

Eurogarges Starbuck Eastland's

Construction Phase Plan

for

Construction of drive thru Starbucks, associated parking provision and landscaping

At

Euro Garages Eastland's
Asda Superstore
Aston New road
Manchester
M11 4BD

**Prepared in accordance with the Construction (Design and Management)
Regulations 2015**

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1.0 Introduction

This Construction Phase Plan has been developed under the Construction (Design and Management) Regulations 2015.

The plan is specific to this project and collates information from the project team and that supplied in the Pre-Construction Information provided by the Principal Designer. It is a working document and shall be updated with further relevant information as the project proceeds.

1.1 Document history

This Construction Phase Plan was created on 15th December 2020. The document must be revised to incorporate any changes on site, with those revisions recorded below

Revision Record			
Rev	Date	Revision Details	Revised by
	15-12-2020	First Issue	RJQ

2.0 Description of project

2.1 Project description

The site address is:

Euro Garages-Asda Eastland's
Aston New road
Manchester
M11 4BD

PROJECT

The works generally consist construction of an of coffee shop eatery with associated parking and services infrastructure.

The hours of work are: 07:30 – 18:30 Monday to Friday
08:30 – 14:00 Saturday (if required)

2.2 Programme

Commencement Date: 18th January 2021
Duration: 13 (Thirteen) Weeks

2.3 Phasing

N/A

2.4 Project directory

The below make up the key contacts for the project:

Client:	Euro Garages Ltd Euro House Beehive Trading Park Haslingden Road Blackburn BB1 2EE
Contact (site):	
Project manager:	Euro Garages Ltd Euro House Beehive Trading Park Haslingden Road Blackburn BB1 2EE
Contact (PM):	Anthony Sofroniou 07500 221 752
Principal Contractor:	AKN Build Ltd Unit 3 St Matthews Business Centre Gower Street Leicestershire LE1 3LJ
Contact:	Colin Forgrievs 07377 171 277
Principal Designer:	Swan Environmental Service Cedars Business Centre Barnsley Road Hemsworth WF9 4PU
Contact:	Peter Clark 07899 928 491
Architect:	Jennings Design Limited York House Valley Court Canal Road Bradford BD1 4SP
Contact:	01274 395422

Structural Engineer	Saldanha Design and Management Ltd 25 Westgate Shipley BD18 3QX Norman Saldanha E norman@saldanha.co.uk T 01274 973191 M 07882 905655
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2.5 Existing plans and records

Health and safety file

The site is currently free of existing development structures and, therefore, no Health & Safety file is authored and available for inspection

Services

The PC believes that no services connections are established but will assess, plan, react and document any that are revealed during the works

Surveys

EPOS survey completed and on site

Phase 1 and 2 environmental report on site.

Plans

The drawings consist of the architect's issue pack, provided by Architectural Design Services.

3.0 Management of the works

3.1 Management structure

The management team for the works is detailed below:

Contracts Manager:	Colin Forgive
Site Manager:	Darren Botha
Various Sub Contractors	TBC
H&S Manager	Richard Quarmby
Administration Team	Oliver Quarmby

3.2 Health and safety arrangements

3.2.1 Health & Safety goals for the project

The Client has specific safety goals for the project and requires the following:

- The Principal Contractor (PC) must fully plan and manage all works observing best practice and English Law
- The PC will strive towards Zero Harm from their activities
- The PC will prepare suitable and sufficient Risk Assessments and Method statements for initial works to be developed as the project progresses
- That the Principal Contractor employs competent contractors with good health and safety records and training.
- That the Principal Contractor implements controls and systems to safeguard the surrounding environment from noise, disruption and dust.
- That the Principal Contractor works safely throughout the project.
- That all health and safety incidents or near misses are reported throughout the project in accordance with client goals.
- That the Principal Contractor does not commence works which cannot be completed in such a way as to be left safe and secure at the end of each working day.
- That the Principal Contractor maintains close liaison with the Principal Designer, Client and other Client's representatives.
- That the Principal Contractor advises the Principal Contractor, Principal Designer of all changes in design which may have a health and safety implication.
- That the Construction Phase Plan is updated and maintained throughout the project.
- That the Health and Safety File is developed throughout the Construction Phase and issued at Practical Completion and is compliant with the client project handover requirements document.

The project safety goals are:

- To manage the works to the highest safety standards
- Monitoring of COVID-19 and daily checks.
- To provide a safe working environment for all persons employed on the project
- To ensure that the health and safety of visitors to the site and members of the public is not jeopardised by the works
- To reduce accidents, incidents and near misses to zero by the use of safe working practices
- To ensure that the health of persons employed on the project is not affected by the use of hazardous substances
- To reduce, as far as possible, the noise generated by the works, so that it does not affect persons employed on the project, visitors and members of the public.

It is the policy of the PC to establish and maintain the highest practical standard of health, safety and welfare. The PC requires all employees to cooperate with the company in their aim to promote a positive and pro-active health and safety culture. The PC operates a 'no blame' culture and strongly encourages all to speak out on health and safety matters, irrespective of circumstance.

The site manager will ensure that no one will commence or continue to work on the site if he is not satisfied with their compliance to the health and safety requirements. The site manager will undertake daily safety inspections of the site and work activities. He will record items of good practice and items that will require action and will record a weekly safety audit of the site.

The site will be audited on a monthly basis to supplement the site managers' activities; creating a second perspective on the health and safety performance of the site.

3.3 Arrangements for management

3.3.1 Liaison between parties on site

Communication will be via daily email & phone conversations with site visits as necessary for progress meetings. These will be organised, chaired and minutes recorded by the contract administrators.

Direct communications relating to the design and construction matters between team members and Principal Contractor will be documented and distribution of information will include the employer's agent.

The Principal Contractor shall liaise with the Principal Designer throughout the design process. The Principal Contractor will be required to inform the Principal Designer of all design changes and notify them of any health and safety issues throughout the construction period. The Principal Contractor must detail within their Construction Phase Plan details of how effective exchange of health and safety information and consultation with the workforce and the exchange of design information between the designers, client, principal designer and contractors on site.

All proposed design changes with a potential impact on safety must be communicated to the Principal Designer for comment prior to implementation. They must be considered for their effect on the overall project design and maintenance strategies.

Good communication is to be kept at all times during the works between all parties. The efficient and effective flow of information is vital to a safe, cost effective project.

3.3.2 Consultation with the workforce

All operatives will be advised of the legal requirements established by Law and Regulation coupling their cooperation on health & safety matters whilst on the PC's site.

All operatives must be made fully aware of the Health and Safety implications of their works and the works of others before commencing on site; this will be disseminated during the site induction and reinforced with toolbox talks and safety talks and meets.

The site manager will ensure that all operatives on site co-operate with the Construction Phase Plan, all health and safety requirements, each other and the directions given to them by the CDM parties. Co-ordination of the works will remain the responsibility of the Project Manager and the Site Manager.

All operatives will be encouraged to approach the site manager if concerned about Health & Safety matters, in line with the 'no blame' policy THE PC promote. Informal health and safety conversations are to be encouraged between all on site where they see a practice, they feel is not safe and comment should be encouraged where good practices are observed. All persons on site are responsible for their own safety and the safety of those around them.

The reporting of near misses will be encouraged across the site. By reducing the number of near misses, the PC will reduce the number of accidents and make the workplace safer for all.

3.3.3 Exchange of design information

Design information will be communicated from the Designers to the Principal Contractor and will be in the form of Drawings, Written instructions and Written Confirmation of Verbal Instructions; the Principal Contractor will in-turn issue information to Contractors and Sub-contractors as necessary.

The Principal Designer must be informed of and involved in all proposed design work and design changes during the project that may have a safety or maintenance implication.

All relevant design information for works undertaken by THE PC, together with technical details of equipment installed and any additional relevant design information will be retained for inclusion within the Health and Safety file. References for the PFS must be made to current publications "The Guidance for the Design, construction, modification of petrol filling stations, 4th edition" (Blue book) and "BS 5345 pt. 2" and necessary steps taken to comply with this guidance must be made.

3.3.4. Handling of design changes

All design changes, where appropriate, will be channelled through the Principal Designer, the Client, the relevant designer, the Structural Engineer where appropriate and the Contractor involved, allowing a detailed assessment of health and safety and buildability.

Where a change is required a formal written request will be issued to the designer, they will then provide a revision of the relevant drawing/s with an updated issue sheet.

3.3.5. Selection and control of contractors

All Contractors employed by the PC will be assessed for competency by the company standard assessment tools. No contractor will be engaged if they do not meet the health and safety standards of the PC.

Contractors already on site will be monitored and reviewed regularly. We will conduct health and safety checks and undertake regular safety tours of the site to ensure they are conducting their works safely and responsibly.

3.3.6. Exchange of health and safety information

On entering the site all persons are to be directed to their relevant working area via the site office. They will be briefed initially via their site induction and informed that their vehicles must be parked in the designated areas only; any alternate arrangements must be discussed with the site manager.

A detailed plan of the project will be on display in the site managers' office, along with a plan of work activities. The site manager will use this as an aid during specific toolbox talks and inductions.

Health and safety matters will be communicated by the following methods:

- Site specific safety inductions
- Daily safety meetings
- Site meetings and minutes
- Health and safety posters and alerts
- Direct verbal instructions
- Action following highlighted items on safety inspections and audits
- Client circulated information
- Risk boards
- Activates boards

Directly following inspection and audit each contractor will be briefed on the findings. A report will then be typed up and distributed to the relevant parties.

3.3.7. Site security

The site working area will be securely fenced off from the general public to prevent unauthorised access; this will be with solid Heras fencing

The fencing line will be installed around the entire works areas as detailed in the Site Layout. this must be monitored to ensure that the secure boundary is kept - members of the public must not be exposed to an elevated level of risk.

After installation the fencing must be checked to make sure there are no protrusions impinging pedestrian routes of causing trip hazards to users.

Contractors must be properly dressed in suitable attire at all times and comply with the site rule that five-point personal protective equipment is worn at all times. All personnel should be in clean overalls or work wear. Contractors will not be allowed on site wearing shorts, vests or any items bearing logos likely to cause offence.

All excavations that present a risk of injury from a fall will have a separate barrier to a height of at least 950mm.

3.3.8. Site induction

All persons attending the site will undergo a full site safety induction before being allowed to commence any works. They will be given information with regard to relevant Health & Safety issues, informed of the risks and hazards involved with the project and notified of site rules, regulations and procedures in case of fire or emergency.

Each site employee and visitor will be inducted by use of the PC "Induction Checklist" contained in the site files. This will be signed and kept as an individual record with training certificates and a record of the safety of PPE and specific work equipment.

3.3.9. On-site training

We will give on-site training in the form of toolbox talks, safety briefings, short training courses and safety meetings.

Where there is a need identified for training to be refreshed, or where persons are not part of a recognised competency scheme, we will coordinate courses with other contractors to maximise efficiency.

All contractors are required to have a valid CSCS card for their works. If no card is held, the PC will assist, where practicable, in the booking of tests, with non-card holding personnel being allowed to work on site where additional supervision and process address the issue to the PC's satisfaction. This arrangement is discretionary at all times.

3.3.10. Welfare facilities

The PC will supply welfare facilities in accordance with Sched 2 CDM Regs 2017

. This will comprise of:

- COVID-19 monitoring area
- Site office / Meeting area
- Secure storage unit
- First aid station and Accident Book location
- Mobile phone area
- Smoking area
- Toilets
- Drying room
- Canteen with means of heating food
- Hot and cold-water supply

Site facilities and cabins are to be kept clean and tidy at all times; the PC will implement a regular inspection and cleaning regime.

The PC will demonstrate to the Principal Designer that the welfare is set up from project day one.

3.3.11. Accidents and incidents

All first aid incidents will be recorded in the site accident book to be located in the site office and freely available for use.

Should an incident or accident occur the site manager will complete a report at the time of the incident and communicate this to all relevant parties. All near miss incidents are to be recorded and reported. Near miss reporting will be proactively encouraged on site and a 'no blame' reporting culture will be implemented.

The PC will report any accident or incident that results in a major injury, results in hospitalisation or is identified as a reportable accident, any damage to any property, services or utility, dangerous occurrence or reportable disease being identified or any sudden death or fatality on site.

Notifications must be made as soon as practicable following the accident/incident. All statutory reports must be made in accordance with the RIDDOR regulations, and where required the Emergency services contacted without delay.

All Accidents and Incidents are to be investigated and details of the results recorded with measures implemented to prevent re-occurrence. Full cooperation is to be given to any statutory body or Client representative during any fact-finding investigation.

All visits to site by enforcement agencies (LA, EA, HSE) are to be notified to the Client and Principal Designer together with copies of any reports, notices, and details of any preventative measures taken to prevent re-occurrence as appropriate.

3.3.12. Risk assessments and method statements

Copies of contractors' method statements and risk assessments must be sent to the PC Site Manager / HSSE Manager in a period of five days prior to commencement to allow review and approval.

The site manager will check all subcontractors' documentation is present before works start; reviewing these to ensure they address the key hazards and risks associated with their works. All documents are required to be site and task specific. Copies of all contractors' method statements and risk assessments will be kept on file.

The Site Manager is responsible for producing additional method statements and risk assessments for the works, in consultation with the safety advisor where appropriate. They may use the templates provided and the blank method statement / permit in the safety files.

3.3.12.1 Significant Risk Register

The below were identified by the designer as the most significant risks to the project. THE PC will ensure the following responsive measure are implemented.

- Hazardous Areas or materials
 - The PC will survey for the presence of Asbestos and remediate using specialist approved contractor
- Welfare Arrangements
 - The PC will provide adequate welfare provisions in accordance with Schedule 2 of the CDM Regulations 2015 from commencement of works
- Site Segregation
 - The site shall be contained within Heras fencing or similar at all times with lockable access and egress gates. These will be monitored by a watchman during operationally hours
 - Additional fencing will be erected as required around the compound and any material storage.
 - The Contractor must leave the site secure at the end of each working day.
- Working Around services

- Service locations must be understood before any digging is conducted and planned for within a Safe System of Work. This will include consultation with all available data, the commencement of a Thorough CAT Scan, the recording of findings on site and in hard copy format, and the use of hand digging processes where service locations are known or possible and the issue of a PtW.
- Segregation of works area
- A continuous Heras/Chapter 8 barrier will be established around the works areas
- **Traffic Management**
 - A traffic management will be drawn-up for the works, contained within the Site safety file and displayed on the boundary fence entrance
 - This will serve to prevent confusion of service routes, prevent the need for reversing where practicable
 - This document that a marshal is required to accompany all deliveries to site
- **Deliveries and Storage of Materials**
 - All deliveries will be scheduled so as to cause minimal disruption to the surrounding area and prevent blocking of the main road.
- **Permit to Work**
 - All High-Risk activities will be subject to issue of a PtW by the PC. These will include: Hot Works, Lifting, Confined Space Entry, Live Electrical Works, Working at Height
- **Fire, First Aid and Emergency**
 - Fire points as appropriate will need to be established and documented in the Layout Plan
 - A first aid point and eye wash station will be established and documented in the Layout Plan
- **Personal Protective Equipment**
 - The PC will establish and enforce a 5-Point PPE rule onsite. All personnel will wear, as a minimum, Hard Hat, Safety Glasses, High Visibility Clothing, Protective Gloves and Safety Footwear
- **Standard hazards associated with demolition and construction activities and petroleum storage**
 - All activities will be subject to development of a Safe System of Work, derived from a thorough Risk Assessment and Method Statement.
 - All High-Risk activities will require the issue of a Permit to Work
- **Working at Height**
 - All access equipment required for working at Height will be compliant with the Work at height Regulations 2005.
 - All users of same equipment will be competent and qualified to do so
 - This will form part of the safety Methodology for the demolition phase of the project and construction of contemporary structures.
- **Specific risks arising from Client works**
 - The PC will be in full possession of site with no associated client works planned
- **Site specific health hazards**
 - There is limited potential for rats (Weils Disease) and also potential for discarded sharps (needles etc) within the abandoned buildings. All operative will be made aware at induction. All sharps found on site will be passed to a safe disposal point.
- **Project and safety meetings and communication**
 - Meetings will be coordinated as applicable for project safety.
 - The Eurogarages project manager will arrange regular meetings to coordinate the works. The PC will delegate attendees as required
 - Swan Environmental will visit the site during construction works, conducting a safety audit and reporting to all parties. The PC will delegate attendees as required

3.3.13. Site rules

The client requires the Principal Contractor to prepare and maintain their own site rules which are to be contained in the Construction Phase Plan

The below form the site rules for this project:

1. No Smoking on site except in the designated area provided.
2. Do not operate any plant or equipment without an authorisation card.
3. A permit to dig must be issued before any excavation is carried out. The Principal Contractors permit to work systems must be strictly adhered to.
4. Do not enter any excavation unless authorised to do so.
5. Only competent persons who are authorised to do so may erect, alter or dismantle scaffolding, formwork or excavation support.
6. Keep your working area tidy and free from trip hazards.
7. Do not work at any edge that prevents risk of injury on fall, unless edge protection or fall arrest equipment is in place.
8. Make sure you have sight of the COSHH Assessment for any hazardous substances you may come in contact with, comply with the requirements of the assessment.
9. Report any defect in work equipment, plant, welfare facilities or any aspect of the project to the Site Manager.
10. Report any accidents to your supervisor.
11. It is your legal duty to fully co-operate with your employer and the principal contractor in relation to all health and safety matters.
12. Attend all method statement briefings relevant to your tasks. Method statements are kept in the site office for the duration of the project and you can request to see them at any time.
13. Leave the welfare facilities in a clean condition. Anybody found to be abusing the facilities will be subject to disciplinary action.
14. Understand the Fire and Emergency procedures.
15. Clear up and report all spillages of fuel, oil and hazardous substances.
16. Do not tamper with, alter or remove any plant or equipment, unless you are authorised to do so.
17. The PC operates a no blame safety culture. If you see any practice that is unsafe or a near miss inform the persons involved and inform the Site Manager. You could save a life.
18. You must inform the Site Manager of any medical condition or prescription drugs you are taking that may affect your abilities
19. Do not undertake any task that you are not competent or authorised to do.
20. All accidents, no matter how small, must be reported to the Site Manager and entered into the accident book.
21. If in doubt about any aspect of your work speak to the Site Manager.

22. Anybody found to be under the influence of alcohol or illegal drugs will be dismissed from site.

3.3.14. Fire, first aid and emergency

A site layout drawing is to be produced, showing the emergency routes, location of fire and first aid equipment and the muster point (day one on site). This will be based on the existing operational plan as we do not intend to change any of the current provisions.

A Plan showing direction to local the Hospital will be displayed in the Site Office.

Site personnel and visitors will be made aware of the emergency procedures for this site at the site Induction. All escape routes, including temporary routes will remain unobstructed throughout the project.

The fire plan will be checked on the weekly site audits and will be updated throughout the project as the works develop and the layout changes.

A spill kit will be present on site and will be situated by the diesel bowser and generator.

The first aid responsible person is: Darren Botha

He will ensure the first aid kit and eye wash station are stocked and that adequate provision is made.

The designated fire marshal is Darren Botha

He will ensure that the fire extinguishers are adequate and in date, the alarm system is functioning and that a roll call is taken in the event of an evacuation.

The fire alarm is an air horn, site fire extinguishers are 2 x Powder and any other required for individual tasks by contactors.

The fire marshal must also make sure the site is kept clean and tidy and free of flammable debris, creating a site free of significant risk.

4. Arrangements for controlling significant risks

4.1. Safety risks

4.1.1. Delivery and removal of materials

Site is accessed/egresses from/exist Asda superstore carpark

Due to the restricted nature of the site, vehicle size will be taken into account for all deliveries and contractor mobilisation the site Traffic Management Plan will be adhered to for all accessing and egressing the site.

The PC appointed banksman/marshaller will be in attendance during all vehicular access and egress movements ensuring that

All deliveries will be planned and managed so as to avoid any build-up of traffic on the entrance and exit roads.

Where vehicular parking is not available, the delivery will be required to park-up and await a call to attend site at a time when space is available.

General delivery times will be between 08:00 and 15:00 Monday to Thursday-No Deliveries on Friday-Saturday or Sundays during school holidays and 09:00 and 16:00 during term time.

4.1.2. Waste

All waste removed from site will be recorded with following details held on site:

- All spoil removed from site will disposed of in accordance with the findings of a Waste Assessment Criteria test
- Transport Company name and waste carrier registration number
- Written description of waste material with EWC reference number
- Quantity of waste removed
- Destination of waste
- Environmental permit or exemption for host site

4.1.3. Services

THE PC will locate and mark out services by means of a CAT scan prior to commencement and consult with service providers if required. No major impact to potential services is expected due to the nature of the works.

Before work commences in the vicinity of any suspected live services, the location will be determined by means of electronic testing devices and the positions clearly marked. Where possible the services will be terminated at source. Only registered and competent persons will be allowed to work on services.

Prior to work in the vicinity of services a suitable permit will be completed and hand digging will take place within range. The services will be suitably supported and protected.

Electricity for site tool use will be 110V only. Certified electrical generators are to be used and will be kept within the confines of company vehicles at all times.

4.1.6. Preventing falls

All Work at Height will be carried out in accordance with the 'Work at Height Regulations 2005' and HS (G) 33. Work at height includes the means of access and egress, working platforms, ladders and step ladders, fall arrest equipment (such as netting) and fall restraint equipment.

The use of step ladders and ladders as a working platform must only be used for short duration work and in compliance with the Work at Height Regulations 2005. We will ensure that all works at height are planned and co-ordinated to reduce the risk of operatives falling from height and the risk of materials being dropped from height.

Where any tasks arise with a specific hazard a permit to work must be put in place.

4.1.7. Work with, or near, fragile materials

No existing fragile materials are known of that will affect the works. Areas that are fragile during the construction process will be protected until they are able to be considered as a managed risk with adequate precautions.

4.1.8. Lifting operations

Arrangements will be implemented for the use, maintenance and storage of suitable and sufficient work equipment as required by the Provision and Use of Work Equipment Regulation 1998 (PUWER) and Safe Use of work Equipment: ACoP and Guidance L22, the requirements laid down in the Lifting Operations and Lifting Equipment Regulations 1998 (LOLER) and Safe Use of Lifting Equipment: ACoP and Guidance L113.

The offloading of underground storage tanks will be by means of mobile crane in accordance with subcontractor authored Lift Plan

Lifting operations on site will be forklift movement of the pumps.

4.1.9. Maintenance of plant and equipment

The register in the site file is to be used to keep a log of inspections on equipment. All plant and equipment must come with a ticket confirming it has been tested and inspected and is safe to use. THE PC policy is to hire all equipment in, from trusted suppliers.

The use of plant and equipment for the works will comply with the Provision and Use of Work Equipment Regulations (PUWER) and operators of the plant and equipment will be suitably trained to use the specific equipment. The desired training is CPCS, with an NVQ, though a recognised competency scheme will also be considered (such as the National Plant Operators Registration Scheme).

4.1.10. Excavations and ground conditions

Excavations will be planned prior to commencing digging. The techniques employed will be based on the specific site conditions i.e. ground conditions, ground water, adjacent structures, depth of excavation, contamination, surrounding environment etc.

Spoil will be stockpiled away from the excavations (so as to have no adverse ground pressure effect or the risk of falling into the excavation).

The PC notes the close proximity to hosing and will ensure that site securely prevent access of children and excavations will be barriered with a view to further protection as recommended in HSG150.

4.1.15. Traffic management

The traffic movement in and out of site will follow the designated routing system.

All traffic will be given instruction before attending site and notified to watch out for pedestrians and other site users.

All goods vehicles will be accompanied by a banksman at all times

Contractor parking will be inside the site compound at all times. No overflow parking is expected.

Access for parking must be considered in the evolving traffic management plan as the construction works progress.

The site traffic management will evolve as the works progress in different areas; the site manager is responsible for the evolution of this live document, he must specify the traffic routes as the project progresses. Traffic management will take into account:

- Site access and egress
- Reversing procedures
- Turning procedures
- Parking
- Conflict with pedestrians
- Conflict with other vehicles
- Loading and unloading of plant and materials

4.1.16. Storage of materials and work equipment

All materials and equipment will be stored securely within the works compound in a manner that the risks to those using or in close proximity to them are not elevated.

Storage will be to the outside of the traffic routes so as not to cause any obstruction. A lay down area will be situated on the site.

The storage of flammable materials will be in accordance with The Highly Flammable Liquids and Liquefied Petroleum Gases Regulations 1972.

- Fuel will be stored in a bowser with 110% capacity in case of spillage
- Storage of flammable materials i.e. paints, solvents etc. will be in a secure lockable chest.
- Gas cylinders Are to be kept secured tethered in contractor vehicles when not in use
- Fragile materials such as glass will be stored in a secure place and all works carried out in close proximity to fragile materials will be subject to specific Risk Assessments

4.1.17. Any other significant safety risks

Are listed in the significant risk register.

4.2. Health risks

4.2.1. Asbestos

Due to the undeveloped nature of the site no asbestos survey has been undertaken. Where excavation reveals a material with a potential to contain asbestos, works will cease until remediation or survey findings dictate it is safe to do so.

4.2.2. Contaminated land

The soils report shows the existing areas of excavation to be classified as non-hazards and all materials removed will be carried out under duties if care.

4.2.3. Manual handling

Mechanical Handling will be used where possible for all heavy lifting tasks. Where manual handling techniques are required an assessment will be required by the contractor and the persons involved must have been trained in manual handling techniques.

4.2.4. Hazardous substances

The site is operational so there is existing storage of petroleum products within the underground tanks.

Where hazardous substances cannot be eliminated from the work procedure, a COSHH assessment will be carried out to ensure that adequate precautions are planned to control the risk prior to commencement of work. Assessment and arrangements for suitable protection will be communicated to the personnel involved.

COSHH assessments will take account of prevailing site conditions and state how the control measures will be brought to the attention of all who may be affected. All COSHH assessments will be kept in a COSHH file on site by the relevant persons.

The PC has already assessed the COSHH requirements for the project and these are included in the site file – any additional must be individually assessed on the template sheet from the MSDS.

4.2.5. Noise

Noise will be kept to a minimum throughout the project works, in accordance with the Control of Noise at Work Regulations 2005 and the HSE guidance document L108- Controlling Noise at Work. We will:

- Comply with the requirements of noise control on construction sites
- Hire percussive tools that have been silenced by design
- Hire generators and compressors that are silenced
- Ensure equipment is silenced so far as is possible

Several generic noise assessments are contained in the site file, any additional will be assessed via manufacturer data and entered onto the assessment matrix.

No noise monitoring is planned as part of these works

4.2.6. **Vibration**

Risk assessments will be carried out for all activities where there is exposure to Vibration and all such activities will be carried out in accordance with 'The Control of Vibration at Work Regulations 2005. Specific Vibration assessments will be carried out prior to the use of vibrating Hand Tools.

There are vibration assessments for the common tasks we carry out, these are contained in the site document folder.

4.2.7. **Ionising radiation**

None to consider

4.2.8. **UV radiation**

Unlikely due to the time of year, however the below is retained for reference.

During periods of hot sun, heat-waves and all days where temperature exceeds 31 degrees Celsius especially, we will issue a few simple guidelines to operatives to protect them, these will include:

- Always wear head protection out in the sun. If your hard hat is causing sweat and discomfort try using a cold damp rag underneath it. Head protection helps to prevent sunstroke.
- If you are working in the sun plan the work so that you can take regular breaks in the shade, especially during the hottest times (11-3). Cool down when resting, use a spray of cool water and loosen clothes.
- Use sun protection. Full protective clothing is to be worn, make sure it is loose enough to stay as cool as possible. Use sun block to protect areas that are exposed and run the risk of burning.
- Avoid tea and coffee and soft drinks containing caffeine. Caffeine is a diuretic and will increase the risk of dehydration. Water is best to hydrate the body.
- Drink regularly. Keep the body hydrated by regularly consuming water. Don't let yourself get to a state of thirst and dryness, this will weaken you and is dangerous.

If the temperature exceeds the met office level 3 (Heat-wave) the company will review the works taking place and take further actions to protect your health and welfare.

Barrier cream is provided in all welfare facilities.

4.2.9. **Any other significant health risks**

Dust and dirt

We will control dust, dirt and debris in accordance with the Environmental protection Act 1990, the control of Pollution Act 1989 and associated acts and legislation.

Damping-down and road sweeping will be undertaken as site conditions necessitate

Smoking

No smoking or vaping will be permitted on site. Those wishing to do so, must leave site in a safe manner.

5. Health and safety file

The Health and Safety file is to be presented to the Principal Designer for review at the completion of the works, with all of the operation and maintenance information for installed items. We will produce 1 hard copy and 1 electronic copy of information for inclusion.

If there is outstanding information (certificates etc...) the file is to be issued with the last pieces to follow.

The specific content of the Health and Safety File is to be agreed with the Principal Designer during the course of the works and the File will be made available for review and approval no later than 2 weeks prior to contract completion. The issue of Practical Completion will be subject to the presentation of an adequate Operation and Maintenance Manual, Health and Safety File, commissioning and test certificates, Building, Planning and Petroleum approval and final As Built drawings.

The content as described in the PCI will be:

- a) A brief description of the work.
- b) Residual hazards and how they have been dealt with.
- c) Site investigation and remediation report
- d) Key structural principals of the design.
- e) Any hazards associated with materials used.
- f) Removal or dismantling of plant and equipment.
- g) Health and safety information about equipment provided for cleaning and maintaining the structure.
- h) Nature, location and markings of significant services including firefighting services.
- i) As-built information and as-built drawings provided
- j) Guarantees / warranties / test certificates / commissioning test certificates