



PRELIMINARY SAFETY & HEALTH PLAN

Rochdale Claremont Avenue,
Honey Park,
Dun Laoghaire,
Dublin

Version:
Ref: SH/NC
Date: July 2026

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General View: Plan View

Quality Assurance

	Name	Position	Date
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1 PREFACE

This Preliminary Safety and Health Plan has been prepared on a preliminary basis, in accordance with the Safety, Health & Welfare at Work (Construction) Regulations 2013 (SI No. 291 of 2013) (the “**Regulations**”) and subsequent amendments thereof by Module Group as the Project Supervisor Design Process (PSDP). The Plan highlights those hazards that have been identified, by the Designers, and constitute a particular risk on this project, that the Project Supervisor for the Construction Stage will have to manage during the construction phase.

The Preliminary Safety Plan has been prepared on the basis of information received from designers to the project works and refers to works carried out within the building and associated services connections.

All Designers, Contractors, and the Project Supervisor for the Construction Stage (PSCS) working on this project are required (by the **Regulations**) to comply with any written directions issued by the PSDP to enable them to comply with the **Regulations**.

The PSDP is required (by the **Regulations**) to notify the Health & Safety Authority (HSA), and the Client, of any parties who fail to comply with written directions issued by the PSDP.

The PSDP accepts no liability, whatsoever, for omissions from the Preliminary Safety & Health Plan and / or the Safety File (as required by the **Regulations**) where such omissions arise from failure to comply with written directions issued by the PSDP.

The PSDP shall compile one Safety File, for hand over to the Client. The Client, the Client’s contractors, and sub-contractors are responsible for ensuring information is forwarded to the PSDP for inclusion in the Safety File.

Whilst it is not the responsibility of the PSDP to inform the HSA of this project, we would point out that the Client has a statutory duty (as required by the **Regulations**) to notify the HSA of this project (at, or before, the commencement of the design process).

The Project Supervisor for the Construction Stage (PSCS) is required to develop this Preliminary Safety and Health Plan into the (Construction Phase) Safety & Health Plan prior to the commencement of construction works on site.

The PSDP shall not perform the duties, or part thereof, of the Project Supervisor for the Construction Stage.

2 GENERAL DESCRIPTION OF THE PROJECT

The Scope of Works encompasses fire compliance works comprising upgrading to the top of the entrance hallway walls, firestopping of the service penetrations across the entrance hallway walls and above the apartment front doors and fire stopping of vertical penetrations through the compartment floor and upgrading elements related to the fire rated doors. The works are to be carried out to Apartments listed below. The Contractor will provide the required Confirmations of compliance in every respect with the required standards.

Refer to the tender documentation for a full and detailed description of the works.

3 PROJECT DETAILS

3.1 Project Location

The project is located at Rochdale, Claremont Avenue, Honey Park, Dun Laoghaire, Dublin.

Access to site is unrestricted and can be accessed off of Claremont Avenue.

The works will be restricted to the subject apartments as listed in the schedule of works.



3.2 Client & Project Team

CLIENT		
Tuath Housing Association	N/A	33 Leeson Street Lower, Dublin 2
BUILDING SURVEYOR		
Module Group	Shane Hynes	42 Dawson Street Dublin 2 T: 086 012 6820 E: Shane@modulegroup.ie
PSCS/ MAIN CONTRACTOR		
TBC	TBC	TBC
CONTRACT ADMINISTRATION		
Module Group	Shane Hynes	42 Dawson Street Dublin 2 T: 086 012 6820 E: shane@modulegroup.ie
PSDP		
Module Group	Shane Hynes	42 Dawson Street Dublin 2 T: 086 012 6820 E: shane@modulegroup.ie

3.3 Appointment of Project Supervisor for the Construction Stage (PSCS)

The successful **Contractor (NAME AS APPROPRIATE)** is to be appointed (in accordance with the **Regulations**) roles on the project as outlined below:

- Project Supervisor for the Construction Stage (PSCS)
- Contractor
- Temporary & Permanent Works Designer (for the elements of Permanent Works for which the Contractor shall have responsibility – refer to section 6)

It is a requirement of the procurement process that the nominated PSCS demonstrates that they are competent to carry out the role for these particular construction activities.

Note – Any reference to Contractor / PSCS (within this Preliminary Safety & Health Plan) includes the roles (as noted above), and the obligations of the Applicant under the Contract.

Important Notes

- Existing HSA Guidelines, and HSA Codes of Practice, published under the Safety, Health & Welfare at Work (Construction) Regulations 2006 shall remain applicable to this project until such time as the HSA updates their Guidelines and / or Codes of Practice in line with the Safety, Health & Welfare at Work (Construction) Regulations 2013 (S.I. 291 of 2013). New HSA Guidelines, and HSA Codes of Practice, published under the Act or Regulations shall be applicable to this project as, and when, they are published by the HSA.
- This Preliminary Safety & Health Plan is provided for information only and does not form part of the Contract. The full scope of works, and the obligations of the Contractor / Applicant is, are to be ascertained by reference to the full set of Tender / Contract documents.

3.4 Estimated Timescale of Project

Overall estimated timescale for completion of the works is to be confirmed. The overall timescale for the project works will be based on the client approval for works to proceed together with phasing requirements, works within an active and occupied environment with onsite restrictions in regard to access and vehicle movement and also on the methodology to be employed by the appointed contractor and PSCS. The scheduling and sequencing of the project works should be reviewed and agreed with the project team before any works commence on site.

The timescale and phasing of the project to be carried out in line with the Clients requirements. The Project Schedule should in no way affect the safety, health and welfare of those persons involved in the project to meet its requirements.

It is the responsibility of the Project Supervisor for the Construction Stage to advise if this timescale is achievable with respect to safety, health, and welfare considerations.

*Planned Commencement: **TBC***

*Estimated Duration: **TBC***

3.5 Covid 19 Protocols

The contractor/PSCS should take account of the requirements and procedures as set out in the Construction Sector C-19 Pandemic Standard Operating Procedures prepared by the CIF. Full reference should be made to the latest version of the SOP on the CIF web site as updates are expected.

Due to the current nature of this pandemic the issues outlined below are not and cannot be exhaustive.

Key areas to be addressed on site and in the developed construction safety plan should take full account of the CIF Standard Operating Procedures and their own developed risk assessment and safety planning procedures to address Covid 19 issues (noting that it is the PSCS responsibility for safety on site and additional procedures may be required in addition to these):

- Access protocol and security, one-way access recommended.
- Development of timeframe and phasing of works to maintain compliance with 2m distancing requirement.
- Handwashing and sanitation regime at entrance and within site areas in line with CIF SOP.
- Strict control of access to all non-construction personnel into or around areas to be controlled by the PSCS.
- Cleaning regime for site offices, plant, vehicles and machinery to be developed.
- Training and orientation regime for Covid 19.
- Appointment of Covid 19 Officer.
- Maintaining strict 2m distancing separation for works activities where practicable, all areas.
- Developing risk assessment where this distance cannot be maintained.
- Development of RAMS, SPA safety starts, SSWP etc for all work activities.
- Use and wearing of appropriate PPE where required as set out in the SOP.

- Development of procedure in the event of a suspected or confirmed case of an operative contracting the virus.
- Develop communication arrangements to support all Covid 19 safety protocols and procedures.

3.6 Project Safety Objectives

The objectives of the project Health & Safety Policy are as follows:

Avoid unsafe work practices. Safeguard the health of our employees, our subcontractors and anyone affected by the work. Ensure proper welfare facilities are provided for all persons conducting their works on site.

Comply with all relevant legislation, and in particular:

- The Safety, Health & Welfare at Work Act 2005
- The Safety, Health & Welfare at Work (Construction) Regulations, 2013
- The Safety, Health & Welfare at Work (General Application) Regulations, 2007

Particular objectives which should be implemented to achieve this are as follows:

- Daily Safety Inductions
- Regular Inspections/Audits
- Reporting of Near Misses
- Client Involvement in Monitoring and Auditing

3.7 Drawings / Specifications

Relevant drawings/details are available via the project design team and should be accessible at all times throughout the project.

3.8 Existing Safety File / Existing Records

We are not advised of any existing safety file in place for the building.

4 INFORMATION REGARDING THE PROPOSED SITE

4.1 Relevant Adjoining Land Uses

Please see snippet below to assist with the illustration of the site surroundings.



4.2 Restrictions on Working Hours

The working hours on this project are to be agreed with the client and site management. It is envisaged that works will take place during normal working hours. The following working hours will apply on site:

- Mon – Fri 7:30 am to 6:00 pm unless stated otherwise
- Saturdays 7.30am to 1.00pm
- Sun / Bank Holidays No work Permitted unless stated otherwise
- Hours of work may change, and if so, the client, contractor, and all third parties are to agree on arrangements and to be made aware of any alterations to same.

4.3 Site Restrictions & Restrictions on Access

- **Site:**
The building and surrounding sites are currently occupied and will be occupied for the duration of the works. The Contractor/PSCS developed Construction Phase Health and Safety Plan should provide details on the following:
 - Site access and egress arrangements and how this is to be managed.
 - Site Security arrangements.
 - Site compound provision including location.

- **Restrictions on Noise, Vibration:**
While all construction works will involve the creation of a certain level of noise and vibration, it is not anticipated that an unduly level of noise or vibration shall occur during the completion of the works.

Works, however, that may create excessive noise / vibrations should be assessed and the Contractor / PSCS must ensure that they comply with requirements where applicable. Some works that create excessive noise and vibration may need to be carried out during off peak or out of works times so as to avoid any issues with the neighbouring building occupants who may be directly impacted by site works. The contractor shall take all necessary steps to abate these to avoid inconvenience to others.

- **Carparking Restrictions:**
Surface level carparking is available on site to the rear of the building. Confirmation will be required to determine if a portion of the available car parking can be used by construction personnel for the duration of the works. We understand that an external and internal logistic plan will be implemented for the duration of the project. Contractors should familiarise themselves with such plan on a regular basis.

The Contractor/PSCS developed Construction Phase Health and Safety Plan should outline specific carparking arrangements to be put in place for the duration of the works.

- **Skips & Delivery Restrictions:**
We understand that an external and internal logistic plan will be implemented for the duration of the project. Confirmation is required by site management to determine if waste removal and deliveries will occur via the rear of the building. The Contractor/PSCS developed Construction Phase Health and Safety Plan should detail how material deliveries are to be managed (i.e., unloading, storage etc.)

4.4 Other Work Activities Nearby

We are not aware of any other works/activities taking place in the nearby vicinity.

4.5 Existing Site Activities

n/a

4.6 Known Existing Services

The contractor/PSCS must satisfy themselves that all services on site have been identified, disconnected and diverted as required by the stage of the works.

4.7 Local Emergency Procedures

The Contractor/PSCS developed Construction Phase Health and Safety Plan is to include a section detailing specific emergency procedures to be adopted during normal working hours and when the site is closed. These procedures will include the contact names and telephone numbers of people or organisations that can deal with an emergency at any time, 24 hours a day, 7 days a week.

The Contractor/PSCS emergency procedures should address the requirements of the Fire Prevention on Construction Sites recommendations and the Joint Code of Practice on the Protection from Fire of Construction Sites and Buildings Undergoing Renovation.

The nearest Garda station to the site is:

34/35 Corrig Rd,
Dún Laoghaire,
Co. Dublin,
A96 N299
Tel : (01) 666 5000

The nearest hospital with accident and emergency facilities is:

St. Michael's Hospital
Lower George's St
Dun Laoghaire
Co. Dublin
A96 P902
Tel : (01) 663 9815

4.8 Local Security Arrangements

The contractor/PSCS is to ensure that the site is made secure at the end of every working day.

The Contractor/PSCS developed Construction Phase Health and Safety Plan should also detail security arrangements for the site.

4.9 Location of Welfare Facilities – Connections for Water, Electricity, Sewer

The Contractor/PSCS shall ensure that there are adequate welfare facilities in place on site to enable personnel to wash up after working. The exact location for these facilities is to be confirmed by the Contractor/PSCS prior to works commencing.

4.10 Any Particular Site Rules

The Contractor will be required to establish site rules as part of the developed Construction Phase Health and Safety Plan.

It shall be the responsibility of the Contractor/PSCS to ensure that all personnel receive site safety induction training prior to commencing works on this project. The Contractor/PSCS should develop their own site safety induction, incorporating the following proposed site safety rules.

Contractors / Sub-Contractors

- MUST provide a copy of their safety statement & method statement, to the PSCS, PRIOR to commencing works on site.
- MUST ensure that their employees have SAFE PASS / Construction Skills cards as required.
- MUST nominate, in writing to the PSCS, a Safety Officer.
- Where there will be 100 or more persons on site, the PSCS must nominate a full time Safety Advisor.
- MUST supply all the Personal Protective Equipment, to your own personnel, that they require to carry out their particular work safely.
- MUST ensure that ALL your personnel are capable of reading and understanding this Site Safety Induction. Where required sub-contractors must translate this Site Safety Induction such that all their personnel can comprehend this Site Safety Induction

Important Note:

The buildings sprinkler system will be isolated for the duration of the project. For that reason, the following precautions will be put in place for the duration of the project:

- No smoking on site.
- On going patrols by supervisors.
- Chubb specific hot works permits in place when needed.
- Heat detection in place covering the floor plates.

All personnel will be required to strictly adhere to the above site rules.

All Personnel

- You must have a SAFE PASS / Construction Skills Card for specified operations on site. These must be produced to the CONTRACTOR / PSCS before commencing work on site. (see appendix B).
- You are NOT PERMITTED to carry out any works on this Project, unless you have been specifically trained to carry out those works, i.e., you have been trained on your company Method Statement (relating to your works on site) and have signed-off on same.
- YOU MUST report any situation / operation / plant / equipment you think is dangerous on this project.
- Safety footwear, safety helmets, and high visibility vests MUST be worn at all times on site.
- Hearing protection must be worn when working with or near noisy machinery.
- Eye protection must be worn when cutting, drilling, and using air tools.
- Overalls, dust / fume masks, and heavy-duty gloves must be worn when working with / or near chemicals.
- No work on live roads is permitted unless adequate traffic management is in place; in particular the safety zones necessary to safely carry out the works.
- You are NOT permitted to install, alter or remove traffic management measures UNLESS you have the appropriate SOLAS ticket.
- Only personnel with SOLAS Construction Skills Cards (or recognised equivalent) are allowed to erect, modify, or dismantle scaffolding on site. UNAUTHORISED INTERFERENCE WITH SCAFFOLDING WILL RESULT IN IMMEDIATE DISMISSAL FROM SITE.
- Work is NOT PERMITTED at heights (where you may fall and injure yourself) unless adequate measures are in place to prevent falls, e.g., guardrails, work platforms, MEWP's, or safety harnesses are used.
- Safe access and egress MUST be maintained at all times, this means ensuring that rubbish and materials are kept clear of access routes at all times.
- ALL accidents must be immediately reported to the CONTRACTOR / PSCS.
- All tools on site must be 110v or less unless otherwise approved by the CONTRACTOR / PSCS.
- The CONTRACTOR / PSCS may stop work on site if it is deemed that work will pose a threat to the health and / or safety of persons on site, or third parties.
- Any person who puts their own health & safety at risk, wilfully endangers others by their actions or neglect, or engages in horseplay will be subject to disciplinary action, up to and including dismissal from site.
- Any enquiry from a member of the public must be referred to the CONTRACTOR / PSCS.
- Any person found to be under the influence of alcohol / intoxicants will be dismissed from site immediately.
- All personnel have a responsibility for their own safety and the safety of others. You must ensure that you work safely at all times whilst on site.

REMEMBER – THERE IS NO JOB SO URGENT THAT IT CANNOT BE DONE SAFELY.

5 INFORMATION ON THE PRESENCE OF PARTICULAR SAFETY RISKS TO SAFETY & HEALTH

This section details the Particular Risks the Project Supervisor for the Construction Stage will be required to manage.

The following is the non-exhaustive list of particular risks, as set out in Schedule 1 of the Safety, Health & Welfare at Work (Construction) Regulations 2013:

The minimum controls required demand a Safety System of Work.

	Description	YES	NO
1.	Work which puts persons at work at risk of:		
	Falls from height*	✓	
	Burial under earthfalls*		✓
	Engulfment in Swampland*		✓
	<i>* Where the risk is particularly aggravated by the work or processes used or by the environment at the place of work on site.</i>		
2.	Work which puts persons at work at risk from chemical or biological substances constituting a particular danger to the safety and health of such persons or involving a legal requirement for health monitoring.	✓	
3.	Work with ionizing radiation.		✓
4.	Work near high voltage power lines.		✓
5.	Work exposing persons at work to the risk of drowning.		✓
6.	Work on wells, underground earthworks and tunnels.		✓
7.	Work carried out by divers at work having a system of air supply.		✓
8.	Work carried out in a caisson with a compressed air atmosphere.		✓
9.	Work involving the use of explosives.		✓
10.	Work involving the assembly or dismantling of heavy prefabricated components	✓	
11.	Work near electrical wiring.	✓	
12.	Work involving the assembly or dismantling of heavy prefabricated components	✓	
13.	Works involving Power and Energy distribution installations	✓	
14.	Works involving demolition	✓	
15.	Works involving lifting of heavy equipment	✓	
16.	Works involving manual handling	✓	

The above list of particular risks is non-exhaustive and is based upon the information (including Designers Risk Assessments - see appendix E) provided by the Designers to the PSDP. This assessment does not take account of other risks which may be present during construction that could not be reasonably foreseen by the PSDP / Designers or which designers failed to notify the PSDP of, through their acts and / or omissions.

Carried out by: Shane Hynes

5.1 Evaluation of Identified Particular Risks

Falls from height:

There is a risk of workers/material/tools falling from a height during the completion of the works. The risks associated with this project does not require any unusual risk mitigation beyond the deployment of certified scaffolding with all required safety barriers and tagging in accordance with Safety Health and Welfare at Work (Work at Heights) Regulations 2006.

Live Electrical Services:

There is a risk of electrocution to works due to the works involving modification of electrical circuit and mechanical and electrical services.

Works involving lifting of heavy plant and equipment:

This risk occurs when lifting and installing of prefabricated components. Risks associated with the lifting and installing of mechanical service components should be considered for each and every installation situation. Collective protective measures should be applied in lieu of personal protective measures as far as is reasonably practicable.

Chemicals (including R42 & R49):

Working involving the use of substances or preparations, there is a risk of exposure to R42/49 which “may cause sensitization/cancer by inhalation”. These are a component of many coatings, sealants, and forms particularly of “two pack” coatings or urethanes. Substances classified as carcinogens include zinc chromate and certain classes of bituminous substances, which are used in caulking or sealant.

Demolition:

Work involving the demolition of materials and partitioning may expose operatives to risk of accidental collapse, impact injuries, materials that are hazardous to health.

5.2 Other Risks Arising from the Project Activities

Construction Work	Crushing injuries
Manual handling injuries	Electrocution
Working over/in public areas	Weil's disease
Noise	Burns
Dust	Neighbouring property
Dermatitis	Access and egress
Cuts and bruises	Site security
Inclement Weather	Building Occupants

6 RECOMMENDATIONS / SPECIFIC MEASURES FOR REDUCING PARTICULAR RISKS

The following outlines the possible arrangements that could be implemented for Controlling Significant Risks:

- Regular liaison between parties on site
- Consultation with the workforce
- The exchange of design information between the Client, PSDP, and Contractor on site
- The selection and control of Contractors
- The exchange of health and safety information
- Site security
- Site induction (See Appendix C)
- On-site training
- First aid
- The reporting and investigation of accidents and incidents including near misses
- The production and approval of risk assessments and written systems of work
- Site rules (including drug and alcohol policy)
- Fire and emergency procedures

7 IDENTIFICATION OF PARTICULAR DESIGN REQUIREMENTS

7.1 Anticipated Temporary Works

There are no temporary works anticipated as part of this project.

In the event that temporary works that are required e.g. in line with PSCS developed works methodologies, the following shall apply:

The Contractor/ PSCS should nominate a Permanent & Temporary Works Designer(s) co-ordinator for elements of the work for which the Contractor shall be responsible for the Temporary & Permanent Design including the impact of additional loadings on existing structures.

7.2 Anticipated Scaffolding Requiring Design

There is no scaffolding requiring design anticipated as part of this project.

The Contractor/PSCS is to ensure that all Scaffolding erected is in accordance with the current HSA code of practice for Access and Working scaffolds and will be erected by a specialist scaffolding subcontractor. A detailed site-specific safety statement and method statement is also to be provided.

7.3 Anticipated Structural Anchors

Examples of Safety Critical Situations which may occur.

	Types	Examples (reference from HSA CoP)	
1.	Tie systems	Scaffolding ties fixed to elevations may be considered Safety Critical Situations	

8 Relevant Preliminary Traffic Management Plan

It will be the responsibility of the Contractor/PSCS to determine and prepare a Traffic Management Plan if required to safely and effectively manage the traffic movements associated with the carrying out of the works.

9 THE SAFETY FILE

It will be the responsibility of the PSDP to produce the safety file for the project and hand it over to the client on completion of the project. To facilitate this, the PSCS must provide the relevant information for the Safety file as set out in the Regulations:

Information provided by the PSCS is sometimes referred to as the “Preliminary Safety File”. Other sources of information will be used in preparation of the Safety File, e.g., Designers

9.1 Contents of the Safety File

The following table provides indicative requirements for the safety file.

Contents	Required Y/N	To be provided by (e.g., PSCS, contractors, designers etc.)
General		
A brief description of the work carried out;	Yes	PSCS
Construction drawings, specifications and bills of quantities (where relevant), used and produced throughout the construction process	Yes	PSCS
As-constructed drawings	Yes	PSCS
The general design criteria/plans adopted	Yes	PSCS
Details of the location and nature of utilities and services, including emergency and fire-fighting systems	Yes	PSCS

The nature, location and markings of significant services, including underground cables, gas supply equipment, fire-fighting services etc	Yes	PSCS
Information and as-built drawings of the structure, it's plant and equipment (for example, the means of safe access to and from service voids, fire doors and compartmentalisation etc)	Yes	PSCS
Maintenance procedures and requirements for the structure	Yes	PSCS
Details of materials used	Yes	PSCS
Plant		
Details of services, plant and the project equipment, which comprise part of the structure	Yes	PSCS
Manuals, and where appropriate certificates, produced by specialist contractors and suppliers which outline operating and maintenance procedures and schedules for plant and equipment installed as part of the structure (typically lifts, electrical and mechanical installations, pressure vessels, control and instrumentation systems, window cleaning facilities)	Yes	PSCS
Information regarding the removal or dismantling of installed plant and equipment (for example any special arrangements for lifting, order or other special instructions for dismantling etc)	Yes	PSCS
Details of the equipment and maintenance facilities within the structure	Yes	PSCS
Details of fragile materials or unprotected edges and any incorporated facility to protect those working in close proximity, such as anchor points	Yes	PSCS
Health and safety information about equipment provided for cleaning or maintaining the structure	Yes	PSCS
Residual Risks		
Any residual hazards which remain and how they have been dealt with (for example surveys or other information concerning asbestos; contaminated land, water bearing strata, buried services etc)	Yes	PSCS
Hazardous materials used (for example lead paint, pesticides, special coatings which should not be burnt out etc)	Yes	PSCS

10 CONTINUING LIAISON

10.1 Procedures Required During the Construction Period

Procedures will be required for dealing with unforeseen eventualities during project execution resulting in substantial design change, which might affect the contract period and other resources, i.e., site meetings, etc.

The PSDP will require to be notified of any relevant changes or decisions that will affect Particular Risks during the time span of the project. Other relevant information would include changes to the time required for completion of the project or phases of the project.

Procedures will be required for gathering of information relevant to the Safety File by the Project Supervisor Construction Stage.

Procedures will be required to facilitate the coordination of the design of temporary works: -

The proposed procedure is as follows:

- At weekly meetings, or otherwise as appropriate, the PSCS will be required to identify any design functions contemplated by Contractor/s or required in connection with construction of the works and to identify the names, qualifications and competency with regard to Health and Safety requirements of the designers of such works to enable the PSDP to fulfil the co-ordination function. Signed design certificates must be submitted in advance of construction. It will be a matter for the employers of designers of temporary works to be satisfied as to the general competency of these designers and the design scope and criteria to be followed.

11 COMPLIANCE WITH GENERAL SAFETY REQUIREMENTS

The various Contractors shall comply with all relevant statutory requirements such as the Safety Health and Welfare at Work Act, 2005, The Safety Health and Welfare at Work (Construction) Regulations SI 291 of 2013, the Safety Health and Welfare at Work (General Application) Regulations SI 299 of 2007, any subsequent amendments of these regulations and any other relevant Legislation, Guidelines or Codes of Practice.

In addition, the Contractor shall comply with all the reasonable safety requirements of the Client, the Project Supervisor for the Design Process and the Project Supervisor for the Construction Stage.

12 FINAL COMMENT

The information contained in the preliminary sections of this document has been prepared prior to the commencement of work on site. It does not take account of any matters of information, which may come to light after that time.

Appendix A

NON-EXHAUSTIVE LIST OF MATTERS TO BE CONSIDERED IN PARTICULAR AS REGARDS THE APPLICATION OF THE GENERAL PRINCIPLES OF PREVENTION TO CONSTRUCTION WORK UNDER THE CONSTRUCTION REGULATIONS 2013

SCHEDULE 2 – CONSTRUCTION REGULATIONS 2013 (SI291)

1. Keeping the construction site in good order and in a satisfactory state of cleanliness.
2. Choosing the location of internal work areas bearing in mind how access to them is obtained and determining routes or areas for the passage and movement of equipment.
3. The conditions under which various materials are handled.
4. Technical maintenance, pre-commissioning checks and regular checks on installations and equipment with a view to correcting any faults which might affect the safety, health and welfare of persons at work.
5. The demarcation and laying out of areas for the storage of various materials, in particular where dangerous materials or substances are concerned.
6. The conditions under which dangerous materials used are removed.
7. The storage and disposal or removal of waste and debris.
8. The adaptation, based on progress made on the construction site, of the actual time to be allocated for the various types of work or work stages.
9. Co-operation between employers and self-employed persons.
10. Interaction with industrial activities at the place within which or in the vicinity of which the construction site is located.

Appendix B – Construction Skills Certification Scheme & Safety Awareness Training

All employees engaged in the following activities on site must hold a valid construction skills card, recognized by SOLAS & the HSA, or equivalent;

- a) Scaffolding – basic,
- b) Scaffolding – advanced,
- c) Mobile tower scaffold – where the employee has not been trained in basic or advanced scaffold,
- d) Tower crane operations,
- e) Self-erecting tower crane operation – where the employee has not been trained in tower crane operation,
- f) Slings/signalling,
- g) Telescopic handler operation,
- h) Tractor/dozer operation,
- i) Mobile crane operation,
- j) Crawler crane operation,
- k) Articulated dumper operation,
- l) Site dumper operation,
- m) 180° excavator operation,
- n) Mini digger operation – where the employee has not been trained in the operation of a 180° excavator digger,
- o) 360° excavator operation,
- p) Roof & wall cladding/ sheeting,
- q) Built up roof felting,
- r) Signing, lighting and guarding on roads,
- s) Locating underground services,
- t) Shot firing.

All persons working on site must hold evidence of completing a safety awareness training course, Safe Pass or other recognized course.

Appendix C – Site Induction

All new workers starting work on this project must undergo safety induction. This is to ensure their safety and the safety of others while at work.

The following points outline the safety requirements that all contractors require to meet.

Failure to comply with these safety rules will result in removal from the work area.

All Personnel

- 1) Must have a Safe Pass card to work on this contract.
- 2) You must have a Construction Skills Card for specified operations on site-such as scaffolding and operation of plant. Copies of these must be given to main contractor PSCS Safety Representative for containment in the Safety File.
- 3) You are not permitted to carry out any works on this contract if you are not suitably trained.
- 4) You must report any situation / operation / plant / equipment you think is dangerous to PSCS Safety Representative.
- 5) Appropriate PPE such as safety footwear, hard-hat and hi visibility vests must be worn at all times on site. Hearing protection must be worn when working with or working with or near any noisy machinery and eye protection must be worn when carrying out any cutting, drilling, and using pneumatic tooling (nail guns etc.).
- 6) Work is not permitted at a height unless suitable fall prevention or protection measures are in place.
- 7) It is everyone's intention to operate a clean site at all times. Therefore, a '**Clean-As-You-Go**' policy will be in place and is to be adhered to by all personnel on-site at all times. All waste receptacles (e.g., skips or bins) are to be used safely and no hazardous waste to be placed in ordinary waste receptacles. Skips will be provided by the main contractor – Please contact the foreman if you need a skip replaced or emptied. Skips and bins are to be placed in designated areas and areas around receptacles to be kept tidy at all times.
- 8) Safe access and egress must be maintained at all times. All personnel on-site are to ensure that all waste materials are to be kept separate from work areas and out of the way of access routes at all times.
- 9) All accidents must be reported to the main contractor PSCS Safety Representative as soon as possible after the accident.
- 10) All ladders must be tied or footed whilst in use and to be used safely by the user at all times.

- 11) All tools on site must be 110v or less, unless otherwise approved by main contractor.
PAT testing is required on all portable tools.
- 12) The PSCS Safety Representative reserves the right to stop work if it is deemed that work will pose a threat to health and safety of persons on site or third parties.
- 13) All personnel have a responsibility for their own safety and the safety of others. All work personnel working on the project must conduct yourselves accordingly at all times.
- 14) Any persons who engage in horseplay or wilfully endanger others by their actions or neglect will be subject to disciplinary action.
- 15) Any enquiry from a member of the public must be referred to the main contractor.
- 16) Any person found to be under the influence of alcohol or non-prescription drugs shall be removed from site immediately and disciplinary action taken.
- 17) First-aid is available in the site office-located in the site compound. All personnel on-site are to ensure they make themselves with the location of the First-Aid station.
- 18) Canteen / washing facilities and toilets are available – It is the duty of all personnel who use these facilities to keep them clean for safe use of all.
- 19) Mobile phones are not permitted to be used while operating machinery on site.
- 20) All personnel to be made aware of on-site emergency procedures and to make themselves familiar with the location of site Assembly Point(s).

Appendix D - AF1 Form / HSA Notification

To be completed upon appointment of the Contractor.

Appendix E – Designers Risk Assessments

The below construction risks have been identified by the design team.

Contact

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Title	Design Risk Assessment for the works outlined above.		
Revision no:	-	Client	Tuath Housing Association
Project Name	Outlined Above	Site Address	Outlined Above
Start Date	TBC	Duration	TBC

Description and location of tasks

This document will cover the carrying out of internal and external works.
Works involve: See box below.

Method of Work (Step-by-step description of how the work is to be carried out):

Details:

General Description of Project and Work Activities: The Scope of Works encompasses Fire Regulation Compliance and Repair Works. The Contractor will provide the required Confirmations of compliance in every respect with the required standards.

- All description of works to be established following site visit and audit by main contractor / PSCS and laid out in all contractors RAMS (Risk Assessments Method Statements).
- All safety documents to be reviewed by PSDP and client before works commence, so as to ensure all planned works and safety control measures to be out in place are agreed upon by all parties before works commence.

This document will remain live throughout the project works, and any other Arrangements or alteration to existing site set up works will be added to it.

All works to be carried out in accordance with the following legislation / Codes of Practice:

- The Safety Health and Welfare at Work Act 2005
- The Safety Health and Welfare at Work (General Application) Regulations 2007 The Safety Health and Welfare at Work (Construction) Regulations 2013
- The Safety Health and Welfare at Work (Carcinogens) Regulations 2001
- The Safety Health and Welfare at Work (Chemical Agents) Regulations 2001 &
- HSA Publication Code of Practice for The Chemical Agents Regulations 2018.
- The Safety Health and Welfare at Work (Biological Agents) Regulations 1994
- HSA publication 'A Guide to Safety in Excavations', 2007.
- HSA publication 'Code of Practice for Avoiding Danger from Underground Services', 2016.
- HSA Publication, 'Code of Practice for Working in Confined Spaces', 2010.
- HSA Publication, 'Code of Practice for Access and Working Scaffolds', 2019.
- HSA publication 'Code of Practice for Safety in Roof work', 2016. European Communities (Protection of Workers) (Exposure to Lead) Regulations 1988
- European Communities (Classification, Packaging and Labelling of Dangerous Preparations) Regulations 2004
- Building Control Act 2007
- Building Control Regulations 1997
- The Public Health (Tobacco) Acts 2002 & 2004 Factories Act 1955
- Safety in Industry Act 1980
- Safety in Roof Work –2005 EU Machinery Directive 98/37/EC
- EU Energy Performance of Buildings Directive 2002/91/EC

DEMOLITION WORKS

Task: All Operations including tools and equipment:

Demolition Works (Possible collapse of structure / falling debris and loose materials) / (Possible access to flammable liquids, gases or vapours) / (Possible cutting of reinforced or pre stressed iron/steel work and concrete) / (Possible collapse of structure / falling debris and loose materials).

PERSONS AT RISK

Employees	X	Sub-Contractors	X	General Public	
Contractors	X	Official Visitors	X	Plant Operators	X

HAZARDS

Risk Rating

Without Controls

With Controls

Material Fall from Height	High	Low
Dust/Crush Injuries	High	Low
Flooding/Fire Hazards	High	Low

TRAINING

Company Induction	X	Manual Handling	X	Work Area Induction	X	Toolbox Talks	X	Safe/Pass / CSCS Skills Card	X	Other	
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CONTROL MEASURES

1. Work will be assessed before commencement, and hazards associated with all demolition works, identified where possible collective measures of prevention of injury will be used. Where not feasible, safe systems of work will be implemented.
2. Visual warnings of all demolition work to be displayed at all times and all personnel working on-site to be informed of demolition works and location of isolated zones on a daily basis as part of daily on-site induction procedures. Where required, signs and barriers will be erected directly below works to warn of overhead operations.
3. Only competent, trained and experienced persons to carry out work. Use approved and certified machinery and equipment only.
4. A construction site-plan is to be made available detailing areas where pipes or vessels exist
5. Safe means of access and egress will be provided to the area of work for third parties at risk. Demolition areas to be isolated
6. Adequate provision to be made for existing pipes / vessels and isolation before commencing any demolition works.
7. Use approved and certified equipment and machinery only for all demolition works, ensuring equipment has been fully tested for use in last three months.
8. Only competent, trained and experienced persons to carry out work (CSCS card holders) and use demolition equipment, e.g. cutting tools.
9. All power tools to be visually checked daily by operatives prior to use. Daily visual checks to be carried out on all machinery and equipment, and defective tools to be removed or replaced if deemed hazardous.
10. PPE to be worn whilst carrying out any cutting work (boots/ gloves/ protective goggles/ hard hat/dust masks). All personnel on-site to remain at a safe distance from works. Adequate provision is to be made on-site for working of saws, cutting tools etc. and area of usage to be kept clear.
11. On-site ground conditions / traffic routes to be level and maintained. PPE to be worn (boots/ gloves/ protective goggles/ hard hat/dust masks). Precautions to be taken to suppress dust generated throughout the process of demolition, (e.g. water sprays or isolation of area).

PERSONAL PROTECTIVE EQUIPMENT

PPE				Permits		References
Safety Helmet	X	Gloves	X	Hot Works		
Safety Boots	X	Safety Harness	X	LOTO		
Hi-Vis Vest	X	Ear Defenders	X	Confined Space		
Safety Glasses	X	Ear Plugs		Other		
Goggles/Visor	X	Fall Arrest Lifeline	X	Tripod Winch		
Respiratory		Dust Masks				
Protection		Respirator				

EXCAVATION WORKS

Task: All Operations including tools and equipment:

Excavation Works (Possible collapse of structure / falling debris and loose materials) / (Possible access to flammable liquids, gases or vapours) / (Possible cutting of reinforced or pre stressed iron/steel work and concrete) / (Possible collapse of structure / falling debris and loose materials).

PERSONS AT RISK

Employees	X	Sub-Contractors	X	General Public	X
Contractors	X	Official Visitors	X	Plant Operators	X

HAZARDS

Risk Rating

Without Controls

With Controls

Material Fall from Height	High	Low
Dust/Crush Injuries	High	Low
Flooding/Fire Hazards	High	Low

TRAINING

Company Induction	X	Manual Handling	X	Work Area Induction	X	Toolbox Talks	X	Safe/Pass / CSCS Skills Card	X	Other	
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CONTROL MEASURES

1. Work will be assessed before commencement, and hazards associated with all excavation works, identified where possible collective measures of prevention of injury will be used. Where not feasible, safe systems of work will be implemented. Only trained and experienced persons to carry out work. Only trained personnel to use machinery and equipment (CSCS machinery Operation Training).
2. Visual warnings of all excavation work to be displayed at all times and all personnel working on-site to be informed of excavation works and location of isolated zones on a daily basis as part of daily on-site induction procedures. Where required, signs and barriers will be erected warning of vehicular movement. Employees and third parties to ensure they stand well clear of ground works machinery.
3. Only competent, trained and experienced persons to carry out work. Use approved and certified machinery and equipment only.
4. A construction site-plan is to be made available detailing areas where pipes or vessels exist.
5. Safe means of access and egress will be provided to the area of work for third parties at risk. Regular and constant house-keeping to take place so as to ensure any unforeseeable slip, trip or fall hazards are kept at a minimum.
6. Adequate provision to be made for existing pipes / vessels and isolation before commencing any demolition works.
7. Use approved and certified equipment and machinery only for all excavation works, ensuring equipment has been fully tested for use in last three months.
8. Only competent, trained and experienced persons to carry out work (CSCS card holders) and use excavation equipment, e.g. cutting tools.
9. All power tools to be visually checked daily by operatives prior to use. Daily visual checks to be carried out on all machinery and equipment, and defective tools to be removed or replaced if deemed hazardous.
10. PPE to be worn whilst carrying out excavation works (boots/ gloves/ protective goggles/ hard hat/dust masks). All personnel on-site to remain at a safe distance from works. Adequate provision is to be made on-site for working of all excavation equipment and area of usage to be kept clear.
11. On-site ground conditions / traffic routes to be level and maintained. PPE to be worn (boots/ gloves/ protective goggles/ hard hat/dust masks).
12. Heavyweights are to be moved by use of mechanised lifting where possible. Employees to seek assistance when material deemed too heavy.
13. Risk Of flooding in area to be noted and contractor to ensure precautions are implemented and that the contractor also gives attention to extreme weather alerts and accounts for local flood warning strategy

PERSONAL PROTECTIVE EQUIPMENT

PPE				Permits		References
Safety Helmet	X	Gloves	X	Hot Works		
Safety Boots	X	Safety Harness	X	LOTO		
Hi-Vis Vest	X	Ear Defenders		Confined Space		
Safety Glasses		Ear Plugs		Other		
Goggles/Visor		Fall Arrest Lifeline	X	Tripod Winch		
Respiratory		Dust Masks				
Protection		Respirator				

WORK AT HEIGHT

Task: Operations including tools and equipment:

Any works in any place including at or below ground level and / or obtaining access to a place of work where an employee could fall a distance liable to cause injury. Includes work at or below ground level – roofs, open edges, opens, risers, shafts, excavations, false floors.

PERSONS AT RISK

Employees	X	Sub-Contractors	X	General Public	X
Contractors	X	Official Visitors	X	Plant Operators	X

HAZARDS

	Risk Rating	
	Without Controls	With Controls
Persons falling from height	High	Low
Materials falling from height	High	Low
Failure of access equipment	High	Low

TRAINING

Company Induction	X	Manual Handling	X	Work Area Induction	X	Toolbox Talks	X	Safe/Pass / CSCS Skills Card	X	Other	
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CONTROL MEASURES

1. Work will be assessed before commencement, and hazards associated with work at height, identified – where possible collective measures of fall prevention will be used. Where not feasible, safe systems of work will be implemented.
2. Avoid work at height- design; carry out work from the ground.
3. Reduce work at heights- design; carry out work from the ground.
4. Safe means of access and egress will be provided to the area of work.
5. Minimise distance of fall. Design, e.g. fall arrest winch and recovery harness.
6. Use approved and certified equipment only.
7. Choose a work platform that is reasonably practical to carry out the work. For work equipment adopt a hierarchy of selection as is reasonably practicable to do so:
 - Crane Usage
 - System Scaffold (see Scaffold RA)
 - MEWP (see MEWP RA)
 - Aluminium/Mobile Scaffold (see Aluminium/Mobile Tower RA) o Ladder (see Ladder RA)
8. Where required, signs and barriers will be erected directly below works to warn of overhead operations.
9. Edge protection will be provided at all openings or edges, where a fall is possible.
10. Where edge protection is not practicable an alternative means of fall prevention / fall arrest will be identified.
11. Where there is likely to be debris falling, fans, chutes or full enclosures will be used to protect 3rd parties.
12. All operatives/subcontractors/visitors, etc. to wear a safety helmet whilst on-site.
13. All equipment used will be checked to ensure it is in good working order, to correct specification and in date for inspection.
14. All inspections to be recorded (GA3 form to filled out by competent trained person) and kept in the safety file.
15. Work will be monitored to ensure that additional precautions and equipment is taken into use if edge protection is removed.
16. All work at heights is to be supervised and carried out by a competent person.
17. Ensure emergency procedures are implemented, communicated and adequate resources for rescue training and equipment are allocated.

PERSONAL PROTECTIVE EQUIPMENT

PPE				Permits		References
Safety Helmet	X	Gloves	X	Hot Works	X	
Safety Boots	X	Safety Harness	X	LOTO		
Hi-Vis Vest	X	Ear Defenders	X	Confined Space	X	
Safety Glasses	X	Ear Plugs	X	Other		
Goggles/Visor	X	Fall Arrest Lifeline	X	Tripod Winch		
Respiratory		Dust Masks				
Protection		Respirator				

MANUAL HANDLING

Task: All Operations including tools and equipment:

All persons involved in transporting or supporting of a load by 1 or more employees and include lifting, putting down, pulling, pushing, carrying or moving a load, which, by reason of its characteristics or of unfavourable ergonomic conditions, involves risks, particularly of back injuries to employees.

PERSONS AT RISK

Employees	X	Sub-Contractors	X	General Public	X
Contractors	X	Official Visitors	X	Plant Operators	X
HAZARDS				Risk Rating	
				Without Controls	With Controls
Back Injury- Ligament strains, muscle strains, Fatigue, Abdominal hernia, Prolapsed/herniated discs, Paralysis				High	Low
Hand- trap/ Cut injuries				High	Low

TRAINING

TRAINING											
Company Induction	X	Manual Handling	X	Work Area Induction	X	Toolbox Talks	X	Safe/Pass / CSCS Skills Card		Other	

CONTROL MEASURES

1. Avoid Manual Handling- design out where possible.
2. Substitute heavy loads for lighter loads.
3. Use of certified mechanical lifting equipment and mechanical aids by competent personnel e.g. Cranes, telescopic handlers, winches barrows etc.
4. Supply special mechanical aids for handling specific items e.g. For manhole covers (keys), Tripods for lifting, Pumps and Pulley Blocks etc.
5. Administrative controls- Risk Assessments, SOPs, Method Statements.
6. All employees will be receiving full training and instruction provided at induction and refresher safety training as required.
7. Where relevant evidence of previous manual handling training to be supplied by new employees at induction.
8. Principles of Safe Lifting
 - a. Access the load.
 - b. Broad stable base (foot placement).
 - c. Bend the knees.
 - d. Keep the back straight. Though not necessarily vertical.
 - e. Take a firm grip.
 - f. Keeping the arms in line with the trunk.
 - g. Lift with the legs and keep the weight close to the centre of gravity.
 - h. Turn the feet in the direction of the movement.

PERSONAL PROTECTIVE EQUIPMENT

PPE				Permits		References
Safety Helmet	X	Gloves	X	Hot Works		
Safety Boots	X	Safety Harness		LOTO		
Hi-Vis Vest	X	Ear Defenders		Confined Space		
Safety Glasses		Ear Plugs		Other		
Goggles/Visor		Fall Arrest Lifeline		Tripod Winch		
Respiratory		Dust Masks				
Protection		Respirator				

ACCESS AND EGRESS / SITE SECURITY

Task: Operations including machinery, tools and equipment:
All site locations, including all types of work activities within the working environment.

PERSONS AT RISK

Employees	X	Sub-Contractors	X	General Public	
Contractors	X	Official Visitors	X	Plant Operators	X
HAZARDS				Risk Rating	
				Without Controls	With Controls
Vehicle Movement				High	Low
Collisions				High	Low
Slips, Trips and Falls				High	Low

TRAINING

Company Induction	X	Manual Handling	X	Work Area Induction	X	Toolbox Talks	X	Safe/Pass / CSCS Skills Card	X	Other	
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CONTROL MEASURES

1. Provide clearly marked and safe routes for pedestrians within the work area.
2. Inform all workers before as part of site induction process they commence any works of site arrangements.
3. Provide separate pedestrian and vehicle access where possible and ensure protection of the general public at all times that all workers carry out movements on-site and in immediate areas off-site with ultimate regard for the public and fellow workers etc.
4. All lifting operations and vehicular movements are to be well planned and the avoidance of lifting materials over others is to be avoided where possible. Exclusion zones to be set-up and adhered to at all times by personnel working on-site.
5. Emergency routes to be kept clear at all times to ensure safe access by site personnel.
6. Visual warnings of all works to be displayed at all times and all personnel working on-site to be informed of works and location of isolated zones on a daily basis as part of daily on-site induction procedures. Where required, signs and barriers will be erected warning of vehicular movement. Employees and third parties to ensure they stand well clear of all machinery and equipment.
7. Lighting for all site areas to be established and maintained for adequate night-time protection as required. All lighting arrangements to be adhered to at all times by all personnel on-site.
8. Ensure clear access at all times for emergency services.
9. Prohibit unauthorised persons and members of the public from entering the work location.
10. Erection of robust hoarding and fencing and warning signs to be implemented and same to be checked daily as part of housekeeping procedures.
11. All walkway areas for on-site workers to move around site are to be kept clear at all times and housekeeping procedures to include regular checks of same to ensure safe passage of personnel on-site at all times.
12. Site security to be maintained as a priority at all times whilst works are being carried out and the site is closed and secured.
13. All operatives/subcontractors/visitors, etc. to wear a safety helmet whilst on-site.
14. On-site ground conditions / traffic routes to be level and maintained. PPE to be worn (boots/ gloves/ protective goggles/ hard hat/dust masks). All personnel on-site to ensure they can be seen clearly by drivers and controllers of vehicles.

PERSONAL PROTECTIVE EQUIPMENT

PPE				Permits	References
Safety Helmet	X	Gloves	X	Hot Works	
Safety Boots	X	Safety Harness	X	LOTO	
Hi-Vis Vest	X	Ear Defenders		Confined Space	
Safety Glasses		Ear Plugs		Other	
Goggles/Visor		Fall Arrest Lifeline	X	Tripod Winch	
Respiratory		Dust Masks			
Protection		Respirator			

FALLING OBJECTS

Task: Operations including tools and equipment:

Persons working overhead, materials stored overhead, materials being lifted, working near false ceilings or voids for all locations.

PERSONS AT RISK

Employees	X	Sub-Contractors	X	General Public	
Contractors	X	Official Visitors	X	Plant Operators	
HAZARDS				Risk Rating	
				Without Controls	With Controls
Injuries- Impact, crush, collision, cuts, concussion.				High	Low
Death				High	Low
Damage to plant, equipment.				High	Low

TRAINING

Company Induction	X	Manual Handling	X	Work Area Induction	X	Toolbox Talks	X	Safe/Pass / CSCS Skills Card	X	Other	
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CONTROL MEASURES

1. Safety helmets, boots, hi-vis vest to be worn at all times. Ensure no entry of unauthorised persons to work areas.
2. All lifting operations and vehicular movements are to be well planned and the avoidance of lifting materials over others are to be avoided where possible. Exclusion zones to be set-up and adhered to at all times by personnel.
3. Tag lines to be used for hand tools used if applicable- working above false ceilings and voids.
4. Guardrail systems with toe boards are required where there is a risk of falling materials.
5. Tools to be lifted by rope to areas at height and materials to be secured from winds and being blown away.
6. Suitable and adequate storage facilities for materials- shelves, brackets, cages, doors, signage, clear access and egress.
7. Secure all materials being transported with ratchet straps, ropes and other equivalent.
8. Only approved and tested equipment to be used. Inspect test certificates before commencement of work.
9. Ensure safe working load (SWL) is clearly marked.
10. Ensure a safe system of work is in place. Controlled lifting exclusion zones, barriers, signage, banksman, (where required). Lifting equipment inspected before use and any defects reported immediately to the site foreperson.
11. Ensure employees are trained in proper lifting procedures and Lifting work to be supervised at all times by a competent person. Lifting equipment inspected before use and any defects reported immediately to the site foreperson.
12. Regular service to be carried out on lifting equipment and records kept in the site safety file.

PERSONAL PROTECTIVE EQUIPMENT

PPE				Permits		References
Safety Helmet	X	Gloves	X	Hot Works		
Safety Boots	X	Safety Harness	X	LOTO		
Hi-Vis Vest	X	Ear Defenders		Confined Space		
Safety Glasses	X	Ear Plugs		Other		
Goggles/Visor		Fall Arrest Lifeline		Tripod Winch		
Respiratory		Dust Masks				
Protection		Respirator				

FIRE / HOT WORKS

Task: Operations including tools and equipment:

To prevent or reduce risks resulting from works carried out that may result in fire.

PERSONS AT RISK

Employees	X	Sub-Contractors	X	General Public	
Contractors	X	Official Visitors	X	Plant Operators	X

HAZARDS

	Risk Rating	
	Without Controls	With Controls
Burns	Medium	Low
Inhalation of hazardous substances	Medium	Low
Fire/explosion	Medium	Low
Cuts to hand	Medium	Low

TRAINING

Company Induction	X	Manual Handling	X	Work Area Induction	X	Toolbox Talks	X	Safe/Pass / CSCS Skills Card		Other	X
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CONTROL MEASURES

- Where Hot Works cannot be avoided as in this case, a Hot Works Permit issued by the main contractor.
- Control measures, including the provision of suitable extinguishers, are to be adhered to at all times during the works.
- Fire extinguishers to be maintained in work locations at all times.
- Hot works is only to be carried out by competent persons.
- Before work commences, the area of work will be clearly identified and all non-essential flammable and combustible materials and substances will be removed before Hot Works commence.
- Suitable heat resistant gloves, full face visors and all other PPE are to be worn whilst carrying out Hot Works.
- Suitable cut resistant gloves are to be worn at all times whilst carrying out Hot Works to reduce the risk of injuries.
- Use of hazardous materials to be avoided as far as reasonably practicable.
- Where use cannot be avoided, chemical assessments will be carried out on the products used.
- Operatives to be briefed on products being used and controls from chemical assessment.
- Control measures, including PPE and ventilations systems, identified in chemical assessment are to be adhered to at all times. Procedure detailed in contractor's method statements to be followed by all operatives. At the planning stage the PSCS shall make arrangements for the exposure to hazardous substances to be limited to as low a level as is reasonably practicable.
- Main Contractor fire procedures as instructed at induction stage to be followed at all times.
- Main Contractor site manager to be informed once Hot Works have been completed.
- Supervisor will complete a thorough fire-check of the area once complete and at 30min and 60mins after completion.

PERSONAL PROTECTIVE EQUIPMENT

PPE				Permits		References
Safety Helmet	X	Gloves		Hot Works	X	
Safety Boots	X	Safety Harness		LOTO		
Hi-Vis Vest	X	Ear Defenders		Confined Space	X	
Safety Glasses	X	Ear Plugs		Other	X	
Goggles/Visor	X	Fall Arrest Lifeline		Tripod Winch		
Respiratory		Dust Masks	X			
Protection		Respirator	X			

DUST

Task: Operations including tools and equipment:

All locations. e.g. Demolition works, general site housekeeping (Sweeping), Welding, Wall & Floor Chasing, Cutting wood etc.

PERSONS AT RISK

Employees	X	Sub-Contractors	X	General Public	X
Contractors	X	Official Visitors	X	Plant Operators	X

HAZARDS

	Risk Rating	
	Without Controls	With Controls
Inhalation of contaminants	High	Low
Ingestion of contaminants	High	Low
Asphyxia	High	Low
Respiratory problems, coughing, breathlessness and possibly	High	Low
Occupational Asthma, Silicosis.	High	Low
Irritation of eyes, ears or throat	High	Low

TRAINING

Company Induction	X	Manual Handling	X	Work Area Induction	X	Toolbox Talks	X	Safe/Pass / CSCS Skills Card		Other	
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CONTROL MEASURES

1. Work to be assessed to determine all work activities that may generate dust.
2. Provide suitable respiratory equipment where exposure to dust cannot be sufficiently reduced.
3. Provide information, instruction and training for employees on the risks to health and precautions to be taken regarding any work with substances hazardous to health.
4. Offer health surveillance to employees, where a hazard has been identified.
5. Once those hazards have been identified individual contractor Method Statements to ensure they address and put control measures into place, to remove or reduce those hazards so far as is reasonably practicable.
6. Minimise all dust generation during operations.
7. Damp areas down to reduce dispersion of dust in work areas.
8. Dust emissions to be minimised and / or contained within boundaries of the work area, e.g. dampening work before or during cutting.
9. Wind-blown dust to be reduced by dampening down the surface.
10. Where possible, all internal dust should be removed after the work has been completed and disposed of correctly.
11. Asbestos removal report and Safety Data Sheets to be checked for those materials producing dust. Hazardous / Toxic material identified and assessment to be made as to appropriate control measures.
12. Prohibition of eating and smoking to be enforced in dusty atmospheres, especially where toxins may be present.
13. Adequate means of monitoring/measuring harmful dust to be provided and maximum exposure limited (MEL'S) to be checked where required.

Control Systems:

Wet methods:

Use wet systems on saws powered by combustion engines or compressed air by spraying water onto the rotating cutting disc to reduce dust emissions.

PERSONAL PROTECTIVE EQUIPMENT

PPE				Permits		References
Safety Helmet	X	Gloves	X	Hot Works		
Safety Boots	X	Safety Harness		LOTO		
Hi-Vis Vest	X	Ear Defenders		Confined Space		
Safety Glasses	X	Ear Plugs		Other		
Goggles/Visor		Fall Arrest Lifeline		Tripod Winch		
Respiratory		Dust Masks	X			
Protection		Respirator	X			

SLIPS, TRIPS AND FALLS

Task: Operations including tools and equipment:
To prevent or reduce risks resulting in injury from works carried out.

PERSONS AT RISK

Employees	X	Sub-Contractors	X	General Public	X
Contractors	X	Official Visitors	X	Plant Operators	X
HAZARDS				Risk Rating	
				Without Controls	With Controls
Slips, Trips and Falls				High	Low
Bad Housekeeping procedures.				High	Low
Head and body injuries.				High	Low

TRAINING

Company Induction	X	Manual Handling	X	Work Area Induction	X	Toolbox Talks	X	Safe/Pass / CSCS Skills Card		Other	X
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CONTROL MEASURES

1. A construction site-plan is to be made available detailing areas where pipes or vessels exist.
2. Safe means of access and egress will be provided to the area of work for third parties at risk. Regular and constant house-keeping to take place so as to ensure any unforeseeable slip, trip or fall hazards are kept at a minimum. Regular Housekeeping of work areas to be adhered to at all times by all site personnel.
3. Any slip, trip and fall hazards that may arise whilst carrying out works are to be removed safely and immediately so as to avoid the occurrence of an incident.
4. Safety of all on-site staff to be ensured by employees at all times.
5. Precautions to be taken when accessing and exiting the site and work areas if there is noticeable change of level in the working areas.
6. Safety of all on-site staff to be ensured by employees at all times. Be vigilant to all working areas where to be well sign-posted so as to ensure maximum public safety.
7. Keep all cordoned off work areas clean and tidy and ensure regular house-keeping of work areas.
8. All employees to be trained in Manual Handling and to ensure work areas are kept free from slip, trip or fall hazards as is reasonably practicable.
9. Extra vigilance to be observed where there are changes in level sand where mats and rugs placed also where there are slippery surfaces, damaged floors, trailing cables and or hoses.
10. On-site ground conditions / traffic routes to be level and maintained. PPE to be worn (boots/ gloves/ protective goggles/ hard hat/dust masks).

PERSONAL PROTECTIVE EQUIPMENT

PPE				Permits		References
Safety Helmet	X	Gloves	X	Hot Works		
Safety Boots	X	Safety Harness		LOTO		
Hi-Vis Vest	X	Ear Defenders		Confined Space		
Safety Glasses		Ear Plugs		Other		
Goggles/Visor	X	Fall Arrest Lifeline		Tripod Winch		
Respiratory		Dust Masks				
Protection		Respirator				

HOUSEKEEPING

Task: Operations including tools and equipment:
To prevent or reduce risks resulting from works that may result in injury.

PERSONS AT RISK

Employees	X	Sub-Contractors	X	General Public	X
Contractors	X	Official Visitors	X	Plant Operators	X
HAZARDS				Risk Rating	
				Without Controls	With Controls
Slips, Trips and Falls				Medium	Low
Manual handling Injuries				Medium	Low
Cuts, abrasions, nicks, cuts to hands				High	Low

TRAINING

Company Induction	X	Manual Handling	X	Work Area Induction	X	Toolbox Talks	X	Safe/Pass / CSCS Skills Card		Other	X
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CONTROL MEASURES

- Contractor to ensure that a 'Clean as You Go' in place at all times.
- All work personnel to ensure their work area is kept tidy at all times.
- Leads and cables to be kept in such a manner as to avoid becoming, slip, trip or fall hazard.
- All walkway areas and work areas to be kept clean and free from materials or debris to ensure safe access and egress to work areas.
- All welfare facilities (canteen / toilets) to be regularly cleaned and any skip or waste receptacles to be regularly emptied, so as to minimise the risk of vermin in areas.
- Suitable cut resistant gloves are to be worn at all times whilst carrying out any housekeeping work to reduce the risk of injuries.
- On-site ground conditions / traffic routes to be level and maintained. PPE to be worn (boots/ gloves/ protective goggles/ hard hat/dust masks).

PERSONAL PROTECTIVE EQUIPMENT

PPE				Permits		References
Safety Helmet	X	Gloves	X	Hot Works		
Safety Boots	X	Safety Harness		LOTO		
Hi-Vis Vest	X	Ear Defenders		Confined Space		
Safety Glasses		Ear Plugs		Other		
Goggles/Visor	X	Fall Arrest Lifeline		Tripod Winch		
Respiratory		Dust Masks	X			
Protection		Respirator				

ELECTRICITY

Task: Electrical operations as part of the project

To prevent or reduce risks resulting from works carried out that may result in electrocution etc.

PERSONS AT RISK

Employees	X	Sub-Contractors	X	General Public	X
Contractors	X	Official Visitors	X	Plant Operators	X
HAZARDS				Risk Rating	
				Without Controls	With Controls
Electrocution				High	Low
Burns				High	Low
Fire/explosion				High	Low

TRAINING

Company Induction		Manual Handling		Work Area Induction		Toolbox Talks		Safe/Pass / CSCS Skills Card		Other	
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CONTROL MEASURES

- All electrical equipment used outdoors must be powered using a 110v AC supply.
If using a step-down transformer then the transformer must be positioned as close as possible to the 220v power supply.
- Trailing cables to be avoided and regular housekeeping of work area to take place throughout works.
Areas where electrical works take place to be cordoned off for the duration of the works.
- Employees carrying out testing to ensure all on-site personnel are clear from cable and both ends of cable identified.
- All company electrical equipment to be purchased from and fitted by competent electrical suppliers and fitters.
- All electrics should be deemed to be "LIVE" unless stated by a suitably qualified electrician who issues an isolation certificate.
- Any damaged or broken electrical equipment to be removed from work areas immediately and to be repaired or replaced.
- Portable equipment must be connected by means of a socket outlet suitable for the environment in which it is used.
- All electrical fittings must be rated for the environment in which they are to be used, and consideration must be given to exposure of the equipment to wet conditions, extremes of temperature, potentially flammable atmospheres, etc.
- Any electrical works, including repair of electrical equipment to be carried out by competently trained and registered personnel only.
- All electrical equipment must be fitted with appropriately rated residual current devices.
- Repair of electrical equipment to be carried out by competently trained and registered personnel only.
- Portable equipment must be connected by means of a socket outlet suitable for the environment in which it is used.
- As-built drawings to be obtained from client before any works proceed so as to identify existing electrical services.
- Locating devices to be used whilst works carried out.
- Ensure all utility services are notified with before any works take place if shutdown of systems required. All details of alterations to utility services to be recorded and client to given details of same.
- Precautions to be taken for all over-head powerlines on-site and in surrounding areas of site that may effect the works taking place on the site. Main Contractor to make arrangements to isolate work from powerlines and live services by contacting relevant electrical supplier, ESB Networks.

PERSONAL PROTECTIVE EQUIPMENT

PPE				Permits		References
Safety Helmet	X	Gloves	X	Hot Works		
Safety Boots	X	Safety Harness		LOTO	X	
Hi-Vis Vest	X	Ear Defenders		Confined Space		
Safety Glasses		Ear Plugs		Other		
Goggles/Visor	X	Fall Arrest Lifeline		Tripod Winch		
Respiratory		Dust Masks	X			
Protection		Respirator	X			

NOISE

Task: Operations including tools and equipment:

To prevent or reduce risks resulting from works carried out that may result in injury due to excessive noise.

PERSONS AT RISK

Employees	X	Sub-Contractors	X	General Public	X
Contractors	X	Official Visitors	X	Plant Operators	X
HAZARDS				Risk Rating	
				Without Controls	With Controls
Exposure to excessive noise				High	Low
Injury / lack of concentration				High	Low
Noise Induced hearing loss				High	Low

TRAINING

Company Induction	X	Manual Handling	X	Work Area Induction	X	Toolbox Talks	X	Safe/Pass / CSCS Skills Card	X	Other	
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CONTROL MEASURES

1. If noise levels deemed to be higher than legal limits, then employees exposed to levels are to ensure they do not use equipment without control measures in place that have been identified and recommended in individual contractor's Method Statements / Risk Assessments (RAMS).
2. If noise levels deemed to be higher than legal limits at any time, then employees exposed to levels are to ensure they have adequate ear protection as required.
3. Employees to ensure adequate warning given to fellow workers and third parties when exceeding noise levels.
4. Where required, signs will be erected directly beside works to warn of operations that may create excessive noise.
5. All users of ear protection are to ensure that their PPE is properly looked after and stored safely when not in use.
6. Area to be free of other employees and visitors as is reasonably practicable.
7. All visitors to be warned of excessive noise levels in a given area.
8. As part of the building works the Contractor / PSCS and all appointed sub-contractors are to complete heavy / noisy works out with the public in mind at all times to ensure that disruption to the third parties and the public in general can be minimised – all noisy works to be planned well in advance of the works to ensure that any restrictions in place can be observed by the main contractor.
9. Dampening of noise to be established and adhered to at all times by the use hoarding (or some form of acoustic sheeting) in order to minimise the noise and ambient vibration associated with piling and general construction works. The Contractor / PSCS is responsible for all hoarding and noise reduction measures.

PERSONAL PROTECTIVE EQUIPMENT

PPE				Permits		References
Safety Helmet	X	Gloves	X	Hot Works		
Safety Boots	X	Safety Harness	X	LOTO		
Hi-Vis Vest	X	Ear Defenders	X	Confined Space		
Safety Glasses	X	Ear Plugs	X	Other		
Goggles/Visor		Fall Arrest Lifeline	X	Tripod Winch		
Respiratory		Dust Masks				
Protection		Respirator				

VIBRATION

Task: Operations including tools and equipment:

To prevent or reduce risks resulting from works carried out that may result in injury from excessive vibration levels.

PERSONS AT RISK

Employees	X	Sub-Contractors	X	General Public	
Contractors	X	Official Visitors	XX	Plant Operators	X
HAZARDS				Risk Rating	
				Without Controls	With Controls
Hand-Arm Vibration (HAVS)				High	Low
White Finger				High	Low
Whole Body Vibration				High	Low

TRAINING

Company Induction	X	Manual Handling	X	Work Area Induction	X	Toolbox Talks	X	Safe/Pass / CSCS Skills Card	X	Other	
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CONTROL MEASURES

1. If vibration levels deemed to be higher than legal limits, then employees exposed to levels are to ensure they do not use equipment without control measures in place that have been identified and recommended in individual contractor's Method Statements / Risk Assessments (RAMS).
2. All vibration equipment to be checked by operator before use.
3. All vibration tooling to be regularly checked and isolated from use if deemed to be a hazard to operator.
4. A competent person to check / repair tooling equipment if deemed hazardous.
5. Tooling to be stored safely, and PPE to be worn if equipment or period of use of equipment deemed to be hazardous. Any damaged or broken electrical equipment to be isolated, removed from work areas immediately and to be repaired or replaced.
6. Where required, signs will be erected directly beside works to warn of operations that may create excessive levels of vibration.
7. All works are to be carried out with the public in mind at all times to ensure that disruption to the third parties and the public in general can be minimised – all works that create excessive vibration levels are to be planned well in advance of the works to ensure that any restrictions in place can be observed by the main contractor.
8. Where breaking-out works, excavation, demolition works, or vibratory construction works are required on site, the contractor shall undertake such works so as to minimise vibration, through the use of non-percussive methods where possible.
9. Works that create what may be deemed to be excessive vibration levels on site will be monitored using specialist equipment and should vibrations levels reach predetermined limit levels, the contractor will stop work and implement contingency plans to reduce vibrations.

PERSONAL PROTECTIVE EQUIPMENT

PPE				Permits		References
Safety Helmet	X	Gloves	X	Hot Works		
Safety Boots	X	Safety Harness	X	LOTO		
Hi-Vis Vest	X	Ear Defenders		Confined Space		
Safety Glasses		Ear Plugs		Other		
Goggles/Visor		Fall Arrest Lifeline	X	Tripod Winch		
Respiratory		Dust Masks				
Protection		Respirator				

TRAFFIC MOVEMENT / PEDRESTRANS

Task: Operations including machinery, tools and equipment:

All site locations and public areas, including all types of work activities within the working environment and in the immediate area surrounding site boundaries.

PERSONS AT RISK

Employees	X	Sub-Contractors	X	General Public	X
Contractors	X	Official Visitors	X	Plant Operators	X

HAZARDS

	Risk Rating	
	Without Controls	With Controls
Collisions with vehicles.	High	Low
Collisions with properties.	High	Low
Collisions with pedestrians.	High	Low

TRAINING

Company Induction	X	Manual Handling	X	Work Area Induction	X	Toolbox Talks	X	Safe/Pass / CSCS Skills Card	X	Other	
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CONTROL MEASURES

1. Due to the fact that the site is in a busy city centre area with vehicular, cycling and pedestrian movements, a planning stage Traffic Management Plan is to be provided to the Contractor / PSCS. The site is in a heavily urbanised area and the local road network experiences heavy traffic flows.
2. A detailed Traffic Management Plan is to be compiled by the Contractor before any works on site begin and the Contractor/ PSCS must also provide RAMS for works to be carried out.
3. Public access to the construction site is to be prevented at all times by a robust Traffic Management Plan and the Contractor is obliged to ensure the site is secured at all times and that no access by the public is available.
4. Members of the public are to be separated from the site and construction traffic at all times and this can be achieved by the use of specially designated pedestrian routes along the site boundary.
5. A traffic management plan is to be prepared by the contractor, which must ensure access to adjacent properties at all times, and eliminate as is reasonably practicable a cross-over with all site works and the public.
6. Where movement of materials or site traffic is required outside of the site boundary, banksmen, signage and traffic management must be in place as part of the Traffic Management Plan submitted by the Contractor / PSCS.
7. At no time should any member of the public be able to access the site – sufficient warning signage to be included in the site set up arrangements.
8. Where required, signs and barriers will be erected directly beside works to warn of on-site traffic movements and work operations involving traffic movement. The public are to be protected by all traffic movement arrangements at all times.
9. Employees and drivers of delivery vehicles and waste removal companies are to make themselves aware of on-site set-down and parking arrangements for on-site parking / set-down in designated area on-site and all site rules are to be adhered to at all times.
10. Loading and unloading of vehicles is to be carried out in an area where it safe to do so and has been designated.
11. No access to loading and unloading areas to be available to third parties at any time as is reasonably practicable. Signage to in area to show designated areas for all set-down and parking arrangements.

PERSONAL PROTECTIVE EQUIPMENT

PPE				Permits		References
Safety Helmet	X	Gloves	X	Hot Works		
Safety Boots	X	Safety Harness	X	LOTO		
Hi-Vis Vest	X	Ear Defenders	X	Confined Space		
Safety Glasses	X	Ear Plugs		Other		
Goggles/Visor		Fall Arrest Lifeline		Tripod Winch		
Respiratory		Dust Masks				
Protection		Respirator				