JAMIESON
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Project: Ashton Old Road MSV housing
Project No: TBC
Construction Environmental Management Plan

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Contract No.	TBC
Project Title	MSV Ashton Old Road Construction Environmental Management Plan

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1 Introduction

1.1 Jamieson contracting LTD on behalf of MSV, Mosscare St Vincent housing has developed this Construction Environmental Management Plan (hereinafter referred as CEMP) for the development of the vacant land between 1466 and 1470 Ashton old road (hereinafter referred as "the proposed development").

1.2 This CEMP details procedures and plans for the avoidance, minimisation and mitigation of potential environmental impacts as a result of the construction phase of works in accordance with the mitigation hierarchy.

1.3 These plans constitute a framework of measures, targets and monitoring strategies for the environmental management of the project's construction phase.

1.4 All of these plans and procedures are bespoke to the project and exist within a dynamic system of management which will be reviewed and edited throughout the progression of the project.

1.5 The development of the document has been developed with the aim of managing environmental impact of any construction activities in accordance with the Mitigation Hierarchy. As such it should be regarded as a guidance document subject to change and review as environmental risks and potential impacts change during project progression.

1.6 For the purposes of this CEMP the definition of "Working Area" was defined as "any area that will require either temporary or permanent works to facilitate the progression of the development's construction phase." This includes areas required for access, temporary construction works and temporary storage areas.

2.0 Regulatory Framework and Planning Conditions

2.1 The proposed project is to create a single building with 3 flats for MSV on Ashton old road, Manchester

2.2 The Construction Environmental Management Plan (CEMP) is required to encompass environmental controls when required with due consideration to relevant environmental legislation and local requirements.

2.3 The CEMP provides the framework for which commitments made in the Planning Application documents or any requirements of planning conditions can be realised. The CEMP outlines the contractor's approach to environmental management throughout the construction phases with the primary aim of reducing any adverse impacts from construction on local sensitive receptors and managing the sustainability impacts of the project's development.

2.4 The planning permission conditions with environmental implications applicable to the MSV Ashton old road development will be reflected as best practice in our general environmental management principles and guidance.

3.0 Site Location & Project Description

3.1 This CEMP has been produced in support of the Planning conditions discharge Life and Mind Project.

3.2 The site is located at 1468, Ashton Old Road, Manchester and occupies the footprint between 1466 and 1470 and is within the Manchester City planning authority.
3.3 The existing site is currently Vacant enable the construction of the new flats
3.4 The new building abuts No 1466 and 1470

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3.5 The site is bound to the North by Ashton old road and, immediately South by the rear housing entrance road.

3.6 There are no hospitals, schools or emergency service facilities located within 200m of the development boundary.

3.7 We anticipate site working hours to be
- 08:00 to 18:00 hours Monday to Friday
- 08:00 to 13:00 hours Saturday

Deliveries to site may be restricted to site at peak times from 07.30 to 9.30 and 16.30 to 18.30.
All works will be undertaken within the agreed hours stated within the planning approval. Unless in the event of unforeseen or exceptional circumstances such as: •
Health and safety issues which require continuation of the works
- Works being carried out within the existing building envelope.
- Completion of operations that would otherwise cause greater interference to the environment or members of the public if not completed.

- Completion of concrete pours due to unforeseen overruns such as batching plant delays or traffic delays

3.8 To maintain these working hours, contractor(s) will require a period of 30 minutes before and at the end of the working shift to start up and close-down the works activities.

3.9 During the construction period it may be necessary in exceptional circumstances to work outside the prescribed hours. Should this occur, the duration of works will be subject to consultation with MCR City Council

4.0 Construction Programme

4.1 The detailed Construction Programme will be made available for review in the site office.

4.2 The overall construction period from commencing the Main works to completion and project handover is anticipated to be in the region of 135 weeks. The table below summarises the construction sequence and approximate dates and durations for each section of work (excluding sequence overlap).

Construction Stage	Duration	Anticipated Start	Anticipated Finish
Site set – up and enabling work	4 weeks	Feb 2024	March 2024
Piling Works	2 weeks	March 2024	March 2024
Sub - structure to ground floor	4 weeks	March 2024	April 2024
Super- structure and ext. envelope	10 weeks	April 2024	June 2024
Internal fit out	18 weeks	June 2024	October 2024
Testing and commissioning	4 weeks	October 2024	November 2024

4.3 A full copy of the construction programme will be available from the Construction Manager.

5.0 Roles & Responsibilities

5.1 The Construction Manager is responsible for:

- Ensuring that the CEMP is developed & held on site and that it is implemented throughout all phases of the project. Ensuring the CEMP details are updated as and when relevant information is provided by the stakeholders associated with each section of the CEMP; e.g. further consent conditions, pre-construction surveys, etc.
- Maintaining the CEMP and ensuring that all contractors and visitors comply with it.
- Ensuring that environmental issues identified within the Pre-Construction Information and the pre-construction site surveys and relevant information gathered from agencies, local councils etc are addressed.
- Producing environmental project specific controls for all significant risks identified and implementing control measures to minimise the risk of damage to the environment.
- Communicating the CEMP and other related document to employees, contractors and client representatives.

- Ensure the site and all stored materials and chemicals are safe and secure.
- JCL signage indicating where and whom visitors should report to are clearly displayed, the site is kept in a tidy and orderly fashion. Waste will be managed in conjunction with the JCL's procedure.
- Controlled access arrangements as so those entering site may avoid hazards.
- Emergency egress arrangement so those leaving site in the event of a pollution or spillage incident may do so safely.
- There are First Aid Facilities and appropriately trained First Aid staffs, spill kits are available and appropriately trained staff.

Ensure all those that work on site:

- Have JCL Site Induction including briefing on environmental issues pertinent to the project and relevant toolbox talks.
- Understand and obey the Site Rules.
- Are made aware of the Emergency egress arrangements, Muster points, First Aid facilities and First Aiders, spill and clean up procedures.
- Read and understand the site hazard board.
- Have current certification for activities as required.
- Are aware of all environmental matters which arise on site.

Ensure the activities on site:

- When necessary are carried out under Client Operational Safety Rules.
- Have task specific risk assessments and method statements (RAMS) in place identifying any environmental issue which may be applicable.
- Are carried out in accordance with the requirements of any associated RAMS.

5.2 Contractors and visitors to the project will be responsible for:

- Ensuring that the control measures identified from environmental surveys are implemented as they are relevant to their work / visit.
- Ensuring that the project management team are notified of any nonconformance of control measures or environmental incident where the environment has been put at risk.
- Reporting relevant details and providing evidence pertaining to environmental aspects within which their operations are influential, as necessary or requested by the Principle Contractor.

5.3 The site Safety, Health & Environment Advisor (SHE Advisor) is responsible for:

5.3.1 Ensuring work is carried out:

- In a safe manner.
- In accordance with any manufacturers' instructions etc., good standards of workmanship.
- Ensure site staff are working in accordance with agreed Risk Assessments and Method Statements (RAMS) particularly where activities have the potential to cause environmental harm.
- Health and safety advisor to complete the site waste management plan and ensure it is followed.
- Ensuring that the CEMP is implemented throughout all phases of the project.

5.3.2 Monitoring SHE issues by:

- Carrying out regular checks on site to ensure the site is secure and tidy.
- Monthly audits.

- Consulting workers on the effectiveness of measures to reduce risk to the environmental, reviewing and improving conditions or methods/procedures where appropriate.
- Keeping records of and reporting any incidents and close calls (near misses).

5.4 The Environmental Manager shall be responsible for:

5.4.1 Ensuring that the CEMP is developed & held on site and that it is implemented throughout all phases of the project. Ensuring the CEMP details are updated as and when relevant information is provided by the stakeholders associated with each section of the CEMP; e.g. further consent conditions, pre-construction surveys, etc.

5.4.2 Maintaining the CEMP and ensuring that all contractors and visitors comply with it.

5.4.3 Ensuring that work is carried out:

- In accordance with legislation & consents, objectives, targets and the Construction Environmental Management Plan with regards to any environmental activities on site.
- Ensure site staff operates in accordance with agreed Risk Assessments and Method Statement (RAMS) and in accordance with the JCL induction and toolbox talk training with regards to environmental risk.

5.5.4 Monitor/Report Environmental Issues by:

- Carrying out weekly checks and "toolbox talks" carried out and recorded as necessary
- Carrying out Monthly Audits of Environmental Data and Statistics
- Ensuring compliance with Environmental legislation & consents, objectives, targets and the Construction Environmental Management Plan.
- Carrying out Inspections, Audits and Non – conformance reports.
- Responsible for delivering environmental training.
- Environmental Advisor to liaise with Health and Safety advisor to complete the site waste management plan and ensure it is followed.
- Environmental performance data reporting.
- Ensure work is carried out in accordance with the Environmental Statement.
- Compliance with environmental legislation, consents, objectives, targets and other environmental commitments.

6.0 Information for contractors & visitors

6.1 All contractors and visitors to the site will be made aware of the Environmental Policy and the controls applicable to their presence and activities on site including but not limited to:

6.1.1 Method Statements
6.1.2 Risk Assessments
6.1.3 Site inductions containing environmental briefings
6.1.4 Toolbox Talks

6.2 The Project Manager will be responsible for monitoring communications between all relevant parties to the project ensuring that all environmental matters to the project are discussed and managed and observation of the communications will be documented in the weekly site meetings and sent by e-mail. In addition, a copy of all correspondence will be held in this file.

6.3 Relevant Site layout and locations / plans / CDM drawing detailing the location and construction of the site compound, storage locations and car parking are to be displayed on an information board at the site entrance.

7.0 Sustainability Strategy

7.1 Environmental considerations are assessed in the project 1468 Ashton Old Road Sustainability Strategy Report which contains a Sustainability Implementation Plan. We will implement a tracker schedule to monitor compliance during the Construction Phase.

8.0 Ecology

8.1 The Site was of negligible ecological value.

8.2 Efforts will be made to ensure wildlife in the area is unable to enter the site during operations to prevent harm to wild individuals.

8.3 Efforts to promote biodiversity during the project's duration will be made.

9.0 Air Quality

As far as is reasonably practicable the project will seek to control and limit emissions to the atmosphere in terms of gaseous and particulate pollutants from vehicles and plant used on the site and dust from construction activities through:

- Identifying potential sources of emissions to the atmosphere and applying appropriate Best Available Techniques (BAT) control techniques including vehicle sharing and not idling in plant.

9.2 Air Quality monitoring will be implemented if deemed necessary along the boundaries of site to ensure that dust particles in the air are kept to safe and acceptable levels; Levels to be agreed with MCR City Council.

10.0 Construction Site Waste

10.1 Waste has been identified as a key area of environmental risk within the construction industry

10.2 Waste can have significant effects on the environment. Waste on site will be managed in accordance with the waste hierarchy: Eliminate > Reduce > Reuse > Recycle > Recover > Dispose.

- Where waste is produced, and where possible, reports will be requested to show the actual tonnage of waste produced and the breakdown of how this waste was dealt with, e.g. diversion from landfill rate
- Where possible, precast or pre-cut materials to eliminate waste creation on site

10.2.1 Waste Storage

- Waste will be stored to prevent its escape and will not be stored near sensitive receptors
- Hazardous waste will be stored separately from inert and non-hazardous waste, and different hazardous waste will not be co-mingled

10.2.2 Waste Disposal

- Carrier licenses will be obtained and checked for all companies who remove waste from site
- All waste transfer notes / hazardous waste consignment notes are to be checked before signature to ensure all required information is recorded before the waste is removed

10.3 Water (including drainage and connections)

Works will be undertaken in accordance with approvals from the Environment Agency and where appropriate, site drainage, including surface runoff and dewatering effluents, will be discharged to sewers where reasonably practicable and relevant permissions will be obtained from the sewerage undertaker or statutory undertakers as required.

Site drainage will meet the requirements for effluent and flood risk standards required.

10.3.1 Background Information / Key Issues

Not applicable on this project.

10.3.2 Management and Mitigation Measures

Not applicable on this project.

10.5 Preventative Measures

Jamieson Contracting will implement appropriate measures to limit, as far as reasonably practicable, the risk of pollution due to construction works and materials.

Additionally, the project will ensure that:

- All fuels, oils and chemicals shall be stored in containers specifically manufactured for the purpose, to prevent contamination in the event of spillage or damage. Tank capacity shall be checked before delivery to prevent overfilling
- Fuel tanks or bowsers must comply with the specifications set out in the regulations. All ancillary equipment (hoses, pistols, valves etc.) will be kept within secondary containment. Tanks and bowsers must be lockable and kept locked when not in use
- Preference will be given towards using Plant Nappies over traditional drip trays
- Fuel stores will be equipped with bunds, drip trays or Plant Nappies
- Diesel generators must be equipped with drip trays or Plant Nappies
- The contents of storage containers shall be clearly marked to prevent accidental cross contamination
- Arising's from any earthworks and shall only be stored on site in areas designated for the purpose and should be regularly inspected to ensure that no surrounding ground or watercourse is being contaminated by runoff or seepage

10.6 A Construction Phase site waste management plan will be developed

11.0 Heritage

11.1 We understand at this stage these is no requirement for Archaeological investigations or monitoring of the works. If required, we will liaise with MCR Council to agree an appropriate scope and co-ordinate with our works as appropriate.

12.0 Water Consumption

12.1 Water consumption will be monitored monthly and reported against to track resource efficiency.

12.2 Checks will be made across the project for leaks and other wastages of water to prevent unnecessary wastage of resources.

12.3 Water reduction methods will be identified, considered and implemented where appropriate across the project.

13.0 Pollution Prevention & Hazardous Material Storage

13.1 Pollution incidents are a potential risk for the project where COSHH materials, oils and fuels will be implemented or stored.

13.2 Sufficiently secured and adequately bunded storage will be provided for these materials and fuels to ensure minimal risk of a spill and pollution incident.

13.3 In preparation for the potential of a spill incident spill kits will be provided across site and distributed to areas of likely risk, around COSHH Materials stores, near COSHH bins and wherever plant is operating or being stored.

13.4 Spill response training will be carried out regularly for site operatives for whom it is relevant to ensure that in the event of a spill incident there is adequate knowledge for proper response and remediation.

13.5 A designated location for the storage of fuels and refuelling of operational plant and machines will be identified in the interest of limiting the potential spread of high-risk areas. This refuelling station will have marshals trained adequately in the handling of fuels and in spill response with adequate spill kits provided in case of incident.

14.0 Soil & Geology

14.1 Earthworks and excavation is an extremely small aspect of the project. Soil waste will be managed by approved and licenced waste carriers and destinations with reuse of the soil being implemented wherever possible.

14.2 The site geotechnical report identifies Shallow made ground overlying clay of variable strength

15.0 Construction Lighting

15.1 Lighting will be implemented across the site to ensure the safety of employees during operations, particularly during the winter months and in areas of limited natural light.

15.2 Where possible lighting will be designed to be energy efficient and used only when required with all lights requested to be LED's and split circuit lighting to allow for control of light requirement by location.

15.3 Censored security lighting will be implemented for safety and security around site with overriding switches for security to control localised area lighting as necessary.

15.4 Where possible lighting will be directed into the site boundary to prevent nuisance for neighbours of the site and wildlife in the surrounding area.

16.0 Noise & Vibration

16.1 Noise and vibration nuisance are potential issues for local building users, members of the public and structures within the vicinity of site.

16.2 Noise Management will be carried out in accordance with BS5228-1:2009. Code of practice for noise and vibration control on construction and open sites

16.3 Construction methods will take consideration to minimise noise and vibration will include:

- Off-site premixed mortar
- Offsite manufactured trusses
- Premanufactured beam and block flooring

16.4 BAT will be employed which will balance noise and vibration against the works to be completed. The following factors will be considered:

- Proximity to residents
- Duration of the works
- Time of day the works are to be undertaken
- The engineering practicability and safety

The noise control hierarchy will be implemented – Eliminate > Substitute > Isolate > Control – to minimise the effect of our operations and plant and machinery on neighbours.

Where possible, noise and vibration will be controlled at source

Plant will be positioned so that emissions do not cause nuisance to neighbours or sensitive receptors

17.0 Housekeeping & Security

17.1 Security will be implemented on site using video cameras. Sufficient hoarding will be provided for the prevention of access to the project.

18.0 Incident Response

18.1 All environmental incidents should be reported directly to the JCL Project Manager and reported on the JCL's incident reporting system as soon as reasonably practical.

18.2 An environmental incident can be:

18.2.1 A fuel or chemical spillage to ground, into drains or a watercourse
18.2.2 Damage to the habitat of protected species or nesting birds
18.2.3 Damage to protected species either plants or animals
18.2.4 Damage to protected features such as Trees subject to TPO's
18.2.5 Incidents involving waste such as fly-tipping or the illegal transfer of waste

18.3 JCL's emergency response plan to be completed by environment manager, SHE adviser and Construction Manager in collaboration.

18.4 As a minimum, contractors will be required to complete a risk assessment to assess requirements for spillage equipment and pollution prevention storage. Any equipment should be clearly labelled, readily available and the locations and operations should be detailed in an environmental toolbox talk to contractors.

18.5 The JCL's WhatsApp app will be used by all project staff to help identify examples of both good and bad environmental practice. points for bad practice will be investigated and addressed whilst points for good practice will be promoted and communicated.

18.6 Where necessary in the event of a pollution incident the Environment Agency (EA) will be contacted, and JCL and client Environmental Project Manager will be notified. The EA Pollution Hotline Number is 0800 807060.

18.7 JCL's reporting policy and procedures shall always be complied with for investigations of incidents as necessary.

18.8 If a workplace hazard is spotted a "close call" must be raised to prevent any incidents or activity that could be potentially harmful to the environment or the community.

18.9 If an incident or event is likely to give rise to public concern and adverse media attention OR involves significant spills, leaks or toxic substances or pollution then relevant incident investigation should be carried out in accordance with JCL's reporting procedures. The form is F030 – Incident, Close Cal, Near Miss and Irregularities

IN THE EVENT OF A LEAK OR SPILLAGE ON SITE
STOP WORK immediately and RAISE THE ALARM

- Fast, immediate response is vital
- Raise the alarm if necessary
- At the very least make sure everyone in the vicinity is aware of the incident

BE AWARE - IDENTIFY THE SPILL

- Identify the source and substance spilling, don't try to identify the substance by touch or smell
- If you are not sure what the substance is, don't take any risks
- If the spillage is flammable, extinguish all sources of ignition
- Safety for you and others is the number one priority

PROTECT YOURSELF

- PPE – safety boots, gloves, non-absorbent overalls, must be suitable for the liquids spilled and goggles if there is risk of splashing

HELP THE INJURED

- If anyone is injured help them first, but only if it is safe to do so. Rushing in could make you a victim too. Do you need the emergency services?

STOP THE SOURCE

- For example: patch holes in drums with leak sealing putty; turn off valves, pumps or engines; or upright drums or containers
- If the spillage is flammable, extinguish all sources of ignition

CONTAIN THE SPILL

- Stop the spill from spreading and from reaching drains, open ground or sensitive areas
- Use spill granules, sand, bunds or socks and booms to contain the spill
- Cover or protect drains (even if some of the spill has entered the drain)

NOTIFY

- Notify the Site Supervisor/Manager of the incident
- Notify the HSQE Team *(Insert phone number)*
- If the HSQE Team is not immediately available contact the On Call Manager
- The HSQE Team or On Call Manager will liaise with the Environment Agency
- If it has reached a foul drain, the sewer provider should be notified as soon as possible

19.0 Internal Communication & Training

19.01 The CEMP will be distributed to the project team, including subcontractors, to ensure that the environmental requirements are communicated effectively. Key activities and environmentally sensitive operations will also be briefed to staff & subcontractors. Project, client and company environmental policies shall be displayed on site.

19.02 A schedule of meetings will be developed to include weekly safety, health and environment meetings. At these meetings any issues or incidents will be raised and communicated with the client, along with proposed remedial and mitigation actions and additional controls as required. An environmental register must be signed and updated to confirm toolbox talks, training and weekly meetings by the environmental team.

19.03 During the construction phase, internal communication will include reporting on the following: Inspections, audits and non-conformance, environmental performance data including any incidents, near misses and progress on reaching targets. Group SHEQ-S and the director will be informed of any visits by external bodies and the outcome or feedback of any such events.

19.04 Site staff will be competent to perform tasks that have potential to cause environmental impact. Competence s defined in terms of appropriate education, training and experience. Where project specific training is required, training will be appropriate to the role and seniority of staff.

19.05 Environmental awareness and training shall be achieved by:

19.05.1 All managers and supervisors to be briefed on the CEMP. All sub-staff and operators are to undergo an environmental induction and toolbox talks and the CEMP will be signed and updated on the environmental register.

19.05.2 Site inductions, including relevant environmental issues such as waste management, working near watercourses, noise & dust managements and ecological risks

19.05.3 Emergency preparedness and response briefings, including communication and reporting of incidents, use of spill kits and other equipment.

19.05.4 Method statement and risk assessment briefings including reference to environmental risks

19.05.5 Toolbox talks to cover specific task related matters of environmental risk

19.05.6 Key project specific environmental issues and briefings

19.06 Meetings provide the project manager and team an opportunity to exchange information and receive immediate feedback

20.0 External Communications

20.01 All complaints or information requests will be made aware to the Project Manager and will be logged promptly. A member of the Project Management Team will be nominated with responsibility for briefing all staff on acceptable conduct and delivery of notification letters approved by the client Community Relations representatives.
Notification letters will be delivered not less than 7 days prior to works starting on site and will include details of a project contact and the 24-hour contact number.

20.02 Noise may be a key subject of complaint where construction works take place very close to residential and retail areas. Working hours, plant types, construction methods and noise mitigation measures may be subject to section 61 consent under the Control of Pollution Act 1974. This will be applied for via the local authority and a mitigation plan developed leasing with local environmental authorities.

20.03 The local authority environmental health team will be first point of contact for residents affected by noise, dust or other nuisance issues with the potential requirement that they be kept informed on progress, programme and upcoming phases of works that may give rise to disturbance to develop plans and respond to complaints.

20.04 Careful monitoring of complaints received, including recording details of the location of the affected party, time of the disturbance and nature. This is to assist with managing the works to reduce the likelihood of further complaints.

21.0 Other Comments

21.01 In addition to the mitigation measures, JCL maintain an Environmental Management System (certified to ISO14001) from which information will be extracted as required to complete method statements upon which operatives will be briefed.

Commented [MB1]: Do we have this ISO accred??

21.02 A commitment register for the scheme will be maintained, including the commitments identified within the CEMP. This will include any additional surveys, authorisations, consents, licenses and permissions required by the project in service of the construction operations of the development. The register will be updated with any new issues identified during the preconstruction or construction phase.