for the site, which will be in the form of a welfare cabin.
- Full compliance with legal standards will be available from day one on site.
- The welfare facilities will satisfy the requirements of the Construction, Design and Management Regulations 2015. An area to the left of the site gates will be utilised as welfare facilities, the welfare facilities will include:
 - site office,
 - messing facilities,
 - drying facilities,
 - toilet facilities,
 - hot & cold running water,
 - clean towels or hand drying facilities.
- The welfare facilities will be kept clean and fully stocked. An inspection of the welfare facilities will be carried out on a weekly basis by the competent person nominated in A.2.1.
- These facilities are to be treated with respect. Any persons abusing the facilities will be subject to FDL disciplinary procedure.
- A notice board will be located in the site office and will include the following:
 - HSE Poster
 - Fire procedures
 - First aid procedures
 - Site & Traffic Management Plan
 - Company Insurance information
 - Site Rules

D.5.2 Site Security

- The demolition site will be secured using a combination of the existing fencing, solid fencing panels and additional heras fencing panels. Safety signage will be erected on the boundary fence.
- There will be one clearly signed, dedicated entry and exit point to the site to ensure that only authorised persons can enter. Safety signage will be erected on the fence to all elevations.
- Access to the site will be via lockable gates. The access gates will be kept closed and locked not in use.
- Emergency access will be maintained to all areas of the wider campus for the emergency services.
- The site supervisor will check the building and fence line on a daily basis to ensure its integrity. A log will be maintained and kept in the site office to record any incidents.
- Any persons attempting to gain unauthorised entry will be advised that the site is dangerous and asked to leave.
- FDL staff will perform a sweep of the buildings prior to commencing work each day to ensure no rough sleepers or trespassers have gained entry.
- FDL will form the security during the day.

D.6 Plant & Equipment

D.6.1 Mobile Plant (work equipment)

- All plant operators will need to provide the Site Management Team with a copy of a valid CPCS card.
- Proof of Certification is to be provided to the Site Management Team that all mobile plant has been inspected in accordance with Provision and Use of Work Equipment Regulations (PUWER) 1998 and Lifting Operations & Lifting Equipment Regulations (LOLER) 1998.
- FDL's Site Management Team will ensure weekly checks are completed by all contractors on site. Sub-contractors may use their own inspection forms and documents.
- All mobile plant shall have all round vision, by use of mirrors or a CCTV system, a flashing beacon and a reversing alarm, where applicable.

- Forshaw Demolition Ltd reserves the right to inspect any plant on its arrival on site or at any time during its presence on site. If it is not compliant, the item of plant will be refused access to site or prohibited from working.

D.6.2 Lifting Operation & Equipment

- Before any lifting operations commence on site an appropriate lifting plan, or similar document, will need to be submitted to Forshaw Demolition Ltd Site Management team for review a minimum of 5 working days before the work is to be carried out.
- Where possible this is to include copies of training certificates for all operatives involved with the work i.e. the Appointed Person, the Lift Supervisor, the Banksman and the Slinger Signaller.
- Copies of test certificates for all lifting plant and equipment will need to be included with all specific method statements and risk assessments.
- Further checks will be required before any lifting operations can commence.
- All personnel must adhere to LOLER 98 and PUWER 98 and ensure all equipment is checked on arrival on site or prior to first use and that thorough examination certificates other appropriate documentation is also checked. Daily inspections must also be carried out on the equipment. All in accordance with the lifting plan and relevant risk assessment and method statements.

D.6.3 Static & Portable Equipment

- All equipment brought onto site or used on site must be in suitable and safe condition, in good working order and appropriate for the job it is to be used for. All work equipment must be inspected and weekly records must be maintained and where appropriate test certificates must be kept on site.
- Forshaw Demolition Ltd reserves the right to inspect any portable equipment on its arrival at site or at any time during its presence on site and if it is not compliant the item of plant will be refused access to site or returned to the owner / hire company / sender.

D.7 Paperwork

D.7.1 Permit to Work

- A 'Permit to Work' System is an integral part of a safe system of work and will be issued on a task by task basis.
- The issue of a 'Permit to Work' will be identified in the task specific method statement and risk assessment to ensure the necessary control and precautions are in place to mitigate the risks.
- Forshaw Demolition Ltd will issue the following 'Permit to Works':
 - hot works
 - excavations
 - confined spaces
 - permit to load / unload
- Permit to Work forms can be found in the Site Health and Safety Folder.

D.7.2 COSHH

- Hazardous chemicals and substances will be identified during the risk assessments. COSHH assessments with the relevant Safety Data Sheets will be produced.
- COSHH assessments for the following hazardous substances are located in the site Health & Safety Folder:
 - Engine oil
 - Hydraulic oil
 - Grease
 - Diesel

D.7.3 Post-Demolition Health & Safety File

- The post-demolition health & safety file will include information about all the following topics:
 - a brief description of the work carried out
 - key contact details (Client, Principal Designer and Principal Contractor)
 - site conditions (e.g. location of basements left in situ)
 - service disconnections and plans
 - summary of material movements
 - residual hazards and how they have been dealt with (for example information concerning asbestos)
- The file will be forwarded to the Client upon completion of the project in hard copy and electronic formats.

D.8 Site Rules

- A copy of the site rules will be posted on the site cabin notice board and will be read to all operatives during site induction.
 - No work to commence until all method statements and risk assessments attributed to your working activity have been read and understood.
1. High visibility vests shall be worn in the correct manner at all times.
 2. Hard hats shall be worn at all times in the correct manner, other than when using welfare facilities
 3. Protective footwear with steel mid-soles shall be worn at all times. Toe-tector trainers are not allowed.
 4. Gloves shall be worn when handling materials or substances at all times.
 5. Ear protection shall be worn when noise levels are in excess of 80dB(A)- i.e. when operating a jackhammer or disc cutter plant.
 6. Eye protection shall be worn when necessary – i.e. when operating disc cutters or working on or near plant that is using a breaker.
 7. Dust masks shall be worn when necessary.
 8. All PPE is to be maintained to a suitable standard, defective PPE will not be permitted for use on site.
 9. Suitable light clothing shall be worn to protect the skin from burning during hot periods. No shorts to be worn on site during working.
 10. Work area to be kept free from litter and scraps of food.
 11. Spitting is not permitted. Urinating on site is not permitted, unless in designated welfare facilities.
 12. Complaints from the public shall be dealt with in a courteous manner, and reported to the Site Manager.
 13. Swearing, wolf whistling or other behaviour deemed harassment will be subject to FDL's Disciplinary Procedures.
 14. No unauthorised use of plant. When in use, observe the on-site speed limit. The site dictates this limit.
 15. Works shall be guarded at all times where necessary.
 16. First aid boxes and fire extinguishers are to remain on site at all times during working hours.
 17. Alcohol/Drugs are not permitted on site or to be consumed during working hours. No persons are to arrive at work under the influence of drugs or alcohol. Employees taking prescribed drugs are to inform the site supervisor if they potentially affect their working ability.
 18. All accidents are to be reported to the site supervisor immediately and recorded as per Forshaw Forshaw's accident reporting procedure.
 19. All defects of equipment, PPE or materials are to be reported to the Site Supervisor immediately.
 20. Radios or personal stereos are not to be used on site.

21. 240V equipment is not allowed onto site without prior permission from site management.
22. All personnel must undergo a site induction prior to starting works.
23. NO SMOKING inside working areas building (including plant). Smoking is allowed in designated areas only.
24. Operatives are not to take pictures of any children or talk to any children except in circumstances to protect their Health & Safety.

D.9 COVID-19

- During the COVID-19 Pandemic, various additional Health & Safety procedures will be implemented on site to reduce the risk of infection, including:
 - All non-essential visitors will not be allowed on to site.
 - The site manager / supervisor will sign all personnel in to and out of site.
 - A cleaning station will be placed inside the site entrance. All personnel will sanitise their hands when entering site.
 - Welfare facilities and other common area will be cleaned regularly. In addition to the usual cleaning regime, the facilities will be cleaned after each break time.
 - Where practical, break times will be staggered to avoid crowding the welfare facilities.
 - Work will be planned to avoid crowding. Where closer working is an absolute necessity, masks and gloves will be worn and the task must be planned to last as short a time as possible.
 - Site briefings (inductions, method statement briefings, DABs, Toolbox Talks, etc.) will be held outside, weather permitting, with adequate distance between all personnel (at least 2m). If this is not possible and a briefing is held indoors, then the briefing must be split into small enough groups to accommodate social distancing measures.
 - All personnel must maintain good personal hygiene, washing hands regularly.
 - Each piece of plant or equipment will have a designated operator assigned to it. Should a different operator need to use the piece of plant or equipment, it must be thoroughly cleaned first.
- Each method statement and risk assessment document contains a section relating to COVID-19 and actions to help eliminate or reduce the spread of infection in the workplace.
- A copy of the latest Site Operating Procedures regarding “Protecting Your Workforce During Coronavirus” from the Construction Leadership Council can be found in [Appendix 10](#).

D.10 Hazardous Materials

- All hazardous materials are addressed in site-specific method statements and risk assessments, which can be found in section 2 of this Demolition Phase Plan. The table below highlights hazardous materials, where they are located on site and the method statement & risk assessment that deals with them.

Hazardous Material	Location	MS Reference
Asbestos	See appendix 9	FDL001
Broken Glass	Broken windows, partitions and door windows	FDL001
Contaminated Sharps	Door entrances, alleyways	FDL001
Fibrous Insulation	Behind false walls and ceilings	FDL001
Dust	During soft strip and mechanical demolition	FDL001 / FDL002

Hazardous Material	Location	MS Reference
Smoke Detectors	Located on ceilings	FDL001
Pigeon Droppings/Carcases	n.a.	-
Mercury Vapour	Fluorescent light bulbs	FDL001
Underground Storage Tanks	n.a.	-
Above Ground Storage Tanks	n.a.	-
Paints	n.a.	-
Oils	n.a.	-

E : Environmental

E.1 Environmental Impacts

- The information detailed in the environmental section of this plan demonstrates FDL's capabilities as Principal Contractor to identify and minimise environmental impacts during demolition.
- A suitable management team is assigned to the project and they are fully aware of the standards detailed in this plan. The Contracts Manager will be responsible for ensuring the site team is briefed and is aware of Forshaw Demolition Ltd environmental responsibilities.
- Comprehensive records will be maintained throughout the project and will be available for inspection at any time by the appropriate regulators. Such records will include, but are not limited to, general site records; duty of care waste transfer and consignment notes; photographs; incident reports; details of complaints and corrective action reports; inspection reports; and other records generated.

E.1.1 Site Access Vehicle Movements

- Traffic movements will be managed to ensure that the vehicle movements do not impact on the neighbourhood.

E.1.2 Road Cleanliness

- Vehicle movements on site will predominantly be across existing internal roads and hardstandings and therefore the ability to collect mud and debris will be limited, as well as the potential to deposit mud on the public highway.
- The Project Management Team will monitor the roads throughout the contract and additional mitigation measures such as wheel wash facilities or road sweepers will be implemented if the Contracts Manager deems necessary.

E.1.3 Fuelling and Hazardous Liquids

- The management of re-fuelling is critical to ensure that pollution does not result from poor re-fuelling operations.
- The re-fuelling of plant and plant equipment will be carried out using a mobile diesel bowser. The diesel tank located on top of the mobile diesel bowser will be double-bunded.
- A designated area on site will be identified for refuelling plant. The area will be on a hardstanding located away from drains.
- The site will have absorbent granules in case of accidental spillage.
- Any container containing hazardous liquids will be placed on top of drip trays.

E.1.4 Dust and Air Emissions

- Undertaking the main demolition works and the associated vehicle movements during the project has potential to generate dusts and air emissions from the site. The following activities have been identified as being likely to cause these emissions;

E.1.4.1 Mechanical Demolition of Buildings

- During the mechanical demolition process, damping down will be required to minimise the generation of dust. The Contracts Manager will continuously monitor the situation to ensure adequate dust suppression is being used.
- If dust suppression is required standpipes and fires hoses will be used to spray water onto the buildings during the mechanical demolition process.
- It may be necessary to suspend works during windy and adverse conditions.

E.1.4.2 Vehicle Movements

- Where possible vehicles will be restricted to hard standing and a speed limit of 10mph will be introduced to further reduce the potential for dust generation.

- Road going vehicles will be sheeted and inspected for mud/loose materials prior to leaving site.

E.1.4.3 Crushing Activities

- Crushing will be undertaken on site. The location of the stockpile will be agreed with the Client prior to commencing crushing.

E.1.5 Noise

- Potential noise impacts have been identified from plant based operations, vehicle movements and generators. In order to minimise the potential effects on local residents and other sensitive receptors, the following measures will be implemented:
 - site will be operated in accordance with the agreed site hours,
 - noise monitoring will be carried out at regular intervals of the contract to ascertain background levels and demolition levels.
 - single access points and prescribed traffic routes will be established,
 - plant will be well maintained and fitted with effective silencers,
 - all acoustic covers to machines will be kept closed whenever the machine is in use,
 - noisy operations such as crushing to be carried out as far as practicable away from local businesses / residents,
 - prompt action to complaints.

E.1.6 Vibration

- Potential vibration impacts have been identified from plant based operations. In order to minimise these impacts, demolition will be carried out using excavators fitted with grabs, concrete and steel pulverisers. The process of using a 'pulveriser' to demolish the buildings ensures that vibration levels are vastly reduced.

E.1.7 Water Management

- Drainage runs will be identified on site and, where practicable, sealed to prevent any potential spills entering the drainage system.
- A copy of the drainage plans for the site will be located in [Appendix 3](#).

E.1.8 Trees

- There are no trees in the vicinity of the demolition works that need to be protected.

E.1.9 Housekeeping

- Housekeeping on site will be maintained to a high standard. A tidy site is generally a safer site.
- The Contracts Manager and Site Supervisor will regularly monitor the site for cleanliness. Where necessary an individual or team will be detailed to clean areas should the need arise.

E.1.10 Burning

- No burning is allowed on site during this project.

E.1.11 Contaminated Land

- If any land is suspected of being contaminated, work will stop and expert advice sought.

E.2 Waste Management

- It is the aim of Forshaw Demolition Ltd to recycle, recover or reuse over 95% of the structure and its contents. In order to achieve this, waste generated during the soft strip and demolition process will be segregated at source to ensure the correct waste stream can be identified.
- The waste will either be loaded directly into skips or temporary stockpiled in small quantities on site prior to export off-site.
- All waste movements will be recorded by Forshaw Demolition Ltd and handled in accordance with duty of care and Hazardous Waste Regulations. A summary of material movements will be provided in the post-demolition Health & Safety File.

E.2.1 Waste Separation

- The following waste generated during this contract will be segregated into the following waste streams;

TYPE OF WASTE	EWC	WASTE STREAM
Metal (iron & steel)	17-04-05	Recycle (off site)
Metal (non ferrous)	17-04-01, 17-04-02, 17-04-03, 17-04-09	Recycle (off site)
Brick	17-01-02	Recycle (on & off site)
Concrete	17-01-01	Recycle (on & off site)
Concrete & brick	17-01-07	Recycle (on & off site)
Wood	17-02-01	Recycle (off site)
Mixed demolition waste	17-09-04	Recycle (off site)
Asbestos (bonded)	17-06-05	Landfilled (off site)
Asbestos (fibrous)	17-06-01	N/A

- Any additional waste found on site and not identified in the table above will be separated, identified and stored in a suitable location until removed from site using the correct carrier, consignment note and EWC.

E.2.2 Waste Disposal

- Forshaw Demolition Ltd is a registered waste carrier and will transport waste materials to a licensed facility for recycling, recovery or landfill. Forshaw Demolition Ltd will ensure that any other waste carriers being used to transport waste will be similarly licensed.
- Forshaw Demolition Ltd will only use licensed sites to dispose of waste materials.
- A summary of waste carriers and waste disposal sites used will be included in the post-demolition Health & Safety File issued to the Principal Designer on completion of the project.

F : Communication, Training & Information

F.1 Communication with ...

F.1.1 Project Team

F.1.1 Between Client / Main Contractor & FDL

- FDL Project Management Team will consult and co-operate with the Client or their representative in order to co-ordinate the demolition activities so as to ensure that all identified risks are minimised and mitigated and that open communication is maintained between Forshaw Demolition Ltd and the Client.
- FDL's nominated principal contact for the project will be the Contracts Manager.
- Client contact names and telephone numbers are located in section B.1.
- To ensure FDL works are scheduled and carried out safely and in such a way as to avoid, minimise or mitigate health and safety risks to third parties, in particularly members of the public, FDL Contracts Manager or his appointed deputy will meet with the client when appropriate.
- Any Temporary Works' Design changes will be communicated to the Principal Designer.

F.1.2 Between Managing Director/Contracts Director & FDL Project Management Team

- Daily contact will be maintained between Contracts Manager and Contracts Director.
- Co-ordination and liaison of day-to-day health, safety and environmental matters shall be communicated to the Managing Director / Contracts Director by FDL Project Management Team
- A weekly contracts meeting will be held with key personnel involved in the contract. Health & Safety will form part of the agenda.

F.1.3 Between Project Management Team & Health & Safety Manager

- Any new or previously unknown hazard must be reported to the Health & Safety Manager as soon as possible after it has become apparent.
- Written Health & Safety inspections will be carried out by the Health & Safety Manager. Details of the report will be discussed with the Project Management Team.

F.1.4 Between Contracts Manager & Site Supervisor

- Daily contact will be maintained between Contracts Manager and Site Supervisor. All site information will be filtered through the Contracts Manager to the Site Supervisor and vice versa.

F.1.5 Between Contracts Manager/Site Supervisor & site operatives (including Sub Contractors)

- All site operatives and sub-contractors will attend a Daily Activity Brief (DAB).
- Co-ordination and liaison of day-to-day health, safety and environmental matters shall be communicated by FDL Project Management Team to all site operatives.
- Each sub-contractor must ensure that their employees receive adequate and suitable information contained in their risk assessments and method statements.
- FDL will establish a regime of Tool Box Talks so that every employee receives a health, safety & environmental briefing at least once a week.

F.1.2 Local Community

- All liaison with the local community and the college will be discussed with the client.

F.1.3 Enforcing Authorities

- All visits to the project's undertakings by inspectors from the Health and Safety Executive, Environment Agency, Environmental Health or other stakeholders with enforcement interests (e.g. ecologist) shall be promptly notified to the Contracts Director.
- Members of FDL Project Management Team will make themselves available to accommodate such visits.

F.1.4 Interested Parties

- Forshaw Demolition Ltd shall make such arrangements as are appropriate for liaison with other interested parties.

F.1.5 Public Relations and Complaints

- Forshaw Demolition Ltd will aim to complete this project with zero complaints. To achieve this, effective communication will be encouraged on commencement of the project and during the contract ensuring that the public, where necessary, are kept informed of key dates and activities that may directly affect them. Where necessary letter drops will be undertaken.
- Complaints shall be recorded on **Form A.10** which is filed in the Health & Safety Folder, and, where applicable, actions taken to rectify the source of the complaint and control measures taken to prevent a reoccurrence in accordance.

F.1.6 Changes to the Health & Safety Plan

- Should any changes to the demolition process occur, the relevant method statement and risk assessment document will be reviewed and amended, as necessary. If these changes impact Health & Safety on the project, these documents will be submitted to the Principal Designer for approval. Work will not proceed until this approval has been granted.

F.2 Training

- All FDL employees and sub-contractors employed on site will be competent to fulfil their roles.
- Details and proof of training of employees must be provided to FDL on request.
- Compliance will be recorded as part of the induction process using Site Safety, Health and Environmental Induction Training Record [Form A01](#).
- A copy of FDL training matrix can be found in [Appendix 8](#).
- The table below indicates the mandatory training requirements for all personnel working on FDL projects. This list is not exhaustive.

JOB / ROLE	MANDATORY TRAINING	TASK SPECIFIC TRAINING
Contracts Manager	CCDO Demolition Managers Card First Aid Training Asbestos Awareness	Face Fit Tested
Demolition Site Supervisor	CCDO Supervisors Card (or) SMSTS/SSSTS/PMSTS First Aid Training Asbestos Awareness	Face Fit Tested PASMA IPAF
Demolition Labourer Operatives	CCDO Demolition Card Asbestos Awareness	Face Fit Tested PASMA IPAF Slinger/signaller Harness wearing and inspection Non Notifiable asbestos removals CPCS (small plant (bobcat, 360 under 10t))
Demolition Plant Operatives	CPCS Excavator 360 Card Quick Hitch Training Asbestos Awareness	Face Fit Tested
HGV Drivers	CSCS (haulage category) HGV Class 1 or HGV class 2	ADR Cat 9 (bonded asbestos) ADR Cat 3 (diesel) Face Fit Tested
Sub-Contractor Supervisors	CSCS Supervisors Card (or) SMSTS/SSSTS/PMSTS	First Aid Training PASMA IPAF
Licensed Asbestos Removal Operatives	Licensed asbestos removal training Medical Face Fit Tested	PASMA IPAF
Scaffold Erectors	CISRS (Construction Industry Scaffolders Record Scheme)	Harness wearing

F.3 Information

F.3.1 Site Inductions

- Site Inductions will be carried out daily between **07:30 and 08:00**, unless by prior agreement with the Site Management Team.

F.3.1.1 General Operatives

- All persons engaged on site will receive a site-specific induction carried out by the competent person nominated in Section B.1 prior to starting works.
- The induction will be recorded on FDL internal **Form A.01** and kept on site for review.
- The induction will include (but not limited to);
 - date of induction
 - who gave the induction
 - medical requirements
 - site management
 - project details
 - emergency procedures
 - welfare arrangements
 - traffic management plan
 - site rules
 - method statement briefings
 - environmental arrangements
 - signature of the inductee

F.3.1.2 Supervisors

- The Supervisor / Manager induction shall to be delivered to **all** staff (i.e. Forshaw Demolition Ltd **and** sub-contractor employees) engaged on the project that hold supervisory or management positions using internal **Form A.01A**. **This is in addition** to the mandatory induction training recorded on **Form A.01**.

F.3.2 Daily Activity Briefings (DAB)

- A Daily Activity Briefing will be given to all site operatives and sub-contractors every morning prior to commencing works.
- The DAB will be carried out by the competent person nominated in Section B.1 and will be recorded on **Form A.35**. A copy of the DAB will be kept on site for review.
- The purpose of the DAB is to outline the day's activities, hazards and controls and other important points to note. It may also incorporate lessons learnt from the previous day and changes to the project. All sub-contractors are expected to attend and contribute.
- For those who come to site after a briefing has been carried out, the project management team should ensure that they receive this information.

F.3.3 Toolbox Talks (TBT)

- Toolbox Talks will be carried out on a weekly basis as a minimum and recorded on **Form A.03**. The TBTs will be carried out by the competent person nominated in Section B.1.
- Additional TBTs will be carried out as directed by site conditions or working practices.

F.3.4 Site Inspections

- Forshaw Demolition Ltd will carry out a formal SHE inspection of all work areas at least every 7 days. This will be recorded, actioned within reasonable timescales, and formally closed out detailing action taken and by whom. Inspections will be completed on **Form A.09**.
- Each sub-contractor must ensure that their line managers or supervisors monitor the health, safety and environmental standards of their activities as a normal part of their duties. A copy of the inspection report will be forwarded onto the sub-contractor's directors for review.
- As a minimum the following inspections will be completed;
 - weekly SHE Inspections by Contracts Manager or delegate.
 - monthly SHE Scored Inspection by Health & Safety Manager.
- In addition to the above, FDL Project Team shall monitor health, safety and environmental standards and performance as follows:
 - Supervisors will monitor their work areas SHE conditions and performance daily/routinely,
 - Directors will carry out a periodic safety tour (at least every three months).

F.3.5 Standards

- Includes but not restricted to the list below:
 - The demolition will be carried out in accordance with BS 6187: 2011.
 - The Management of Health & Safety at Work (Amendment) Regulations 2006.
 - The Construction Design and Management Regulations 2015.
 - The Personal Protective Equipment at Work Regulations: 1992.
 - The Provision and Use of Work Equipment Regulations: 1998 (PUWER)
 - The Lifting Operations and Lifting Equipment Regulations: 1998. (LOLER)
 - The Manual Handling Operations Regulations: 1992.
 - The Health and Safety at Work Act 1974.
 - Health and Safety (First Aid) Regulations: 1981.
 - Control of Substances Hazardous to Health Regulations 2002.
 - Control of Asbestos at Work Regulations: 2012.
 - Asbestos (Licensing) (Amendment) Regulations: 1998.
 - Work at Height Regulations 2005.
 - The Control of Noise at Work Regulations 2005.
 - Control of Vibration at Work Regulations 2005.

F.3.6 Failure to comply with the requirements of this plan

- Any persons who disregard the safety, health or environmental rules and arrangements detailed in this plan will, in the first instance, receive a verbal warning from FDL Project Management Team; subsequent misdemeanours will provoke the removal of the person from site. The Project Team reserves the right to remove from site instantly any person whose acts or omissions in his opinion constitute serious danger to people or property.

G : Emergency Procedures

G.1 General

- Forshaw Demolition Ltd and all sub-contractors must identify via their risk assessments any emergency procedures that are required as a result of their work activity. These requirements should then be discussed with FDL to assess whether a common procedure is appropriate.

G.2 Accident Reporting & Procedures

- FDL will provide first aid and emergency care. An accident book, eye wash and first aid kit will be located in the site office as indicated on the Site Plan located in **Appendix 2**. This will be shown to all operatives at their site induction.
- Site accident emergency procedures will be displayed on the Site Health & Safety notice board and will consist of the following information:
 - location of the first aid box & accident book,
 - identification of site first aid personnel,
 - address of site,
 - route map and address of the nearest accident and emergency unit.
- All accidents will be recorded in the site accident book and will be reported to the Contracts Manager or main office by the most immediate means as soon as possible and within 30 minutes of the accident occurring. The Contracts Manager will notify the Health & Safety Manager of the accident as soon as possible. The Health & Safety Manager will notify the Client and Principal Designer of the accident as soon as possible.
- The Health & Safety Manager will carry out an accident investigation. If required by RIDDOR 13 the Health & Safety Manager will notify the HSE on a form F2508.
- A route map to the nearest A&E hospital will be displayed on the Health & Safety Notice Board within the site office.
- All first aiders will be clearly identified i.e. by a first aid sign on the hi-visibility jacket or hat.
- Significant sub-contractors will provide their own trained first aiders.

G.3 Fire Procedures

- All operatives will be shown, at induction, the site specific fire procedures.
- A site fire emergency plan will be displayed on the Site Health & Safety notice board and will consist of the following information;
 - action on discovering a fire,
 - location of fire extinguishers,
 - location of fire alarms,
 - location of assembly point,
 - address of site,
 - identification of fire marshals.
- All existing doors and passages inside of the buildings will be kept clear and used as fire routes.
- Site entrances will be kept clear to give emergency vehicles access to the site under the supervision of the site supervisor or appointed representative.
- A log will be kept of all operatives and visitors to the site. The site supervisor will be responsible for ensuring all persons are out of the buildings by form of a roll call.
- There will be no smoking inside any of the buildings.
- A fire marshal will be nominated on day one of the contact.

A1 : Method Statements & Risk Assessments

Method Statement Register

[illegible]

A2 : Drawings

[illegible]

A3 : Service Information

[illegible]

A4 : Project Specification

A5 : Programme

A6 : F10 Notification

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An F10 notification has been issued to the HSE and a copy can be found overleaf.

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An F10 notification is not required for this project.

A7 : Section 81 Notice

A8 : Staff Training Matrix

A9 : Asbestos Survey

Westland Building
Armco Asbestos Surveys
Ref B-18737
Date 28.06.21

Caretaker's House
Armco Asbestos Surveys
Ref B-18738
Date 04.06.21

Nursery Building
Armco Asbestos Surveys
Ref B-18739
Date 07.06.21

Welding Workshop
Armco Asbestos Surveys
Ref B-18740
Date 04.06.21

A10 : Covid-19 Site Operating Procedures