Author KB (MS) 1
Revision Change Date – 1st Oct 24

UTC Worthing Construction Transport Management Plan.

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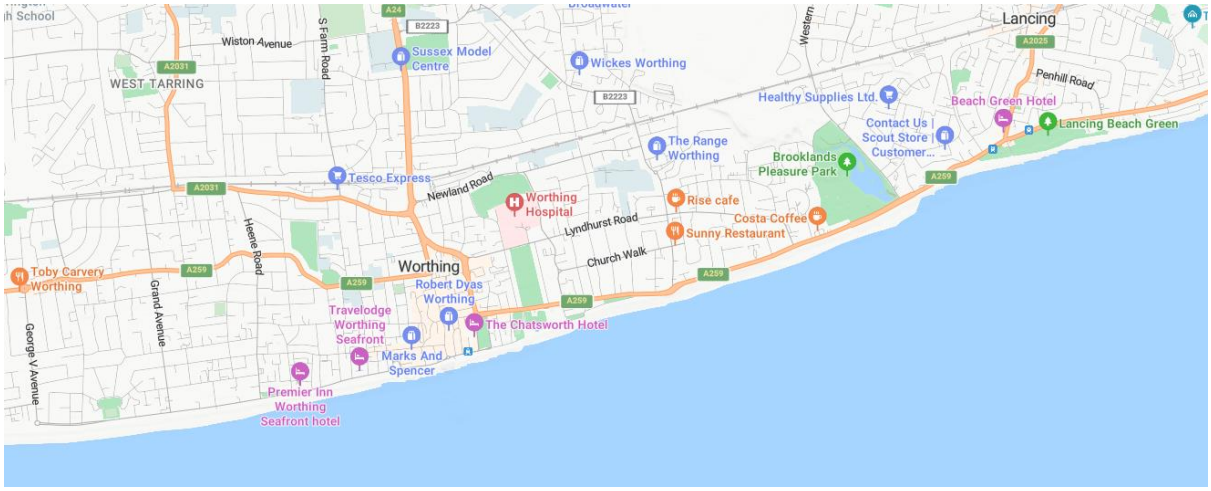
1.0 Introduction

The Construction, Environmental Management Plan (CEMP) has been developed to reflect the construction of the development at UTC Worthing.
To specify the potential impacts of construction activities and associated traffic will be managed. In the interest of visual amenity and safety.
It addresses the arrangements associated with the provision of parking, loading, turning, and unloading by site personnel, visitors, and delivery vehicles. The facilities provided for wheel washing facilities to minimise mud and prevent deposit of debris and dust on the surrounding roads and highways.
Other key consideration include key Health and Safety issues in relation to pedestrian, traffic, materials, and plant movement in and around the construction activities and the means in which these can be segregated as far as practicable.

2.0 Site location -



Address

Lyndhurst Road, Worthing BN11 2DH

Summary scope of the contract:

The scope of the project is to form a new 2 storey block which infills an existing block paved courtyard to increase hospital capacity.

3.0 Outline Logistics Plan

Construction Traffic Site Access / Egress

Please also refer to CPH&S Plan (PEP Part2) previously issued.



Note

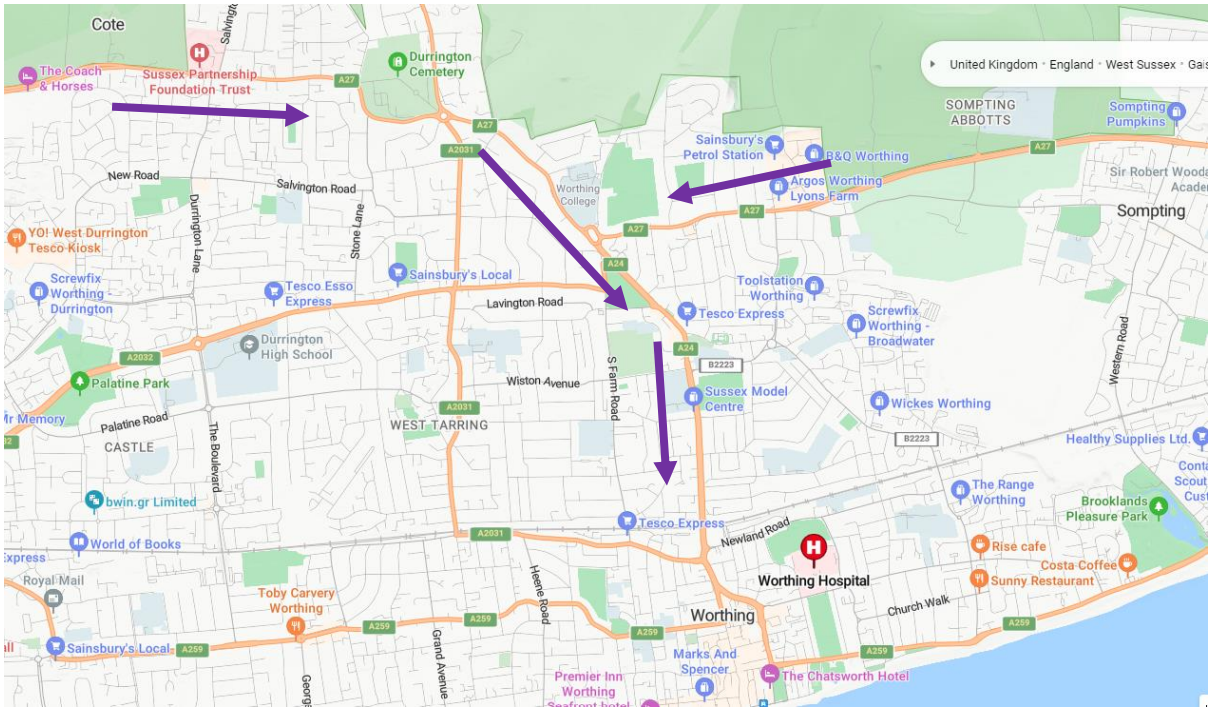
Contract Duration – 37 weeks

Anticipated start of main works – 18th Nov 24

Proposed Site working hours -

8.00am to 6pm Monday to Friday
7.30am to 1.30pm Saturday

The approved route for Construction Traffic will be from the North via the A24 or A27 to minimise the route through residential areas together with not increasing congestion along the seafront roads.



4.0 Management of Construction Traffic

By the nature of the site i.e. being within a fully 'live' Accident and Emergency hospital all Construction traffic must be tightly controlled with all road ways immediately outside the vicinity of the site being maintained to a high level of cleanliness.

Congestion of vehicles must be avoided otherwise the ambulance 'Blue Light' route could be compromised.

Measures to be adopted –

- Traffic management plans to be issued to all suppliers.
- Holding points off of the A24/A27 identified for parking of vehicles prior permission to travel onwards to site.
- Local suppliers to be researched and used as much as possible given specification for materials.
- Establish full lines of communication between site management and vehicles.
- Dedicated vehicle and logistics manager full time appointed on site.
- Full FORS and CLOCS training.
- Vehicles to be prevented from 'idling' when stationary.
- Hard standing to be provided for vehicles (existing block paved area).
- Wash down area (hose) provided should any mud be on vehicle wheels (vehicle marshal to check all lorries).
- There is a public pay and display car park immediately opposite the hospital for site operatives.
- All delivery vehicles to be no older than 5 years of age to ensure up to date in terms of reduced emissions and engine noise.
- Employ road sweepers as last resort to clean access roads.

Consideration of Vehicle Movements & Specific Planning Conditions

In consideration of the Planning Condition we need to consider the specific items together with the likelihood of the issue together with management procedures.

1) Anticipated number, frequency and types of vehicles

Major Plant

i) Excavator – 1No delivery & collection via 'low loader'
ii) Piling rig – 1No delivery & collection via 'low loader'
iii) Agitator (concrete drum for piling operations) – 1No delivery and collection via 'low loader'
iv) Mobile cranes – up to 50tonnes in size. 6 visits envisaged for steel erection and major plant (AHU and site accommodation)

Other major vehicles

i) Removal of earth – 20t 8 wheeled vehicles. Approx 60 trucks during early part of programme. Up to 12 trucks a day.
ii) Concrete – foundations etc. 6 or 8m³ trucks. Up to 8 trucks a day envisaged over 6 week period.
iii) Steel frame members – long flat bed articulated tuck. 4 loads. NB Mobile crane required.
iv) Steel floor sheets – long flat bed lorry. 1 load.
v) Bricks/blocks – self offload flat bed lorries. 10No
vi) General waste skip lorries – 2 per week.
vii) General deliveries via rigid or articulated vehicles
    a. Scaffold – 4no
    b. Hoist – 2 No
    c. Site cabins – 6 No (mobile crane required)
    d. Plasterboard materials – 4No
viii) General fit out materials – 2 per day for duration of project.

Vehicle Routes – please refer to map shown in section 3.0.

Parking of visitors and site operatives – public car park opposite the hospital

Loading/unloading and material storage – please refer to previously issued documents in response to Condition.

Wheel washing – hose pipe off of existing wash down point.

Public Engagement – this is strictly through the Hospital Public Relations. We will erect site signage to inform public of the works and will subscribe to the Considerate Constructors Scheme.

Dust – it is considered that utilising hard standings for siting of delivery vehicles will minimise any dust created as a result. All loads will be covered prior to leaving site (i.e. removal of soils and general waste).
Ground works are being carried out from November onwards so it is envisaged that any dust due to excavations and the like will be naturally suppressed by the wetter weather. Water spray will be utilised should the weather be dry and dust not adequately managed.
The main concern will be preventing any ingress of dust into the ventilation systems of the hospital so strict controls on dust are vital. Screening and filters may be necessary after Risk review with the Hospital.

Construction Phase Health and Safety Plan (CPHSP) – (PEP Part 2)

CONSTRUCTION PHASE

Health and Safety

Morgan Sindall business unit / region:	**London and home counties – Brighton Office**		
Project name:	**Worthing Hospital UTC**		
Project no.:	**MSC, 93CB16**		
Customer:	**University Hospitals Sussex NHS Foundation Trust**		
Location:	**Lyndhurst Road, Worthing, BN11 2DH**		
Revision no.:	**D**	**Date:**	**17/09/24**

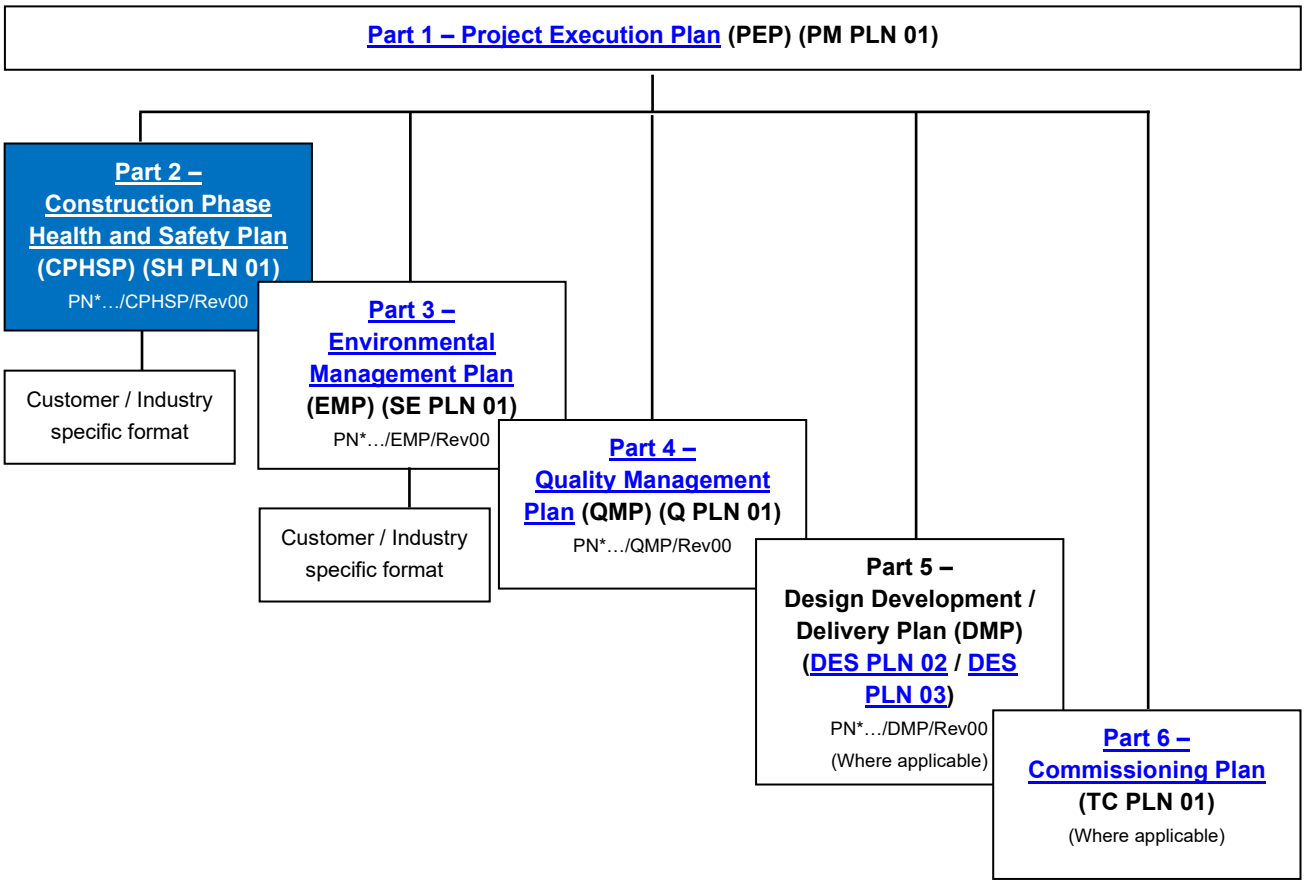
For full revision schedule see section one of Project Execution Plan (PEP) Part 1.

Construction Phase Health and Safety Plan (CPHSP) – CONSTRUCTION MANAGEMENT PLAN

This document will define how specific health and safety management elements of the contract will be delivered.

Each box represents the parts of the whole PEP. Only in exceptional circumstances will a PEP consist of less than four documents.

* PN = Contract or project no.
(Update revision nos. as required)



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Introduction

1.1. Pre-amble – the following information is contained within PEP Part 1

- Pre-construction information
- Project directory
- Contract organisation and staff responsibilities
- Communications
- Risk management
- Knowledge transfer – good practice / lessons learnt.

1.2. Purpose of this plan

This CPHSP when read with the core module (PEP Part 1) meets the requirements of the Construction Design and Management (CDM) Regulations 2015 with regard to the construction phase plan. This plan describes how health and safety aspects of the contract will be managed. It is a live document that will be reviewed at regular intervals by the contract manager to reflect progress of the works and changes in health and safety requirements.

The plan conforms to Morgan Sindall's health and safety policy objectives which will be clearly displayed in site offices.

The plan is concerned with the overall management control of all health and safety aspects in the execution of the contract. Subcontract works are also subject to this plan.

Morgan Sindall is certified to BS ISO45001:2018 and its company Integrated Management System (IMS) complies with that standard.

This plan is a 'live document' to be supplemented and/or revised as the project develops, by the introduction of supporting documents such as subcontractor method statements, risk assessments or any documentation relevant to the safety, health and environment of the project, which may include:

- Appropriate legislation
- Corporate governance
- Morgan Sindall and/or Morgan Sindall Professional Services policies
- Customer requirements (to include stakeholders)
- Company processes and procedures (amend as necessary)
- Methodologies and programmes
- Organisational structures
- Supply chain requirements.

1.3. Authorisation

This plan is authorised when the preparation, approval, authorisation and distribution section on page 1 of the PEP (Part 1) is completed.

Legal and other requirements

The project will meet its legal requirements through compliance with any planning, local authority, enforcement agency conditions and to all relevant legislation. Updates will be made available to the project team by Morgan Sindall intranet.

Specific requirements as detailed in pre-construction information pack shall be incorporated into this plan. This includes:
Underground Services

1.4. Integrated Management System (IMS)

The company's IMS is designed to meet the contract objectives in the core module (PEP Part 1). An explanation of the Morgan Sindall IMS is on the Morgan Sindall intranet.

This plan sets out the SHE standards to be achieved and the means of continuous improvement by the process of review and where appropriate revision.

1.5. Contract details

These are described in PEP Part 5.

2. Health and safety management

The key high-level objective of the contract, as stated in core module (PEP Part 1), is to deliver the customer's contract on time, to budget and without incident or complaint.
The key health and safety objective is to complete the contract having achieved the objectives of the company's health and safety policy, the primary message of which is '100% Safe'.

2.1. Roles and responsibilities

All members of the contract team have responsibility for elements of health and safety appropriate to their function, experience and seniority. The contract manager has overall responsibility for delivering the contract objectives.

2.2. Risk assessments and method statement (RAMS)

No activity will be permitted without an approved RAMS.

The project management team shall produce risk assessments where significant risks are identified.

2.3. Site specific RAMS

Site specific RAMS will be carried out by appointed and competent personnel on site. A register of method statements and associated risk assessments will be kept on site and reviewed.

Method statements shall be task specific, identify tasks, responsible personnel, control measures and monitoring arrangements in line with Morgan Sindall method statement tracking and content sheet. Method statements will be assessed, tracked and accepted by Morgan Sindall prior to commencement of work. The contents of the method statement will be communicated to all those undertaking and associated with the work activity.

Contractors shall hold a signed copy at the work face while the works are taking place ensuring all operatives have read, understood and signed stating they will comply with the method statement.

A schedule of work activities and their current status is maintained via the RAMS schedule which is updated and retained within the project / site management filing system. The schedule template is included at Appendix C.

Change control for systems of work

A change control will have significant repercussions with respect to the prevention or control of accidents and may require changes in the measures taken to ensure that those risks remain as low as reasonably practicable.

Whether a change has significant repercussions will depend on the degree to which it:

- Introduces a new hazard
- Changes the risk from an existing hazard
- Affects control or mitigation measures (including off-site emergency plans).

Changes that have a positive impact on the risk profile are also important.

Morgan Sindall has in place systems for the communication of changes and any changes to approved systems of work shall be agreed in writing.

3. Safety and occupational health controls

Morgan Sindall has in place within the IMS. The 'Creating a Safe and Sustainable Environment' document that set the minimum standards that must be applied.

3.1. Accident and incident reporting (including learning event and near miss reporting)

In the event of an accident or incident occurring and depending on its nature, the process detailed in SH PRO 02 should be followed.

All accidents and significant incidents, including those involving contractors, must be recorded in the site accident book and entered on Eco-Online within 24 hours. All incidents MUST be reported to the SHEQ department.

Records of accidents or incidents reportable under the Reporting of Injuries Diseases and Dangerous Occurrences Regulations (RIDDOR) are confidential and must be stored securely on site.

Should the public or a utility be involved in an accident or incident, ensure that public liability claim forms are completed if necessary. All near misses and learning events MUST be reported to the SHEQ department.

Reports

The SHE advisor shall maintain records of all accidents, incidents and investigations and compile a monthly report for the management team.

Asbestos

Prior to any work, maintenance or demolition on existing buildings, the project manager will check that a survey has been carried out to identify any Asbestos Containing Materials (ACM's). In accordance with the SH PRO 05.

Key details of asbestos survey reports or asbestos management plan will be communicated to all personnel to include where any asbestos is located, that it has been clearly labelled, or has been removed by a licensed contractor prior to the commencement of the construction / demolition works.

All persons on any project where ACM's have been identified, will attend recognised asbestos awareness training.

Morgan Sindall must only use licensed contractors when dealing with notifiable asbestos in line with company standards. Morgan Sindall will ensure that they obtain relevant information, including appropriate Asbestos survey reports, and carry out checks before beginning work where asbestos is or may be present.

3.2. Certification of plant operators

Before being allowed to work, operators of plant must present proof of competence, e.g. CPCS, IPAF cards for entry into site file records. Periodic checks of competencies will be carried out by contract supervisors.

3.3. Confined spaces

Work in a confined space can be a high risk activity. Therefore, entry to an identified confined space will be avoided whenever feasible. When this cannot be avoided, no work will be started until a RAMS is approved. In addition, no work will start until the relevant permit to work has been issued. Emergency and rescue personnel and equipment must be in place before work starts.

The calibration of equipment to test the atmosphere of confined spaces must be regularly checked in accordance with manufacturers' instructions.

3.4. Control of Substances Hazardous to Health (COSHH) and Asbestos

Morgan Sindall utilises industry leading company Sypol for the generation of specific COSHH assessments. Assessments will be administered by an appointed Sypol coordinator for the contract.

Site supervisors will ensure that assessments for all substances are available to those who may come into contact with them and that they have been made aware of those assessments. If no assessment exists, then one must be obtained using the Sypol form in line with the company standards.

Design works shall only be assigned to competent and resourced designers who shall be assessed to confirm their ability to comply with the principles set out in the CDM regulations and in accordance with Morgan Sindall supply chain procedures.

Further information on management control of design can be found in the DMP Part 5 of this PEP.

3.5. Demolition

Generally considered a high risk activity, demolition will be conducted strictly in accordance with Codes of Practice for Demolition and Health and Safety Executive (HSE) guidance. RAMS will be produced prior to work being undertaken.

3.6. Electrical supplies and equipment

The design, installation, use and maintenance of electrical systems and equipment will be in accordance with company standards SH PRO 04.

An electrical duty holder will be appointed for the project and identified on notice boards, distribution boards and sub-stations.

In every case where work must be carried out on electrically isolated equipment it will be carried out under a permit to work procedure. This procedure is mandatory to all Morgan Sindall employees and designated subcontractors.

Contractors should only use 110v electrical tools or battery powered devices.

No 240v tools are to be used unless no other alternative exists, and only then with suitable electrical protection. All extension leads must be properly terminated with the appropriate plugs / sockets and be otherwise un-jointed.

Contractors must demonstrate that they meet all of the requirements of the Provision and Use of Work Equipment Regulations 1998 (PUWER) and have a means of indicating, (eg by labelling), that where appropriate equipment has been Portable Appliance Testing (PAT) tested / examined.

3.7. Excavations and services

No works will commence until details of overhead and buried services likely to affect those works are either obtained from service providers or by direct investigation. Details will be available as plans, drawings, cross sections and other information.

All excavations will be done following the relevant Morgan Sindall process standards and guidance. Service and cable avoidance will be carried out according to HSG47 and Morgan Sindall standards SH PRO 07 and SH6 STD 01. The precautionary principle will apply where there is uncertainty about buried services.

A permit to break ground will be used before beginning any excavation including trial holes and investigation.

If suspect material is discovered in an excavation, the supervisor will stop work, record and investigate the occurrence and agree actions before continuing.

3.8. Emergency arrangements

Morgan Sindall will appoint an emergency co-ordinator, this will normally be the project manager and will be identified within the site induction along with deputising arrangements.

The emergency co-ordinator will be responsible for:

- Production of the fire and emergency plan (Appendix E)
- Ensuring that suitable individuals are appointment to fill key positions under the emergency plan
- Arrange drills and exercises to ensure the effectiveness of the plan
- Review and update the plan as conditions change
- Ensure any equipment essential to the operation of the plan is tested and maintained.

3.9. Fire precautions

The contract Project manager will appoint a fire co-ordinator who will ensure that a fire risk assessment is made, that emergency preparedness against fire is adequate and that a fire safety plan is in place (Appendix E).

The fire co-ordinator will complete the emergency arrangements and review this on a regular basis referring deficiencies to the site / project manager for action.

Site inspections of emergency arrangements against fire will be carried out not less than fortnightly.

Where fire escape routes are long, involve stairs, buildings have multiple occupancy, or may be used by the disabled or the general public, fire drills will be carried out not less than annually.

3.10. Hand Arm Vibration Syndrome (HAVS)

Morgan Sindall has adopted a HAVS strategy, guidance is given in the IMS. This strategy will be taken into consideration when using equipment that could potentially cause HAVS.

Where prolonged use of vibrating tools or where vibration exposure is likely to regularly exceed the action level for a particular tool / activity, the items listed below should be considered and implemented:

- Tool selection
- Vibration control
- Maintain blood circulation
- Selection of operatives
- Training and awareness
- Health surveillance.

3.11. Health and safety rules

Site health and safety rules shall be included in the site start up pack and developed for the project by the contract manager in conjunction with the SHE advisers. Site rules will be posted on site notice boards and explained at induction will cover as a minimum:

- Policies including substance abuse
- Access and egress
- Personal Protective Equipment (PPE)
- Mandatory instructions
- Site boundaries
- Training and competence
- Authorised persons
- Safe methods of work
- Traffic management
- Waste
- Visitors.

Minimum rules are contained in the Morgan Sindall 'Creating a Safe and Sustainable Environment' document.

3.12. Health surveillance

Risk assessment will identify circumstances when health surveillance is required (unless already identified by existing legislation) and should it be deemed necessary, an occupational health surveillance programme will be undertaken. Occupational health surveillance for individuals undertaking high risk activities will include screening for any or all of the following:

- HAVS
- Noise induced hearing loss
- Manual handling
- Dermatitis from onsite operations
- Repetitive strain injuries.

Additional health issues may arise as a result of COSHH assessments and or individual situations. Such surveillance will be conducted as identified by risk assessment.

3.13. Health and safety file

In compliance with CDM Regulations, the health and safety file will be developed throughout the contract in a format agreed by relevant parties early in the contract.

The contents of the health and safety file may include:

- A brief description of the work carried out
- Residual hazards and how they have been dealt with
- Key structural principles incorporated in the design of the structure
- Any hazards associated with the materials used
- Information regarding the removal or dismantling of installed plant and equipment
- Health and safety information about equipment provided for cleaning or maintaining the structure
- The nature, location and markings of significant services, including fire fighting services
- Information and as-built drawings of the structure, it plant and equipment.

3.14. Hot works

Works that generate heat or sparks that could create risk of fire require issue of a hot works permit and the provision of fire extinguishers and emergency arrangements.

3.15. Housekeeping

All site personnel will be responsible for maintaining a clean and tidy site that poses no unnecessary slip, trip and fall hazards and presents an acceptable visual impression to the workforce, visitors and the general public.

Material and equipment will only be delivered to site as required to reduce the required storage space.

Failure of contractors to maintain standards may result in work being undertaken on their behalf and those contractors being recharged accordingly.

Time will be allowed within the detailed programme of works to ensure that housekeeping is afforded high priority and each section of the works is left clean, neat and tidy at the end of each work shift. An end of shift inspection regime will be implemented.

3.16. Site induction

Morgan Sindall will prepare a site specific induction for this project. The purpose of this induction is to:

- Familiarise individuals with the health and safety requirements of the project
- Establish procedural controls specific to the project
- Specify any permits to work
- Identify emergency arrangements
- Instruct on accident reporting
- Identify site specific safety rules
- Identify significant hazards at the worksite.

This induction will be delivered to all Morgan Sindall employees, subcontractors and visitors on site. Records of this induction will be maintained within the site safety file.
All visitors to site whether invited or not, must identify themselves to the project manager attending site prior to entering the worksite. The project manager must ensure that all such visitors are in possession of the relevant certification, site equipment (including PPE) and are fully inducted and briefed before accessing the work location.

3.17. Interfaces with visitors, the public and others

Interfaces between site activities, visitors and the public will be considered when developing the site plan, planning points of site ingress / egress and works outside the site boundaries to ensure that site operations do not endanger visitors and the public. Such consideration will apply to others such as the customer's personnel who may need access to or through the site.

The following measures to protect the public from site activities will be taken:

- X2 MSC CLOCS trained and competent traffic marshals/banksman to be equipped with body cams and to manage all incoming traffic movements. Consideration taken with the site logistics and traffic management plan to ensure the Hospitals 'Blue Light' route is not affected as a result of the works.
- MSC gateman to ensure the site hoarding and security gates are secure and locked creating a sold segragtion from site areas to members of the public.

3.18. Lifting operations

All lifting operations will be planned and authorised in accordance with company processes, standards and guidance SH PRO 09. The Operations/Contracts manager must appoint a Responsible Person (Lifting) and record this appointment on the relevant appointment form.

Where applicable the contract manager will appoint a competent appointed person for cranes and a crane supervisor.

All lifting machinery, equipment and gear must be checked prior to use and on arrival to site. This will include the use of piling rigs.

Checks and inspections of lifting plant and equipment will be recorded in the site register.

3.19. Lone working

Lone working must be avoided whenever feasible. If it cannot be avoided, a specific risk assessment and method statement for the activity is required, to include the arrangements for lone working.

3.20. Manual handling

Manual handling risk assessments must be carried out prior to manually lifting a load and must include load weights and dimensions. Methods of assessing the risks of manual handling and consideration to alternative methods will be considered where practical.

3.21. Material storage and distribution

The storage of materials will be planned before the site is established to meet logistical and safety requirements and to ensure that wastage of materials through poor storage, damage or theft is minimised.
Suitable and adequate means of distributing materials about the site when needed will be planned beforehand.

3.22. Mechanical plant

Site plant and equipment operated by Morgan Sindall will be subject to Planned Preventative Maintenance (PPM) scheme.

Records of plant inspections will be maintained on site and will be available for inspection.

Plant and equipment operated by contractors must be similarly maintained in line with legislation and Morgan Sindall minimum standards.

Details of plant and equipment operators shall be maintained and evidence of periodic checks from plant hirers that the plant has been adequately maintained shall be obtained.

3.23. Monitoring and inspection

Safety performance and compliance will be assessed regularly. Records of audits, inspections and visits undertaken will be available on site.

Project Monitoring Schedule				
	Frequency			
Type of monitoring	**Daily**	**Weekly**	**Monthly**	**Annual**
Senior Management SHE tours			X (to be arranged by senior managers)	
SHE meetings			X	
Liaison / stakeholder meetings (i.e. with school)		(Every 2 weeks)		
Contractors (safety / co-ordination) meetings			X	
Project progress meetings			X	
SHE Cross regional audit				X
SHE Inspections – (SHE team)			X	
SHE Inspections – contractors (self-audit)			X	
SHE Inspections – client	TBC			
SHE Inspections – (site team)		X		
SHE Monthly return			X	
Safety committee (VOICE)			X	

Emergency procedure drills			X	
Safety awareness talks		X		
100% Safe toolbox talks / briefings			X	

3.24. Noise

If work environments are likely to exceed occupational action levels specific noise assessments will be carried out prior to commencement of works.

Potential sources of noise on this project include:

- Excavation works for new and existing drainage including pecking / removal of the existing tarmac surface.
- Creation of new / temporary door openings

3.25. Occupational health monitoring and surveillance

Requirements for occupational health monitoring will be assessed on a task specific basis and in line with the Morgan Sindall company policies process, standards and guidance. Risk assessments may identify circumstances when additional health surveillance is required (unless already identified by existing legislation).

3.26. Permits to work

The use and issue of permits shall be in accordance with Morgan Sindall permit to work systems and contract specific requirements.

Risk assessments will identify operations or areas where permits to work are required as part of the control procedure. Only qualified and competent persons are to operate and be employed on 'permit to work' systems. These include for this project:

- Permit to break ground
- Permit to lift
- Hot works operations
- Entry into confined space
- Work on isolated electrical equipment
- General permit (eg roof access / work in occupied premises)
- Use of ladders and step ladders.

3.27. Personal Protective Equipment (PPE)

Morgan Sindall will supply to and ensure the use of PPE by all employees and visitors. Contractors will be required to supply PPE to their own personnel to the minimum requirement noted:

- Safety helmet
- Light eye protection (LEP)
- Gloves
- Safety footwear
- Hi vis coat, jacket or vest (where there are plant movements or as directed by the project manager)

The issue of PPE will be recorded.

Other PPE required will be specified in activity RAMS, the use of activity specific PPE will be monitored by the relevant supervisor, ensuring its suitability in use, maintenance and fit.

3.28. Piling operations

Piling operations by an approved contractor must be managed in line with Morgan Sindall company policies, process, standards and guidance.

3.29. Pressurised systems

Pressurised system can contain potential energy that may be released under certain conditions. When working on pressurised systems specific risk assessments and precautions will be taken.

3.30. Road works

All road works will be carried out in line with current legislation and where applicable "The Traffic Signs Manual Chapter 8".

3.31. Safety training

Specific health and safety training will be identified in the contract specific training and competence plan.

Where required, site supervision will arrange for safety training associated with specific tasks such as abrasive wheel training. Records of all task specific training whether delivered on or off site will be recorded.

The project manager will ensure that BuildUK standards of competence for persons employed on Morgan Sindall projects are achieved, ie working towards 100% CSCS or equivalent.

3.32. Scaffolding

The project team will ensure that scaffold is erected in accordance with BS EN 12811, the CDM regulations 2015, National Access and Scaffolding Confederation (NASC) Guidance SG4:22, company standards and temporary works requirement.

3.33. Site office safety

A contract specific risk assessment for the site office and welfare facilities will be carried out. This will identify any specific hazards and controls to be adopted at that location. The PM STD 08 site establishment and welfare will be in accordance with the Morgan Sindall minimum standards document in the IMS.

3.34. Site security

Security arrangements which require consideration, include but not limited to:

- Site boundary
- Compound
- Offices
- Plant / equipment
- Building under construction
- Children / public
- Trespassers

The contract specific arrangements are:-

- Secured site welfare
- Heras fencing
- Solid hoarding
- Locked building during the construction
- CCTV to be installed to monitor the front entrance of the project and the vehicular route in for the hospital

3.35. Smoking

Morgan Sindall does not allow smoking in any building or vehicle. Dedicated smoking areas on this project include:

- A designated smoking area will be provided on site if acceptable to the NHS Trust. Otherwise site personell will leave the NHS Trust premsises.

3.36. Statutory notices

Morgan Sindall will obtain the F10 notification from the client.

The contract manager will arrange for a copy of the following to be posted on site notice boards.

- F10 notification to HSE
- Health and safety law - what you should know poster
- Employers liability insurance certificate
- Fire action notice
- First aid notice
- Site specific safety rules.

3.37. Steel erection

Steel erection will be carried out by a specialist contractor approved via our contractor approval process and will be subject to an acceptable RAMS and to proper supervision and control.

3.38. Temporary works

Temporary works will be co-ordinated by an appointed Temporary Works Co-ordinator (TWC) who will be responsible for ensuring that the planning, erection, use, maintenance and dismantling of temporary works is undertaken in line with Morgan Sindall temporary works process and as agreed with the relevant Temporary Works Manager (TWM). A temporary works schedule produced at tender stage will be reviewed and updated at regular intervals.

Details shall be listed in the appropriate method statements.

A detailed RAMS including calculations and designs, and pre and post loading checks will form the control measures for all defined temporary works which are required for the execution of permanent works or temporary structures ie not directly connected with the permanent works.

3.39. Traffic management

All areas of work that involve vehicle movements and the interface with personnel will have a Traffic Management Plan (TMP) (Appendix F). The TMP will be managed by an appointed person who will act as the Traffic Management Co-ordinator (TMC).

The site layout will be planned to provide safe segregation between plant, vehicles and pedestrians wherever practical. The reversing of site plant, vans and lorries will be avoided if possible but where this is necessary will be under the supervision of a vehicle banksman / controller.
Car parking arrangements and access routes will be clearly identified in the plan. Particular consideration will be given to the delivery, loading and offloading of materials.

Visitors, public protection and interface with others

Measures will be developed as required to ensure the protection of the public / client staff which will be continually reviewed as work progresses. Security and public protection will be achieved as follows:

- Hoarding and signage in accordance with client / Morgan Sindall standard requirements
- Traffic management 'best practice'
- Security arrangements.
    - CCTV for surveillance of the project. These will be based externally.
    - Site signage

3.40. Welfare and first aid

Morgan Sindall will provide welfare and first aid that exceed the minimum standards of welfare set by legislation in line with IMS standards and guidance.

Welfare facility	Quantity	Type / comments					
Offices	1	Desk space for 1 Site Manager					
Drying room	1						
Lockers		Exact quantity to be determined on site					
Toilets – male	4	Toilets	4	Sinks	3	Urinals	3
Toilets – female	1	Toilets	1	Sinks	1	Sanitary disposal	1
Showers	0	(please refer to SH GUID1 Occupational Health Hazards and Risk Guidance and SH REG FRM19)					
Canteen unit	1						
Hot water for washing hands	2	(hot running water from day one)					
Drinking water supply	2	2no water coolers (1 in office, 1 in canteen) including cups					
Means of boiling water	2	2no kettles (1 in office, 1 in canteen) including mugs					
Facilities for warming food	2	2no microwaves (1 in office, 1 in canteen)					
LEP cleaning station	2	1no (1 in office, 1 in canteen – Light Eye Protection- LEP)					
Hand care station	1	1 in Ground floor (including sun screen)					
Other							

Morgan Sindall will ensure that adequate numbers of first aid trained personnel and first aid kits are available at:

- All site locations
- In vehicles where this has been identified as necessary or good practice
- In strategic locations within office setups.

Facility	Size / quantity	Facility	Size / quality
First aid boxes	1 no (20 person)	Eye washes	1no (double kit)
First aiders	Charlie Culver	Dowsing shower	0
Appointed persons		Stretcher	0
First aid room	0	Other - state	defribrilator not required as within close proximity to NHS A&E / Hospital environement

Posters are displayed stating location of first aid boxes, first aiders, appointed persons and action to be taken in case of an incident.

First aiders	
Name	**Certificate expiry date**
Charlie Culver	11/1/25
James Ramsden	31/01/25

3.41. Working at height

Morgan Sindall will ensure that all areas that can be deemed as working at height have a suitable risk assessment and method statement in place. Working at height may include working from platforms, structures and/or above excavations, shafts, manholes and voids.

Preventing falls of persons

When planning work at height activities Morgan Sindall will ensure that the hierarchy for work at height is followed. Work at height will be avoided where reasonably practicable, and where unavoidable, equipment and fall prevention systems that provide the highest level of collective protection will be considered in preference to those that provide individual protection or that minimise the consequences of a fall.

Preventing dropped objects

The Morgan Sindall Dropped Objects Manager's Guide must be consulted when selecting control measures for preventing dropped objects. This guide highlights the importance of implementing a hierarchy when selecting control measures and using full height containment in preference to management arrangements.

Please detail below the project's strategy for preventing falls of persons and objects. The below table has been populated with some of the key work at height hazards, please develop this further specific to your project's requirements.

Example

Hazard	***Arrangements***
Slab Edges	*Full height containment will be used on the east and north elevations until the block and render façade has been completed. Local containment will remain in place where window openings are present.* *1600mm high edge protection will be installed on west and south elevations to permit the installation of SFS framing system, however any work within two metres of the edge protection will require tool tethers and exclusion zones will be in place at ground level at all times.* *The west elevation is also in close proximity to the projects boundary so containment nets will be used to prevent objects falling into public areas.*

Hazard	**Arrangements**
Roof work	
Work to parapets	
Façade work	
Excavation Edges	*Stepped foundation (800x800mm) inline with Morgan Sindall Engineering services Temporary Works Design Brief and requirements to be adopted at all times. Secure hoarding line and barriers to be adopted and used to prevent falls from height.*
Leading edge work	Suitable stop blocks will be used to ensure vehicles are a set distance from the soakaway excavation, and will be supported by a TW2 to MSES. The excavation sides will be stepped to create a safe working environment, with a ramp for plant and steps for operatives for access and egress.
Scaffolding installation	
Tower crane erection	N/A
Mast climbers/cradles	N/A
Protection of the public	The site will have vehicular gates to the front of the site, with a facial recognition turnstile system which only operates with MSC inducted subcontractors. Construction site signage is to be employed outside of the main site entrance, and x2no banksman/traffic marshals/ gatemen to be in full view at all times due to site deliveries. All deliveris will be

	booked in via MSITE 48 hours in advance to limit disruption by un scheduled deliveries.
Ground works	Ground works to only take place following Part A of the permit to dig/break ground and is issued by the Buried Services coordinator of Morgan Sindall. When all known/unknown services are located/exposed (Referring to the PAS 128 Survey) will then Part B be issued to excavate. Vac Ex is to be employed/considered in the first instance where live services are known. When working near electrical services flame retardant overalls must be worn by operatives.
UKPN	Existing UKPN HV cable is shown on the PAS 128 survey, crossing the path of the new soakaway drainage run. This will be adequately located, exposed and safely managed by the site team utilising PART A of the break ground permit. Due to this area of works within the blue light zone, this work will be phased, completing one section and then moving on to the next.

Selecting low-level access equipment
When selecting low-level access equipment, it is essential that safest possible equipment is selected taking into account:

- Height to be accessed
- Type of work being undertaken (heavy/light duty)
- Location of the work (internal/external)
- Duration of the work
- Space restrictions

The below hierarchy is the order in which equipment must be considered, only using a lower level where use of a higher level is not possible or reasonably practicable.

1. 'Safe Stand' Type Platforms
2. Powered Low level Access (MEWPs), Pop-Ups and Push around Verticals (PAVs)
3. Podiums and platforms with handrails
4. Mobile Towers
5. Hop-Ups
6. Platform Step Ladders
7. Step Ladders
8. Stilts

3.42. Working near railways
When working near or in the vicinity of railways Morgan Sindall will adopt the processes and guidance within the rail section of the IMS.

3.43. Working over or adjacent to water
Any work over or adjacent to a body of water (e.g. river, stream, reservoir, pond, estuary or sea) will be subject to specific risk assessment and in accordance with IMS standards and guidance.

3.44. Work station (computer) assessments
Individuals working regularly with computers will be required to carry out an on-line assessment to ensure that posture and vision are not impaired by long-term use. This assessment will not be available for site audit. Contact the SHEQ department for further information.

Appendix A Project specific health and safety objectives and targets

Objectives / targets	Control	Action / responsibility
Complete the construction of the project on time and within budget.	Programme/ Progress meetings/ general communication	MSC Site Team
Achieve Perfect Delivery and Exceptional Customer Experience KPI's	On time/ Safely/ Building good relations with the client	MSC Site Team
Develop a strong Safety, Health and Environmental culture with project staff and supply chain	Work as a team/Collaborative working/ Listen/ Safety briefings	MSC Site Team
Register the site with the Considerate Constructors Scheme (CCS) and abide by their code of practice scoring >42	Work as a team/Collaborative working/ Listen/ Safety briefings	MSC Site Team
Complete and review and implement the Customer Charter in line with client	Complete and review and implement the Customer Charter in line with client	MSC Site Team
Undertake interim and final customer experience questionnaires	Undertake interim and final customer experience questionnaires	MSC Site Team
Continue to facilitate collaborative workshops to ensure strong client/contractor relationships	Continue to facilitate collaborative workshops to ensure strong client/contractor relationships	MSC Site Team
Random checks to be made to POWRA and workshops to be held with Supervisors on how they should be completed correctly	POWRA workshop to be given to all supervisors to ensure they understand how to correctly complete the POWRA document	MSC Site Team
Mental health awareness seminar to be carried out for all operatives	Organise a mental health awareness seminar	MSC Site Team
Implement 4Projects work flows to ensure good quality control over drawing issues and changes	4Projects is the main document control system. Training can be offered by MS Document controller were required	MSC Site Team
Ensure a robust quality plan is in place with subcontractors providing IT&P's before they commence on site	All contractors (Risk specific) to supply their quality plan and ITP at the H&S and quality prestart.	MSC Site Team
Maintain regular communication with both the client and the end user via weekly catch up meetings and monthly reviews.	Organise weekly client meetings into the diary	MSC Site Team
Ensure KPI's are met and HUB/SIMS kept up to date	Review KPIs regularly and complete actions to meet	MSC Site Team
Engage with the school and the pupils to leave a positive impression of Morgan Sindall and the construction industry	Complete social value activities	MSC Site Team
Key subcontractors to provide at least 1 example of good practice	Promote good practice on site (environmentally or health and safety) introduce Positive Intervention scheme and have a QR code available	MSC Site Team

Social value of 5% of the contract value in line with SCAPE framework requirements	Engage with social value manager regular to ensure project SV requirements are achieved.	MSC Site Team

Appendix B Project risk assessment summary

Prepared in conjunction with the pre-construction information pack, risk register and other relevant information. The RAMS identified below may be prepared during the contract period.		Hazards			Risk assessment required			Method statement required		
Ref	**Trade / activity**	**Safety**	**Health**	**Environment**	**Y**	**N**	**N/A**	**Y**	**N**	**N/A**
1	Site establishment	x	x	x	x			X		
2	Temporary hoarding / fencing	x	x		x			X		
3	Demolition (general)	x	x	x	x			X		
4	Demolition (asbestos removal)	x	x	x	x			X		
5	Existing buildings adjacent to works	x	x	x	x			X		
6	Overhead services / obstructions									
7	Underground services	x			x			X		
8	Piling	x	x	x	x			X		
9	Excavations	X	x	x	x			X		
10	Haul road crossings on site									
11	Bulk earthwork									
12	Reduced level dig / imported fill	x	x	x	x			X		
13	Contaminated ground									
14	Environmental issues (Pollution/Nuisance)			x	x			X		
15	Working on public roads									
16	Working over / adjacent to water									
17	Working over / adjacent to railways									
18	Concrete works and reinforcement	x	x	x	x			X		
19	Concrete repairs and finishings	x	x		x			x		
20	Pre-cast concrete construction									
21	Scaffolding	x	x		x			X		
22	Erection of structures	x	X		x			X		
23	Steel erection	x			x			X		
24	Welding and burning of steelwork									
25	Roofwork and working near openings in floors	x	x		x			X		
26	Infilling floor openings									
27	Roofwork (flat roofs)									
28	Roof structures (plates, trusses, timber)	X	x		x			X		
29	Roof coverings (felt / baten / tile)									
30	External cladding (including glazing)									
31	Rain water goods									
32	Lifting operations	x			x			X		
33	Manual handling	x	x		x			X		
34	Site plant movements	x		x	x			X		
35	Tools (electric / pneumatic / cartridge)	x	x		x			X		
36	Confined spaces									
37	Night working									
38	Bitumen waterproofing									
39	Highly flammable materials	x			x			X		
40	Installation of fire protection coatings (board)	x	x		x			X		
41	Installation of fire protection coatings (spray)	x	x	x	x			X		
42	Lift installation									

43	Electrical / mechanical services	x	x		x			X		
44	Plumbing works	x	x		x			X		
45	Carpentry / joinery	x	x		x			X		
46	Plastering/ rendering	x	x		x			X		
47	Ceiling fixing	x	x		x			X		
48	Floor and wall tiling	x	x		x			X		
49	Painting and decorating	x	x	x	x			X		
50	Nuclear densometers, thermal welders and lancers, high pressure (HP) water jetting									
51	Use of lasers									
52	Arc welding									
53	Radiography									
54	Commissioning plant	x		x	x			X		
55	Paving slabs, block paving, kerbs, edgings	x	x		x			X		
56	Roads / paths surfacing									
57	Fencing (permanent)	x	x	X	x			X		
58	Landscaping	x	x	x	x			X		
59	Tree surgery / use of chainsaws	x		x	x			X		
60	Fire prevention on site	x		x	x			X		
61	Fire prevention in offices	x		x	x			X		
62	Work in offices	x	x		x			X		
63	Young persons	x	X		x			X		
64	Cable pulling	x	X		x			X		
65	Working in chemical / radioactive situations									
66	Brickwork and blockwork	x	X		x			X		
67	Cleaning / builders clean	x	X		X			X		
68	Use of ladders	x			X			X		
69	Lead burning / plumbing									
70	Use of mobile elevating working platforms	x			x			X		
71	Unloading of vehicles	x	X	x	X			X		
72	Use of stepladders	x			x			X		
73	Traffic management	X		x	X			X		

Appendix C SHE RAMS schedule / evaluation template

NB This document to be retained and maintained up to date in site file 6. For the purposes of the initial acceptance of the SHE plan by the client, it is acceptable to include only the earliest packages and those relating to site set up, fencing etc. The live document will be updated and retained in SHE file 6 and not in the SHE plan.

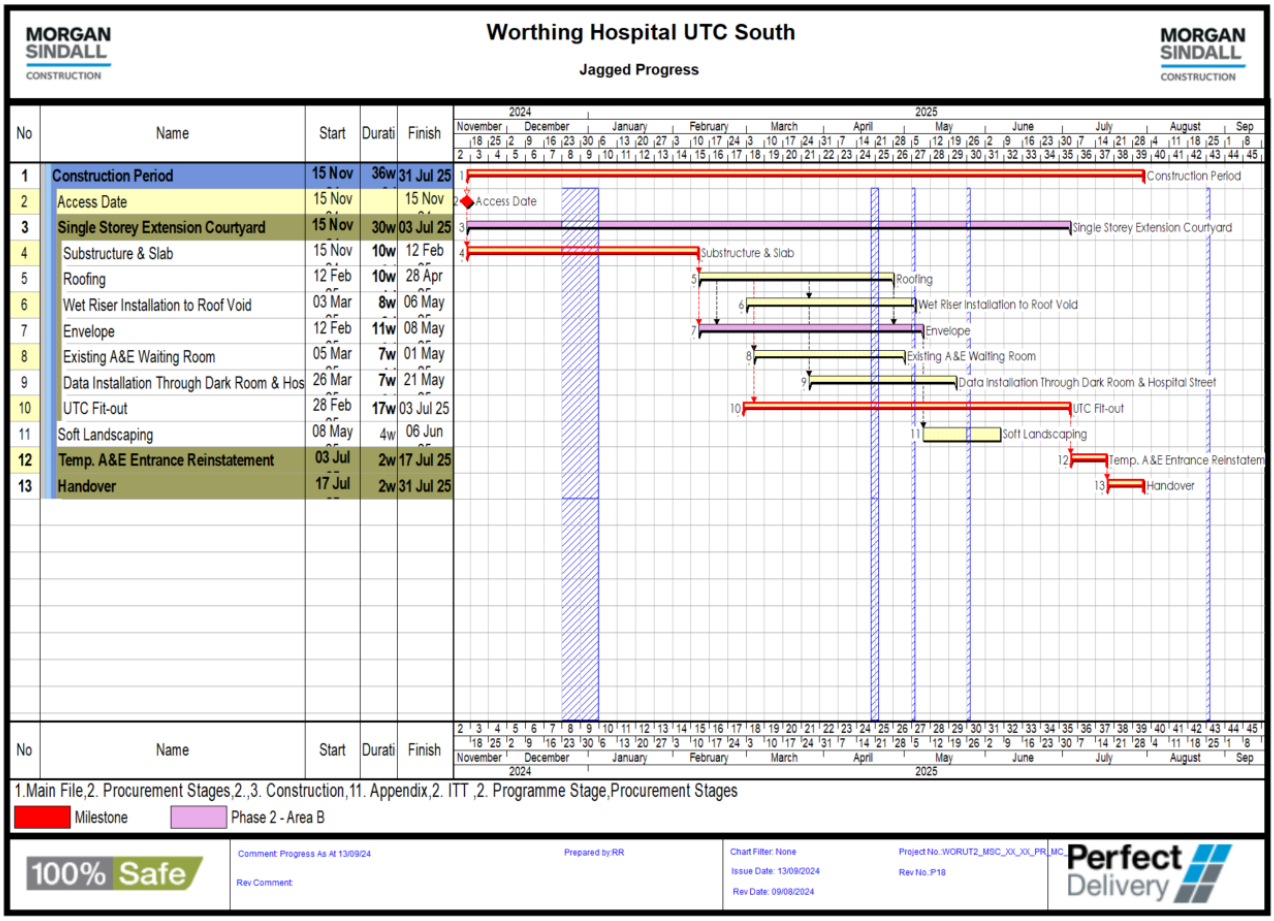
SHE RAMS schedule / evaluation

The initial risk assessment is compiled in accordance with the programme of works. In the left hand column list those activities that will take place in the order that they appear on the programme.

Activity programme items to be listed below	Safety / health / environment		Assessment by*			Date required	Date prepared / received on site	Accepted by (name and date)	Remarks / revision no.
	Risk assessment	Method statement	MS	S/C	N/A				
Site security	x		X						
Key operatives undertakings	x	x	X						
Site office operations	x		X						
Site accommodation establishment	x	x	X						
Temporary M&E Installation	x	x		X					
Fencing and Hoarding	x	x		X					
Pigeon Quano Cleaning	x	x		X					
Crane Activities	x	x		X					
Strip out and Demolition	x	x		X					
Ground Works/Slab Works	x	x		X					
Scaffold	x	x		X					
Mechanical	x	x		X					
Electrical	x	x		X					
Steelwork (Openings)	x	x		X					
Fire Stopping	x	x		x					
Drylining, T&J, Ceilings	x	x		x					
Screeding	x	x		X					
Carpentry	x	x		X					
Decorations	x	x		X					
Flooring	x	x		x					

Any activity that has a significant risk shall have a risk assessment accepted prior to work starting.

Appendix D Construction programme



Appendix E - Construction Phase Pre-start Fire Risk Assessment Checklist

Refer to Morgan Sindall Fire Safety Standard (SHE 8 STD 01) for guidance if required.

NOTE: High risk projects include; High Rise, Timber Frame, Occupied premises *(hospitals, schools, care home & re-cladding projects)*

Responsible Person: James Ramsden															
Type of project	**High Rise**		**Timber frame**		**Refurb**		**Re-cladding**		**Steel Frame**		**RC Frame**		**Traditional**		
	Modular		**Demolition**												

Site Accommodation – Initial site set-up	**Yes**	**No**	**N/A**	**Actions**	**Owner**
Location of Oasis units (including contractor cabins) should be located no closer than 6m from any structure.	X			Units to be located at 6M distance for enabling phase.	C.Culver
Smoke Detection and break glass call point ordered for Oasis unit	X			Wernick Hire as standard	C.Culver
Foam & CO2 ordered for Oasis Unit	X			Will be present at Oasis unit entrance	C.Culver
Dry Powder extinguishers and spill kit ordered for refuelling area	X			As above	C.Culver
Fire Assembly Point identified *(update location as necessary in line with project)*	X			Muster Point signage to be instlled as per plan	C.Culver
Occupying permanent buildings? Arrangements made for checking: A) Emergency lighting B) Fire alarm system C) Fire doors D) Means of escape E) Compartmentation where required			X		
EV charging area requirements to include: A) Charging area located in the open B) Sufficient space for other vehicles manoeuvring safely C) Located 10m from any combustible/flammable storage areas D) Located 10m from any building under construction/refurbishment E) Charging bay signage requested F) Charging points protected from impact G) Emergency isolation switch provided, located away from the charging area			X		

Site Accommodation – Main set-up	**Yes**	**No**	**N/A**	**Actions**	**Owner**
Fire rated cabins requested for location 6 metres or closer from any structure. This includes contractor cabins.			X		
Fire rated cabins requested when closer than 20m for timber frame projects			X		
Site welfare inside building under construction/refurbishment compliant with section 13.9 JCOP requirements			X		
Two means of escape provided from each level of site accommodation			X		
Smoke detection ordered for A) offices B) Changing facilities C) Knowledge quad	X			Wernnick Hire included in order	C.Culver
Heat detection ordered for kitchen areas	X			As Above. Canteen area only.	C.Culver
Fire alarm system arranged to be linked to M-site			X	External / Groundworks phase only.	C.Culver
Fire Alarm system required to be linked to an alarm receiving centre when no security presence is in place.			X		
Arrangements made for SMS notifications on fire alarm system			X		
Break glass call point arranged for each floor level			X		
Foam and C02 extinguisher and stand arranged for each floor level			X		
Lith Ex extinguisher arranged for battery charging area			X		
Emergency lighting arranged internally and on access stairs			X		
On site security arranged & SIA approved contractor			X		
Portable appliance testing arranged	X			Minor office equipment only requires testing.	C.Culver
No deep fat fryers will be used in all site accommodation	X			Will not be used	C.Culver
Construction Site					
Design fire safety information regarding combustible materials has been reviewed & omitted where possible.	**X**				**James Ramsden**
Timber frame off-site FRA has been undertaken at design stage and shared with construction team			**X**		
Temporary fire evacuation strategy and plans arranged & printed for fire points (A3 Size)	X			X2 FP's	C.Culver
Fire information box for fire brigade use requested			X		
At least two means of escape are provided *(unless design dictates otherwise)*	X			As per site logistics and fire plan	C.Culver

Sufficient fire detection arranged in line with temporary fire strategy	X				
Arrangements in place for temporary impairment of existing fire alarm or sprinkler systems in occupied buildings			X		
Alarm call points arranged in line with temporary evacuation strategy	X				
Fire stands and boxes arranged as appropriate	X				
Foam & CO2 extinguishers arranged for internal areas	X				
Dry Powder arranged for refuelling areas	X				
Emergency lighting considered and arranged accordingly			X		
Adequate directional & exit signage arranged	X				
Areas for the safe storage of combustible materials identified on plan	X			Subcontractor fuel storage area only	C.Culver
Areas for the safe storage of flammable liquids and gases identified on plan			X		
Areas for waste storage areas identified	X				
Covered skips or flame-retardant covers arranged within 3m of any structure or boundary.	X				
Provision for the safe/secure storage of combustible cladding following removal on recladding projects			X		
Have alternative methods been considered to avoid hot works during the project			X		
List all known hot work requirements for the project & outline control measures			X		
Is a thermographic camera likely to be required for the management of hot works			X		
Temporary fire doors for stair cores have been accounted for			X		
Temporary fire stopping arranged for high rise *(Minimum every 5 floors where practicable, 60 minutes fire resistance, integrity & insulation)*			X		
Temporary/permanent fire stopping arranged for occupied areas located adjacent to construction area *(e.g. Hospitals, schools, commercial buildings)*			X		
Wet risers planned to be commissioned at 50 metres *(to be available as dry riser at 11m)*			X		
All dry risers planned to be commissioned at 11 metres			X		
Access for fire appliances will be maintained. *(Must also consider requirements for occupied neighbouring buildings)*			X		
Hydrant water supply is available	X				
Smoking shelter(s) arranged with metal cigarette bin			X		

Fire rated sheeting arranged for public facing areas, & escape routes within 6 metres of any structure & scaffolding					

Management	Name	Position
Fire Coordinator(s) *(At least two people required in most cases)*	Charlie Culver	SM
Fire Marshalls	Charlie Culver	SM

Fire Coordinator/Fire Marshall training completed or arranged	Yes		No		
Fire plan completed & attached:	Yes		No		

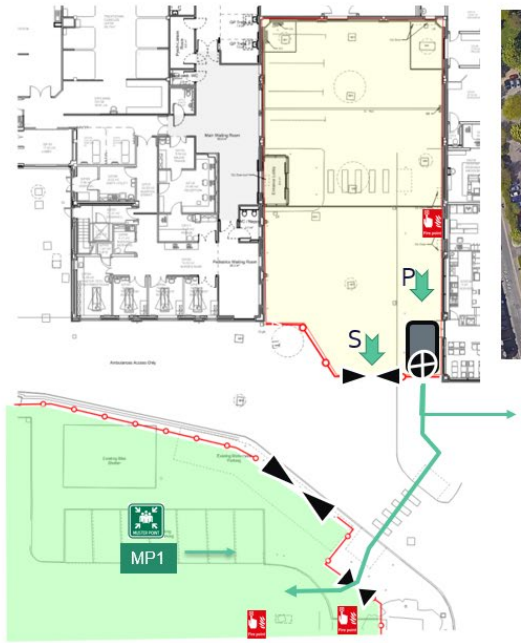
Form completed by:	Charlie Culver
Position:	Site Manager
Date:	1/8/24
Date sent to UK Fire Safety Manager / SHE Manager:	TBS

Appendix F – Project Fire Risk Assessment (FRA)

Dan Martin to visit when site set up

10.1 WOR UTC South – Main Works – Temporary Fire Plan

MORGAN SINDALL CONSTRUCTION





P Primary Route

S Secondary Route

Muster point ½ positions (MP1 At MSC site set up, MP2 Car Park)

Route to muster point

MP1/2

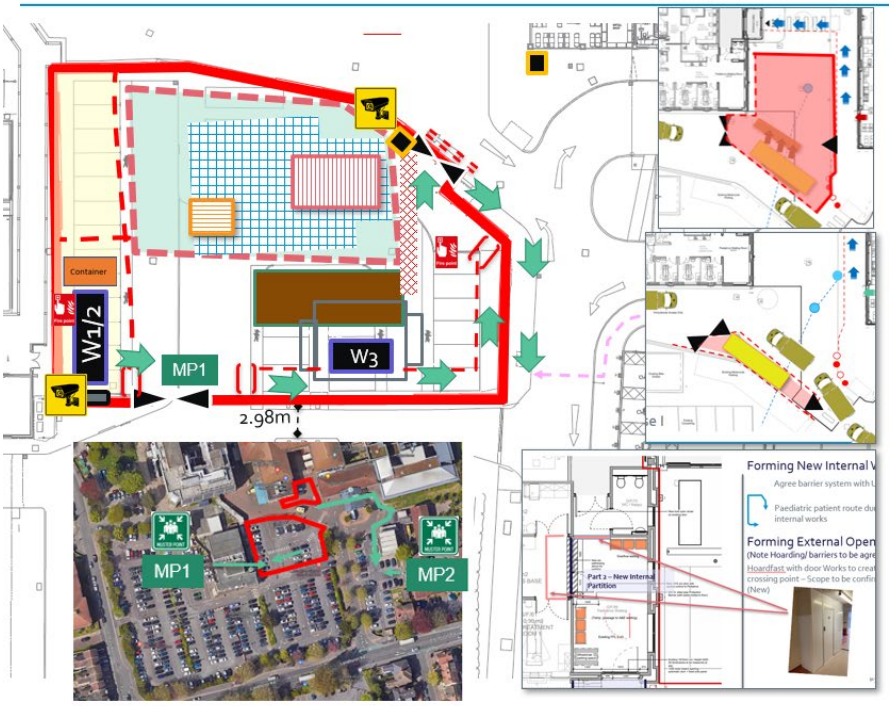
Fire Point (Use the existing fire alarm system with temporary fire points incl. fire extinguishers)

Msite Turnstile

Biosite Fire alarm Panel (Not to be used until new building in place ie steel frame and slab constructed and knock through

10.1 WOR UTC South – Advance Works – Site Fire Plan & Security

MORGAN SINDALL CONSTRUCTION



CCTV Camera positions

Muster point ½ positions (MP1 At MSC site set up, MP2 Car Park)

MP1/2

Route to muster point

Fire Point (Use the existing fire alarm system with temporary fire points incl. fire extinguishers)

Pedestrian Entrance

Biosite Fire alarm Panel (Not to be used on initial enabling works





Body Cameras for Security

Evidence management software and body-worn cameras play a crucial role in the private security sector. Without this footage, many altercations cannot be learned from or result in prosecution. In addition, utilising these systems benefits staff training and captures valuable evidence to reveal the truth.

Body Cameras for Healthcare

Body camera footage has played an essential part in mitigating violent and aggressive incidents in healthcare settings. The Calla front-facing screen is proven to deter aggression, de-escalate situations and provide an independent account of incidents, supporting the public and safeguarding staff.

Appendix G – Emergency Prepardness

1.1. Action in the event of a fall from height

- **Rescue from any working area in height in relation to the building works.** Access and egress will be safely constructed by a ramp for plant and steps for operatives to access the soakaway excavation. Site investigations has taken place with discussions with MSES temporary works engineer that stepped edges is suitable.

- **Rescue from suspension in a safety harness.** There may be instances where the use of fall arrest safety harness systems will be employed. Whilst it is acknowledged that these are a last

resort, second even to restraint systems, there is a likelihood of their use e.g. by scaffolders during scaffold erection / dismantling. Other suspension rescue means will be provided by Morgan Sindall in the form of Mobile Elevating Work Platforms (MEWP) and scaffold towers. The means of proposed rescue will change throughout the project according to activities ongoing at the time but a means of rescue will always be available, with the aim of providing the quickest means possible to eliminate the risk of suspension trauma.

- **Rescue from personnel at height from safety netting.** The rescue provision for safety net containment will be agreed in advance of relevant work at height activities. It will comprise either scaffold tower or MEWP depending on other work requirements and ground / floor surface conditions. In the event that a person in the safety net could not climb out, the net would be cut from beneath whilst avoiding injury to the person in the net, and the person lowered onto the platform beneath.

1.2 Confined space rescue

- Entry into confined spaces would require rescue procedures and equipment and this is a requirement of the Morgan Sindall confined space entry permit. No such permit is to be issued without prior knowledge and involvement of the Morgan Sindall SHE adviser

- All rescue provisions are to be practiced on a basis to be determined subject to SHE adviser guidance.

1.3 Action in the event of a service utility failure

If a service utility (gas, electricity and water) to the building and surrounding area fails, contact the local facilities management and/or service provider as listed at the back of this fire and emergency plan.

1.4 Action in event of a water leak

On discovering a water leak:

1. Discover where the water is coming from

2. If the leak is not serious, place a suitable container to temporarily contain the leak and move or cover any materials, equipment or furniture to minimise water damage. Switch off or otherwise protect any electrical equipment or lighting that may be in danger of getting wet and thus becoming potentially dangerous to life

3. If the leak is serious and there are not visible means of stopping it or turning off the source, take necessary steps to minimise further damage as in step 2

4. Locate and isolate the source of the leak and take such measures as are necessary to contain the leak, or divert it from areas where it might cause damage

5. For mains water leaks on deeds to wash basin taps and Water Closet's (WC's) etc., isolate the supply at the nearest upstream stopcock

6. For hot water leaks, switch off the water heater and isolate the water intake at the upstream isolating stop valve to the water heater

7. For Low Pressure Hot Water (LPHW) or chilled water leaks switch off the pumps and shut isolated valves to the circuit. This has the effect of slowing the rate of water loss.

8. For sprinkler system leans isolate the nearest stop valve or the main sprinkler control panel

9. CAUTION: LPHW and Chilled Water (ChW) contain chemical inhibitors which may cause skin irritation. If splashed in the eyes – it must be washed out immediately. It may cause inflammation of the eye membranes.

1.5 Action in event of an explosion

In the event of an explosion due to gas leak, volatile fuel leak, (or by a bomb), on site staff should proceed as follows:

1. The responsible person should contact the emergency services – dial 999 or local arrangement. Inform them of a major incident due to explosion within / outside the building

2. South the alarm and evacuate the building / area as quickly as possible

3. Be aware of additional explosions

4. Ensure all access is freely available to emergency rescue services eg digital door lock codes

5. Assess the need for any further action to make the area safe from damaged services

6. Management staff is to inform the local HSE office of major incidents SH PRO 02.

1.6 Action in event of a structural failure

The requirement for action in event of structural failure is dependent on the cause and degree of failure and its effects.

1. In a catastrophic situation, with major structural collapse and severe damage, injury to public, etc., the worst case needs will be similar to that for an explosion

2. For a minor structural collapse however, the action may be restricted to cordoning off the area from the public until the structure is made safe

3. Project management staff and security staff must assess the needs according to the arrangements and act accordingly

4. Project management staff: inform the local HSE office of all incidents involving structural failure and accidents occurring within a public area, or when persons are injured.

1.7 Action in the event of a spill

Emergency spill response procedure is as follows:

- Stop work immediately and prevent any further spillage
- Eliminate any sources of ignition
- Assess the situation. Ensure that appropriate PPE is worn. Do not put yourself at risk
- Contain the spill has not entered any drains, ditches or watercourses
- Notify you line manager giving the following information:
  - Danger of entering drainage / water
  - Danger of environmental harm
  - Materials involved
  - Location of incident
  - Reason for pollution
  - Quantity involved

A SPILL RESPONSE KIT will be provided and located on your site and in the site compound, as appropriate.

Emergency contacts and telephone numbers

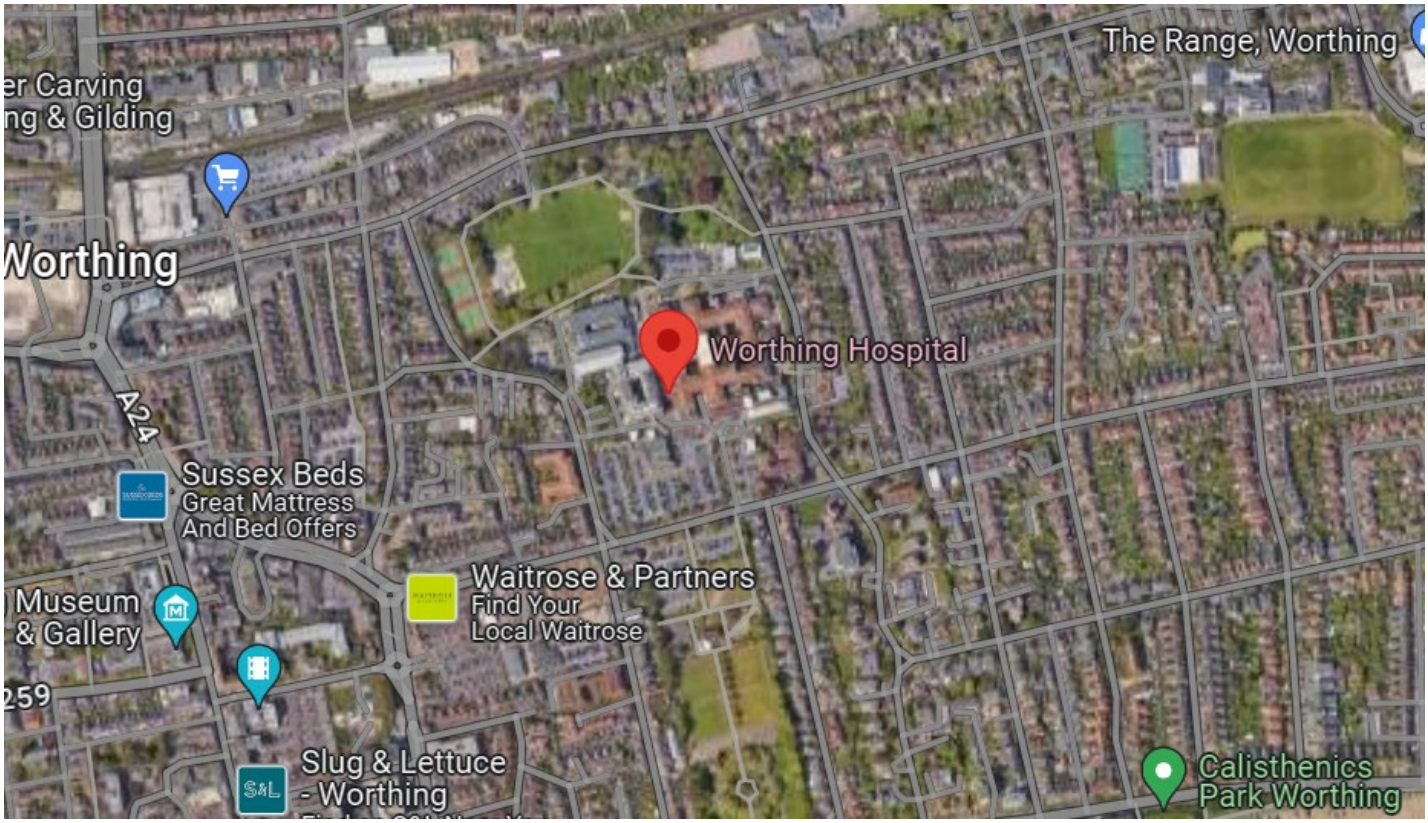
Project:	Worthing UTC				
Address:	Lyndhurst Rd, Worthing			**Post code:**	BN11 2DH
Telephone no.:		**Fax no.:**		**GPS co-ordinates:**	

Name	**Role**	**Contact number**
Morgan Sindall		
Guy Hannell	Regional Managing Director	07880381572
Steve Sear	Contracts / Project Director	07980904460
James Ramsden	Project Manager	07971944700
Charlie Culver	Construction Manager	07973729796
Oteri Maxwell	SHE Adviser	07340491725
Oteri Maxwell	Environment Manager	07340491725
Client		
Enforcing authorities		
HSE	The Council Offices Station Road East Oxted Surrey RH8 0BT	*T:* 0300 003 1747
Environment Agency (EA)	Guildbourne Centre, Chatsworth Rd, Worthing BN11 1LD	*T:* 0370 850 6506
Local authority	*Worthing Borough Council* Town Hall, Chapel Rd, Worthing BN11 1HA	*T:* 01903 239999
Emergency Services		
Fire and rescue service	*Worthing fire and rescue* 57 Ardsheal Rd, Worthing BN14 7RN	*T: 999*
Ambulance service	Worthing Hospital, Lyndhurst Rd, Worthing BN11 2DH	*T: 999*
Hospital (A&E)	Worthing Hospital, Lyndhurst Rd, Worthing BN11 2DH	*T: 999*
Police	Chatsworth House, 21 Chatsworth Rd, Worthing BN11 1LY	T: 999
Other		
Gas	*SGN*	0800 111 999
Electricity	*UKPN*	0800 7 838 838
Water / sewerage	*Southern Water*	0845 7 145 145
Telecom	*BT*	0800 9 173 993
Cable	*TBC*	0800 052 0800
Other *(insert details as relevant)*		

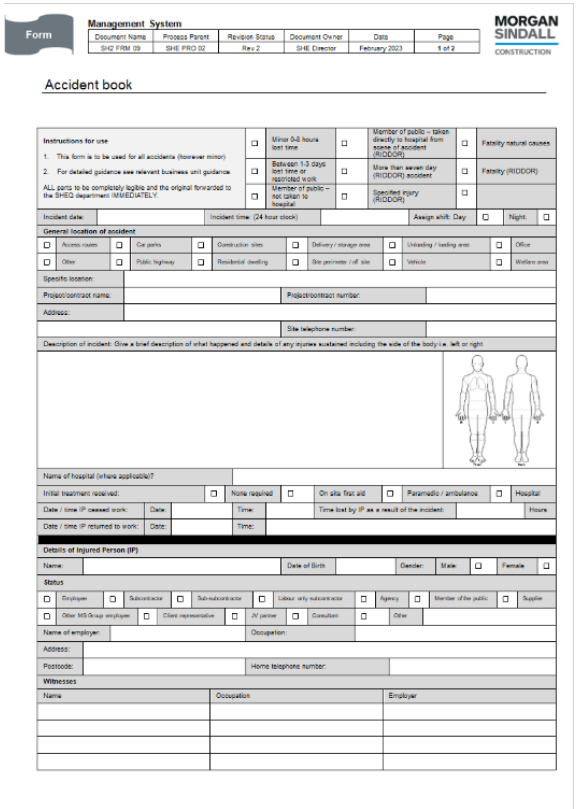
Prompt: To find the nearest A&E go to http://www.nhs.uk/Service-Search/Accident-and-emergency-services/LocationSearch/428 and consider printing off larger maps or directions to hospital and keep in an accessible place (e.g. next to first aid box in the event that someone has to drive to hospital).

Project team emergency procedure

SH PRO 02 Accident and incident investigation and reporting



Ensure the latest document is printed from the Morgan Sindall share point.



Form

Management System

Document Name	Process Parent	Revision Status	Document Owner	Date	Page
SH2 FRM 09	SHE PRO 02	Rev 2	SHE Director	February 2023	1 of 2

MORGAN SINDALL CONSTRUCTION

Accident book

Instructions for use

1. This form is to be used for all accidents (however minor).
2. For detailed guidance see relevant business unit guidance.

ALL parts to be completely legible and the original forwarded to the SHEQ department IMMEDIATELY.

Minor 0-8 hours lost time
Between 1-3 days lost time or restricted work
Member of public – not taken to hospital
Member of public – taken directly to hospital from scene of accident (RIDDOR)
More than seven day (RIDDOR) accident
Specified injury (RIDDOR)
Fatality natural causes
Fatality (RIDDOR)

Incident date:
Incident time: (24 hour clock)
Assign shift: Day
Night

General location of accident

Access routes
Car parks
Construction sites
Delivery / storage area
Unloading / loading area
Office
Other
Public highway
Residential dwelling
Site perimeter / off site
Vehicle
Welfare area

Specific location:
Project/contract name:
Project/contract number:
Address:
Site telephone number:

Description of incident: Give a brief description of what happened and details of any injuries sustained including the side of the body i.e. left or right

Name of hospital (where applicable)?

Initial treatment received:
None required
On site first aid
Paramedic / ambulance
Hospital

Date / time IP ceased work:
Date:
Time:
Time lost by IP as a result of the incident:
Hours

Date / time IP returned to work:
Date:
Time:

Details of injured Person (IP)

Name:
Date of Birth
Gender:
Male
Female

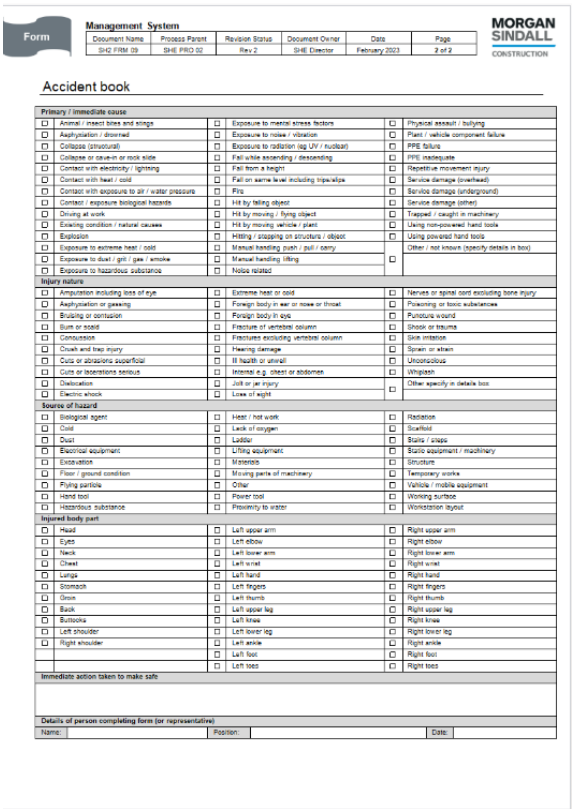
Status

Employee
Subcontractor
Sub-subcontractor
Labour only subcontractor
Agency
Member of the public
Supplier
Other MS Group employee
Client representative
JV partner
Consultant
Other

Name of employer:
Occupation:
Address:
Postcode:
Home telephone number:

Witnesses

Name	Occupation	Employer



Form

Management System

Document Name	Process Parent	Revision Status	Document Owner	Date	Page
SH2 FRM 09	SHE PRO 02	Rev 2	SHE Director	February 2023	2 of 2

MORGAN SINDALL CONSTRUCTION

Accident book

Primary / immediate cause

Animal / insect bites and stings	Exposure to mental stress factors	Physical assault / bullying
Asphyxiation / drowned	Exposure to noise / vibration	Plant / vehicle component failure
Collapse (structural)	Exposure to radiation (eg UV / nuclear)	PPE failure
Collapse or cave-in or rock slide	Fall while ascending / descending	PPE inadequate
Contact with electricity / lightning	Fall from a height	Repetitive movement injury
Contact with heat / cold	Fall on same level including trips/slips	Service damage (overhead)
Contact with exposure to air / water pressure	Fire	Service damage (underground)
Contact / exposure biological hazards	Hit by falling object	Service damage (other)
Driving at work	Hit by moving / flying object	Trapped / caught in machinery
Existing condition / natural causes	Hit by moving vehicle / plant	Using non-powered hand tools
Explosion	Hitting / stepping on structure / object	Using powered hand tools
Exposure to extreme heat / cold	Manual handling push / pull / carry	Other / not known (specify details in box)
Exposure to dust / grit / gas / smoke	Manual handling lifting	
Exposure to hazardous substances	Noise related	

Injury nature

Amputation including loss of eye	Extreme heat or cold	Nerves or spinal cord excluding bone injury
Asphyxiation or gassing	Foreign body in ear or nose or throat	Poisoning or toxic substances
Bruising or contusion	Foreign body in eye	Puncture wound
Burn or scald	Fracture of vertebral column	Shock or trauma
Concussion	Fractures excluding vertebral column	Skin irritation
Crush and trap injury	Hearing damage	Sprain or strain
Cuts or abrasions superficial	Ill health or unwell	Unconscious
Cuts or lacerations serious	Internal e.g. chest or abdomen	Whiplash
Dislocation	Jolt or jar injury	Other specify in details box
Electric shock	Loss of sight	

Source of hazard

Biological agent	Heat / hot work	Radiation
Cold	Lack of oxygen	Scaffold
Dust	Ladder	Stairs / steps
Electrical equipment	Lifting equipment	Static equipment / machinery
Explosion	Materials	Structure
Floor / ground condition	Moving parts of machinery	Temporary works
Flying particle	Other	Vehicle / mobile equipment
Hand tool	Power tool	Working surface
Hazardous substance	Proximity to water	Workstation layout

Injured body part

Head	Left upper arm	Right upper arm
Eyes	Left elbow	Right elbow
Neck	Left lower arm	Right lower arm
Chest	Left wrist	Right wrist
Lungs	Left hand	Right hand
Stomach	Left fingers	Right fingers
Groin	Left thumb	Right thumb
Back	Left upper leg	Right upper leg
Buttocks	Left knee	Right knee
Left shoulder	Left lower leg	Right lower leg
Right shoulder	Left ankle	Right ankle
	Left foot	Right foot
	Left toes	Right toes

Immediate action taken to make safe

Details of person completing form (or representative)

Name:
Position:
Date:

Appendix H Traffic Management Plan (TMP)

1. Introduction

This plan describes the access / egress arrangements for vehicles and pedestrians onto the Morgan sindall worthing hospital development for the movement of vehicles in and around site and the offloading of stores and materials. The plan will be regularly reviewed and revised to allow for the development of the site and the environment. This will be done by the manager with the responsibility for logistics with assistance from the project manager and project safety advisor

2. Site description

The extent of the site is within Worthing hospital, with the Main works proceeding following the successful completion fo the advance soakaway works. The site is situated in an open courtyard sandwiched between the ED Department on the left and the Main Hospital entrance and amenities on ther right. The project welfare will be located opposite the sitelocated in the main Hospital car park. The main road to the site, is off Lyndhurst road.

The works are planned to be completed in one continuous visit and will include both a new single storey build and some small adaptations to the existing space connecting onto. The works and the access arrangements will need to consider at all times the Blue light road with ambulances accessing the ED along with foot traffic for patients accessing the ED via the temporary entyrance which will be constructed as part of the advance works.

The site is located within a busy hospital, with pedestrians using the main access route by foot or by car to enter the hospital. This is the same route Morgan sindall will be utilising so all deliveries for the project will need to be closely managed to ensure the members of the public are kept safe when access/leaving the site, and also to ensure the main route into the hospital does not get congested by construction traffic. All the activities will be managed by an appointed site traffic marshal. The site will be fully secured using fencing/hoarding to protect the public from the works. See below map showing the extent of the site.



3. Safe workplaces

A. Pedestrians and vehicle separation

There will be pedestrian only areas on site which will be segregated from the site traffic. These routes can be seen on the traffic management plan and Logistics plan. There will also be vehicle only areas which will again be shown on the traffic management and logistics plan. Signage will be installed to these areas with agree crossing points installed where they are required. All vehicles will be banked by traffic marshals.

B. Loading / off loading and storage areas

There will be specific unloading areas on site to avoid double handling of materials and all deliveries will be managed using an online booking system. Morgan Sindall with have a gateman on site to manage the deliveries when they get to site. All deliveries or collections will be pre booked to avoid unnecessary vehicle or vehicles arriving at peak pedestrian times

C. public protection

The gateman will ensure that the access is clear for the deliveries to enter site and manage the public whilst the deliveries come off the road and into the site area. Access points to site will be clearly marked out to make the public aware

D. Information

Gateman will meet drivers and give all required information for the day including a brief delivery drivers' induction. The gateman will take the details of the delivery and let the sub-contractor know they are on site. Any changes to site traffic routes will be communicated during daily supervisor's meetings and by the gateman at arrival.

4. Safe vehicles

a. Vehicle selection

There are currently no restrictions on vehicles that can be used for deliveries at Worthing hospital Artic lorries will need to enter via Gate A / 1

5. Safe driving and working practices

a. Reversing

All deliveries will be banked by a trained and competent banksman when they are reversing,
Due to the nature of the projects existing set up (Car Park), a one-way system will not be able to be utilised.

b. Loads

Any unloading at ground level will be carried out with the aid of a pallet truck. There are currently no provisions for a Telehandler.

c. Drivers / operator

All drivers to demonstrate qualifications and competence of their vehicles prior to the use of Hiab's for example. They will need the relevant CPCS or IPAF card if required.

d. Signallers

Banksmen will be wearing high viz vests and will keep to pedestrian routes. A risk assessment will be completed for this activity. The banksmen will introduce themselves at the site entrance and be wearing orange hard hats and hi vis. They will remain in full view of the operator at all times and be in constant communication either verbally or via radio channels.

6. Managing construction transport – duty holders

There will be a designated traffic marshal on site that will report to the site management team

.

Site layout plan

A site layout plan marked up with traffic routes and key installations is produced and displayed. It is regularly reviewed and forms part of the induction process. The layout will be well presented and easily understood by any persons. If necessary the information below maybe depicted on more than one layout.

5.5 WOR UTC South – Main Works – General Site Logistics

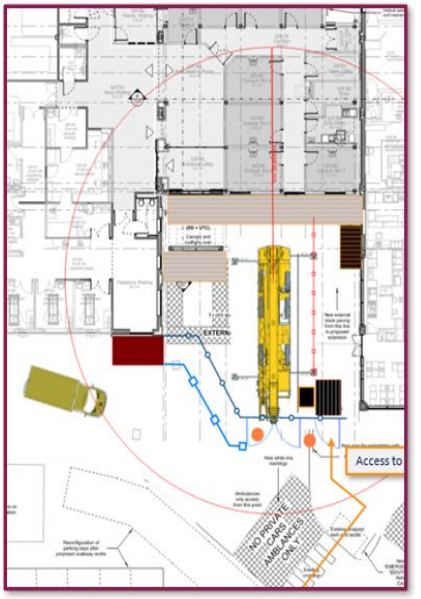
MORGAN SINDALL CONSTRUCTION

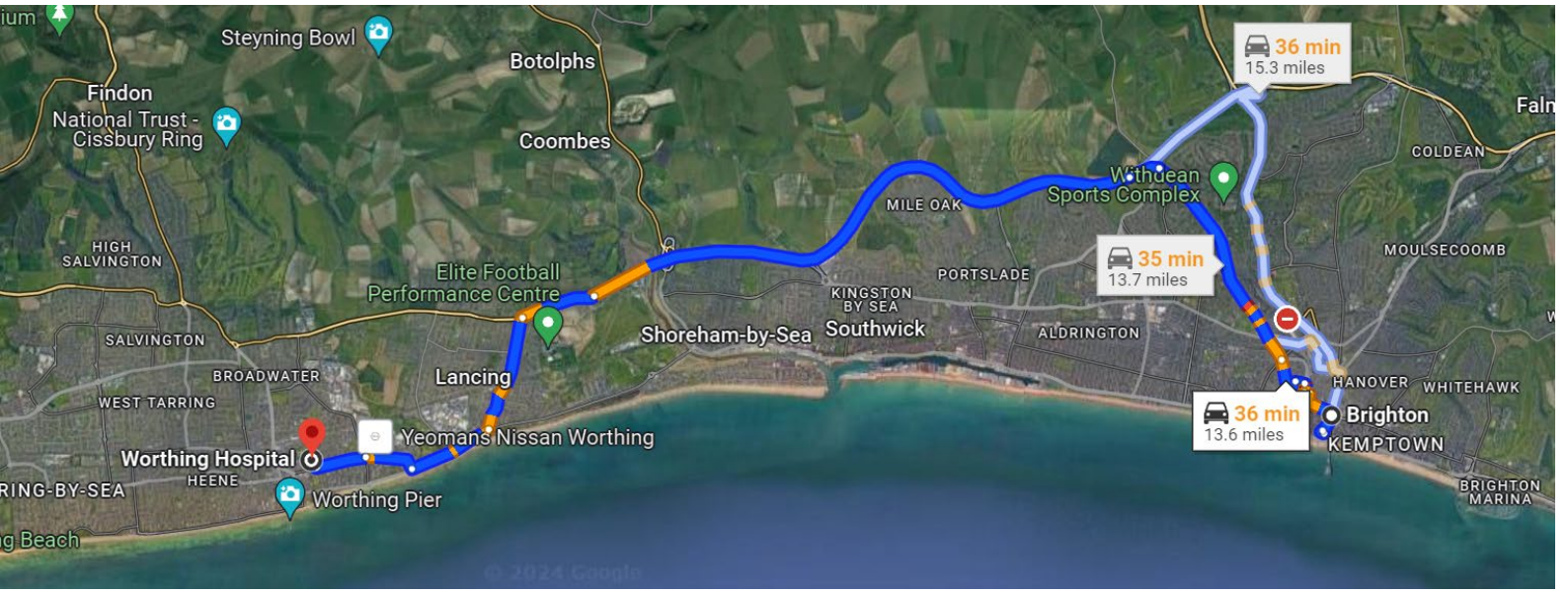
Worthing Hospital - Urgent Treatment Centre



Outline logistics for Main Works

Legend
Description
Gatehut
Laydown, Storage & Plant area
Main Site Accommodation (3 on 3)
Main Site Compound
Materials Hoist (with run off)
Pedestrian Foot Traffic to Hospital
Polyline Sketch to Scale
Site Boundary Red Line
Site Demise
Site Fence
Site Turnstile
Site Vehicle Movement/ traffic
SIte Vehicle Entrance Gate (4m)
Storage/ Stockpiled materials
Temporary ED Entrance
Vehicle Gate
Vehicle Marshall





6. Risk assessment

Summary of control measures to ensure safe site traffic routes should include:

	Vehicle routes	**Pedestrian routes**
Site entrance	Adequate sight lines, signs, maps, security and vehicle management procedures.	Separate entrance point, signs, and instructions.
Parking areas	Separate site vehicle, delivery and worker parking areas. Provide temporary lorry parking / holding area by the site entrance to manage deliveries and allow vehicles to turn away from site if not allowed to enter site.	Provide safe pedestrian routes from parking areas to offices, welfare facilities and workplaces. Provide clear signs and instructions to workers.
Office and welfare facilities	Locate offices and welfare facilities and other areas of frequent pedestrian activity away from primary site traffic routes. Provide signs and pedestrians and vehicle control measures where vehicle routes cross pedestrian routes.	Provide safe pedestrian routes from parking areas to workplaces. Provide clear signs and instructions to pedestrians.
Primary traffic routes	Primary traffic routes should allow the safe passage of site and delivery vehicles away from pedestrian routes. Establish one way systems where possible.	Establish primary pedestrian routes which provide safe access to work areas, away from main vehicle routes where reasonably practicable. Provide physical protection where pedestrians are at risk of being struck by vehicles or their loads. Establish crossing points and pedestrian control measures where necessary.
Secondary traffic routes	Define safe routes for all vehicle operations on site.	Provide protected pedestrian routes in areas where vehicles regularly pass.
Storage areas	Locate storage and loading areas away from areas of frequent pedestrian activity.	Provide separate pedestrian access, clear signs and instructions to workers.
Vehicle facilities	Locate vehicle washing areas, sheeting gantries and weigh bridges off primary vehicle routes.	Provide safe pedestrian access across vehicle routes to all places of work.

Driver / operator rules

12 essential rules to safe use of vehicles

Zero tolerance – your licence to work

1. Used designated turning areas

2. Do not reverse unless absolutely necessary and then only with the assistance of a competent signaller

3. Use visibility devices when manoeuvring e.g. CCTV, mirrors

4. Ensure safe systems of work are followed
   - Use designated reversing areas
   - Fit and use radar proximity devices
   - Maintain communication and visibility with signallers during reversing operations

5. Use warning lights and alarms when reversing

6. Ensure site speed limit is maintained

7. Load and unload vehicles on level ground in areas away from passing traffic, pedestrians and overhead hazards

8. Only operate vehicles if you are competent and authorised to drive them

9. Carry out all daily checks on your vehicle and report defects immediately to your supervisor

10. Follow site procedures and comply with site rules

11. Do not allow passengers to ride on vehicles unless safe seating is provided

12. Ensure loads are safe and secure to transport.

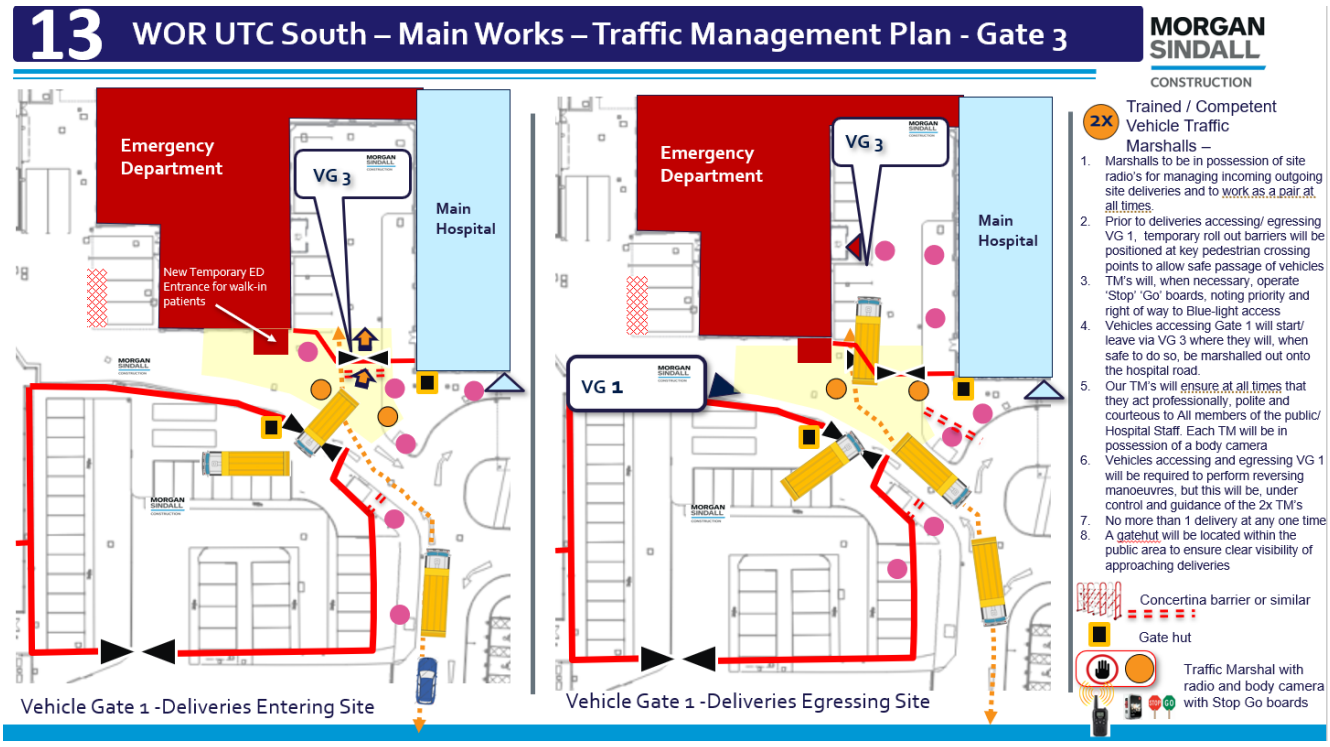
Hazard identification and control measures

Key hazard identified	Significant risk and who may be harmed	Control measures
Restricted site access	Striking pedestrians and operatives.	Establishment of segregated vehicle and pedestrian route onto and off the site. Refer to appendix A.
Restricted road and pedestrian access around the site	Striking site personnel and temporary / permanent structures.	Establishment of segregated vehicle and pedestrian routes around the site. Refer to appendix A Establish warning signs.
Site visitors	Being struck by vehicles.	Establishment of segregated vehicle and pedestrian routes around the site Refer to appendix A. Visitors must wear high visibility garments whilst out on site. All visitors must be accompanied at all times.
Steep gradients	Overturning vehicles – driver/personnel injury.	Select appropriate vehicles for site conditions. Keep gradients to a minimum.
Vehicles reversing in confined areas	Striking site personnel and other vehicles.	Where possible provide one way route through the site to eliminate reversing. Vehicles must have visual warning light on at all times. Vehicles must have audible alarm warning when reversing. Trained banksman must be in attendance.
Vehicles being unloaded adjacent to the site gates	Injury to passing pedestrians.	Temporary road barriers must be erected when gates are left open. Banksman to be in attendance.
Site personnel	Site personnel being struck by vehicles.	Establishment of segregated vehicle and pedestrian routes around the site Refer to appendix A. Pedestrian routes must be identified by blue netting and signage etc. Operatives must wear high visibility garments whilst out on site. All site personnel must undergo a site safety induction before starting on site, which will cover vehicle segregation and site rules.
Vehicles entering and leaving site	Striking pedestrians, site personnel and other vehicles.	Security to control and monitor incoming and outgoing vehicles. All vehicles to be controlled by trained and competent banksmen. Vehicles cross over's to be constructed at all gates. Site hoarding erected around the exposed sections of the project to deny access to the general public.
Vehicles picking up mud on wheels	Leaving mud on the highways causing road traffic accidents and accidents to pedestrians.	Outgoing site vehicles must enter the wheel wash before leaving site. Excessive mud on wheels to be removed by jet wash. Drivers to check wheels for excessive mud before leaving site. Road Sweepers where applicable
Vertical edges	Falling of vehicles and vehicle loads. Injury to site personnel	Road barriers must be installed to vertical edge. Timber baulks to be positioned at least 1m back from edge. Earth berms. Controlled speed limit.
Concrete pumps overturning	Injury to pedestrians and site personnel	Ensure all outriggers are positioned correctly.

Obstructions and services	Overturning of vehicles. Damage to installed structure.	Highlight obstructions and services.
Noise and vibration and emissions	Effects on site personnel and pedestrians.	Vehicles to be regularly inspected and maintained.
Drivers lacking competence	Out of control vehicles. Striking site personnel and damage to structures	All site drivers to have a current certificate of training achievement and to be competent. Drivers to receive adequate supervision and monitoring.
Vehicle arrival and departure	Site congestion. Striking site personnel and pedestrians. Causing road traffic accidents. Vehicle drivers being struck by another vehicle or load.	Security to control and monitor incoming and outgoing vehicles. Drivers must wear mandatory PPE when out on site. All drivers to be issued with drivers rules. Refer appendix B.
Key hazard identified	Significant risk and who may be harmed.	Control measures.
Speeding vehicles	Striking pedestrians and other vehicles.	All vehicles to observe the site speed limits. All drivers to be issued with drivers rules. Refer appendix B. Speed humps installed where necessary.
Loading and unloading of vehicles	Striking site personnel.	All loads to be unloaded under the supervision of a trained and competent banksman.
Disruption to the local traffic and highways	Causing congestion and possible road traffic accidents.	Vehicles to use the designated approach roads.
Non site vehicles entering the site	Striking pedestrians, site personnel and other vehicles.	Security to monitor incoming and outgoing vehicles. Signs to be displayed on approach to site roads.

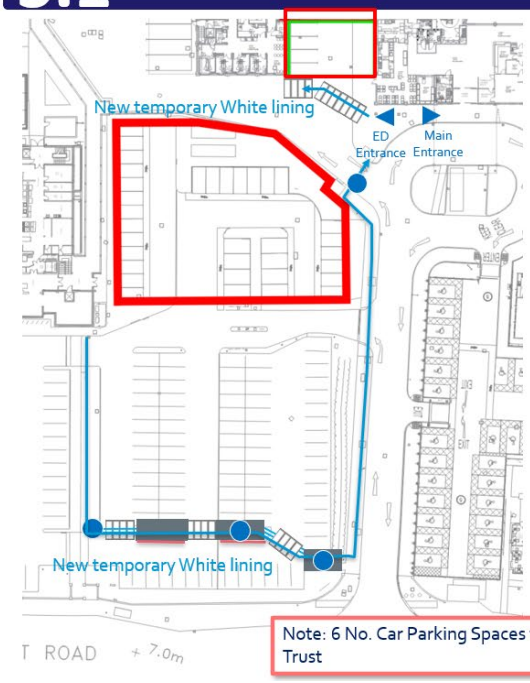
Specific detailed drawings / sketch (marked up Site Traffic Management layouts)





5.1 WOR UTC South – Main Works – Access to Car Park/ Main Entrance/ ED

MORGAN SINDALL CONSTRUCTION



Note: 6 No. Car Parking Spaces to be suspended by Trust

Key

UH Sussex/ Public access maintained

New pedestrian diversion incl. white lining. Crossing point, Car park suspension 3no., new tarmac ramp/ temporary footpath



Example of white lining pedestrian line marking through car park bays
With red & white barriers



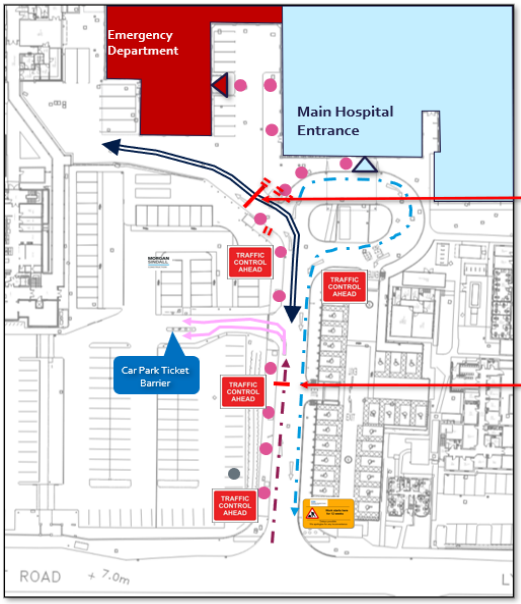
Example of Crossing points between car park bays

Example of footpath diversion signs. CURRENT BEING PROCURED



13 WOR UTC South – Advance Works – Traffic Management Plan Signage

MORGAN SINDALL CONSTRUCTION



CAR PARK - STOP POINT
For staff/ visitors wishing to access the car park

TRAFFIC CONTROL AHEAD

Warning – Traffic Control ahead
Via manually operated Stop & Go Boards

STOP GO



ADVANCE WARNING
for 12 weeks

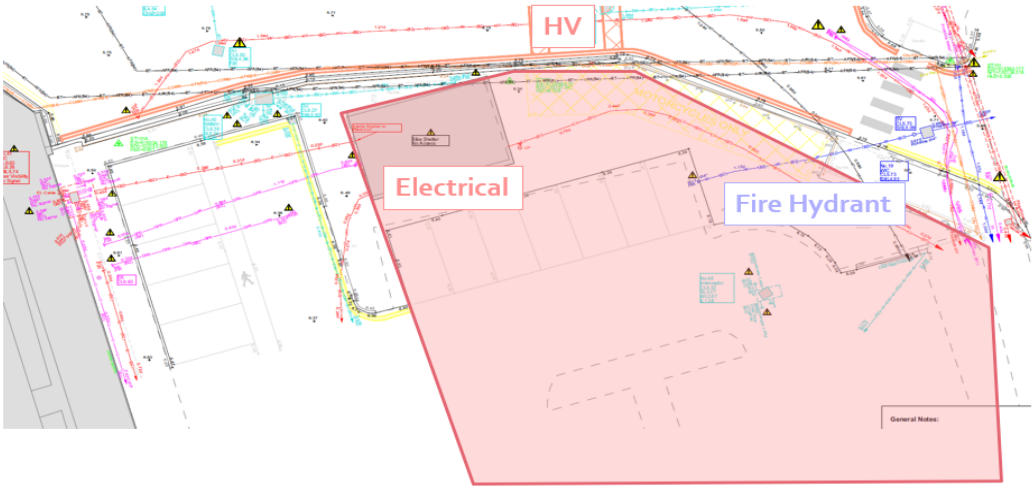
Hospital Work starts here for 12 weeks

Delays to the car park possible
Contact UHS
We apologise for any inconvenience

Appendix I Site service plan

9.4 WOR UTC South – Advance Works – Services to Isolate

MORGAN SINDALL CONSTRUCTION



Services to Isolate

Purpose: This scope of work defines the isolations that are required to support the Advance Enabling Works, moreover the commencement of the soakaway works in advance of the main UTC South Main project works.

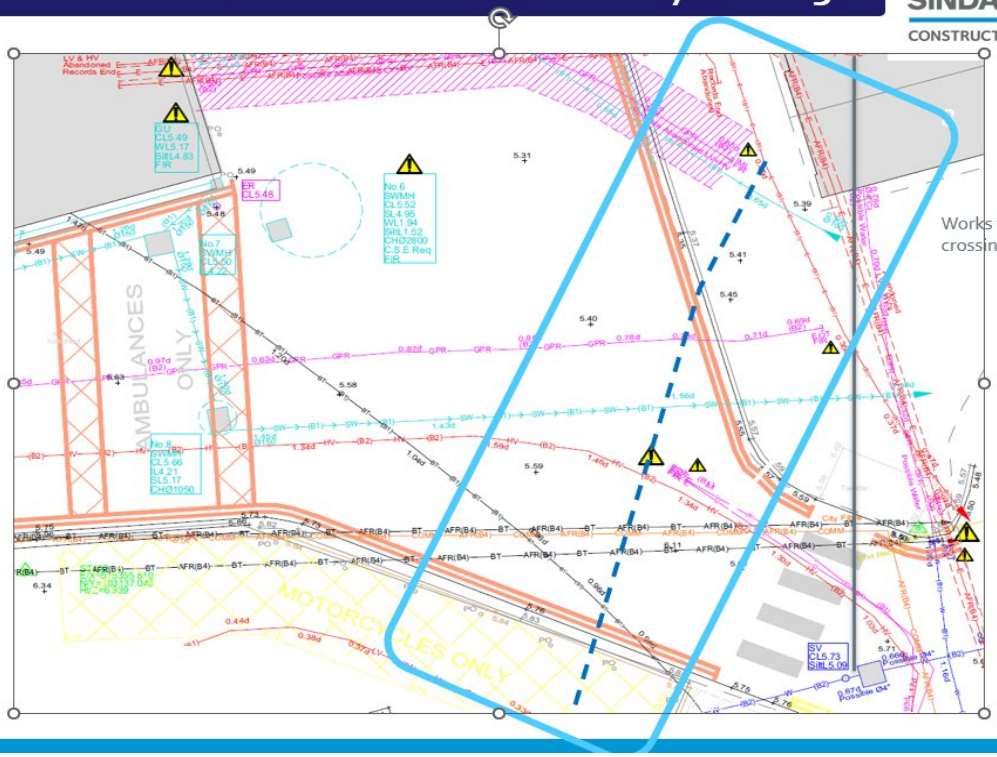
The works will need to be undertaken in parallel with the groundworker

Programme and Timeframe – Commence works beginning of August
The soakaway works will commence 8th August
Scope of Works:
The works will comprise of the following;
1. ***Bicycle Shelter*** - Isolate existing services to cycle shelter (access Control/ CCTV/ power)
Pull back and curl up for re-use at pit/ basement
2. ***Car Park Lamp x2 Post*** Isolate existing services to cycle shelter (access Control/ CCTV/ power)
Pull back and curl up for re-use at pit/ basement
3. ***Fire hydrant Isolate***, strip back, main fire hydrant pipe buried pipe to outside of boundary and to be relocated to original position on completion of soakaway work.
4. *Ticket barrier* - Make an allowance for diverting services to support the continued running of the ticket barrier (Currently awaiting on the completion of the PAS survey)
All works must have ensured a safe system of work and appropriate RAMS has been issued to the Trust for sign off 2 weeks prior to starting

5.3 WOR UTC South – Advance Works – Part II – New Soakaway Drainage

MORGAN SINDALL CONSTRUCTION





Appendix J Project safety and security site rules

Essential rules to maintain safe working

1. Read, understand and follow the task specific method statement. If you cannot work safely, then stop and reassess the risk and adapt the method statement with your supervisor. Remember – no method statement – no work

2. Ladders / step-ladders only to be used where identified by risk assessment and authorised by permit to work

3. Remove waste and any materials not required as work proceeds and at the of every shift

4. 'Permit to work' areas and associated control measures must be strictly adhered to at all times

5. Work at height access equipment to be erected by trained personnel only

6. Maintain clear access / egress routes at all times, do not create slip, trip and fall hazards. Store material and equipment in the agreed allocated areas

7. Electrical plant, hand held tools and leads to be properly tested on a regular basis. Do not use unsafe equipment on site, report any defects and keep leads tidy

8. Safety helmets, high visibility clothing, safety footwear, gloves and light eye protection are mandatory on this site at all times. Additional items of PPE to be carried / used according to risk assessment requirements e.g. goggles, ear protection, mask / respiratory protection.

   The wearing of shorts is not acceptable and a minimum of a short sleeved t-shirt is required beneath high visibility clothing

9. The use of task specific PPE is to be managed and monitored by the relevant supervisors, this includes ensuring selection, user training and ongoing fit. Users of PPE must cooperate with the requirements of their employers RAMS or MSC requirements.

10. User of Respiratory Protection (RPE) must be clean shaven when using tradition RPE which relies on a face seal.

11. Understand the site fire strategy, the interface with adjoining operational areas and the impact your work may have on others

12. Do not smoke other than in designated areas

13. The use or possession of drugs / alcohol on site is strictly prohibited

14. Only operate plant / tools if you are training, competent and authorised to do so

15. Avoid site loading of structures caused by stacking materials against fencing, hoarding and temporary structures such as scaffolds and falsework systems

16. Eating and drinking is not permitted on site areas and must be restricted to the facility provided

17. The use of foul language and threatening behaviour will not be tolerated

18. Mobile phones should not be used whilst operating plant or machinery, and calls should only be taken / made when in a position of safety

19. The use of radios and personal music devices is not permitted.

Construction Logistics & Traffic Management Plan Appendix

Worthing Hospital – Urgent Treatment Centre (UTC)

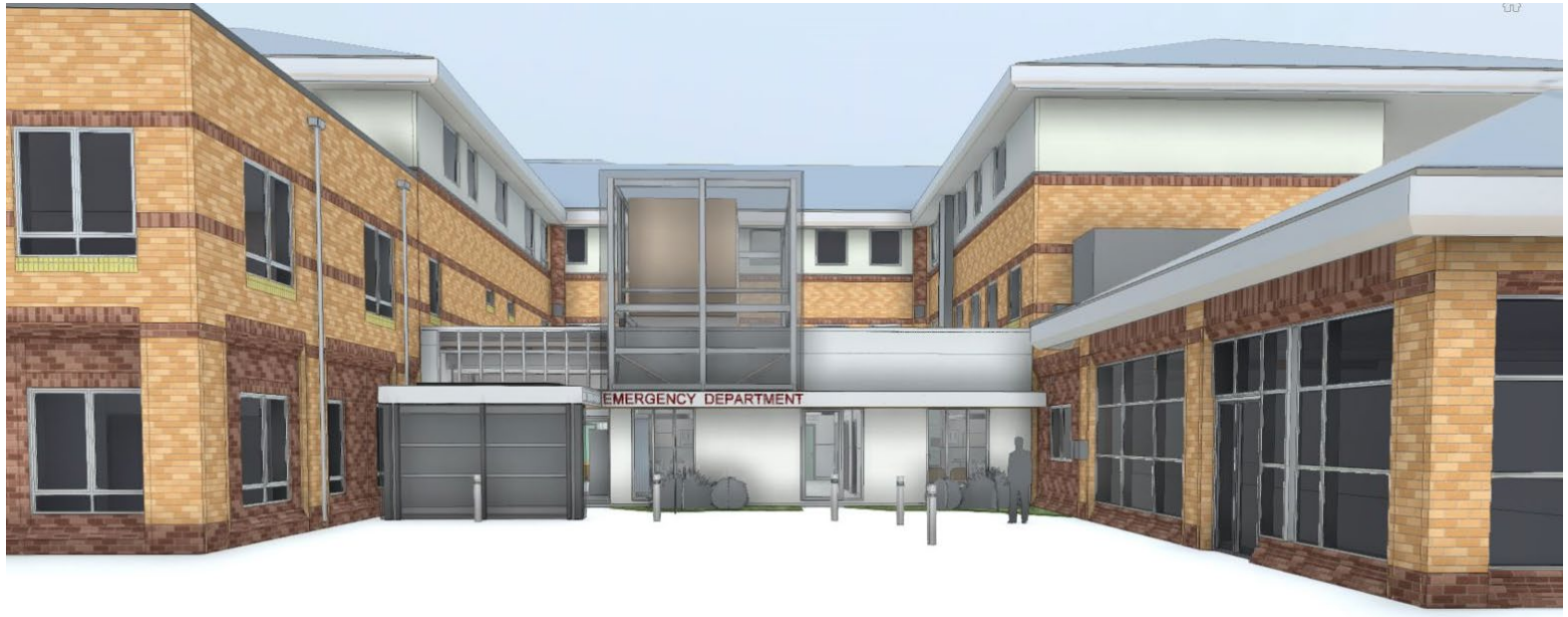
Project Logistics – Main Works

RIBA Stage 4

17th Sep-24

MORGAN SINDALL CONSTRUCTION

NHS University Hospitals Sussex NHS Foundation Trust



No.	Date of Rev	Reason for Update
01	12-Jul-24	1st issue RIBA Stage 3 (BIIAD)
02	13-Sep-24	2nd Issue following Client meeting 11th Sep
03	17-Sep-24	3rd Issue updated to support CMP submission to Planning picking up Crowther's comments

0 WOR UTC South – Main Works – Contents

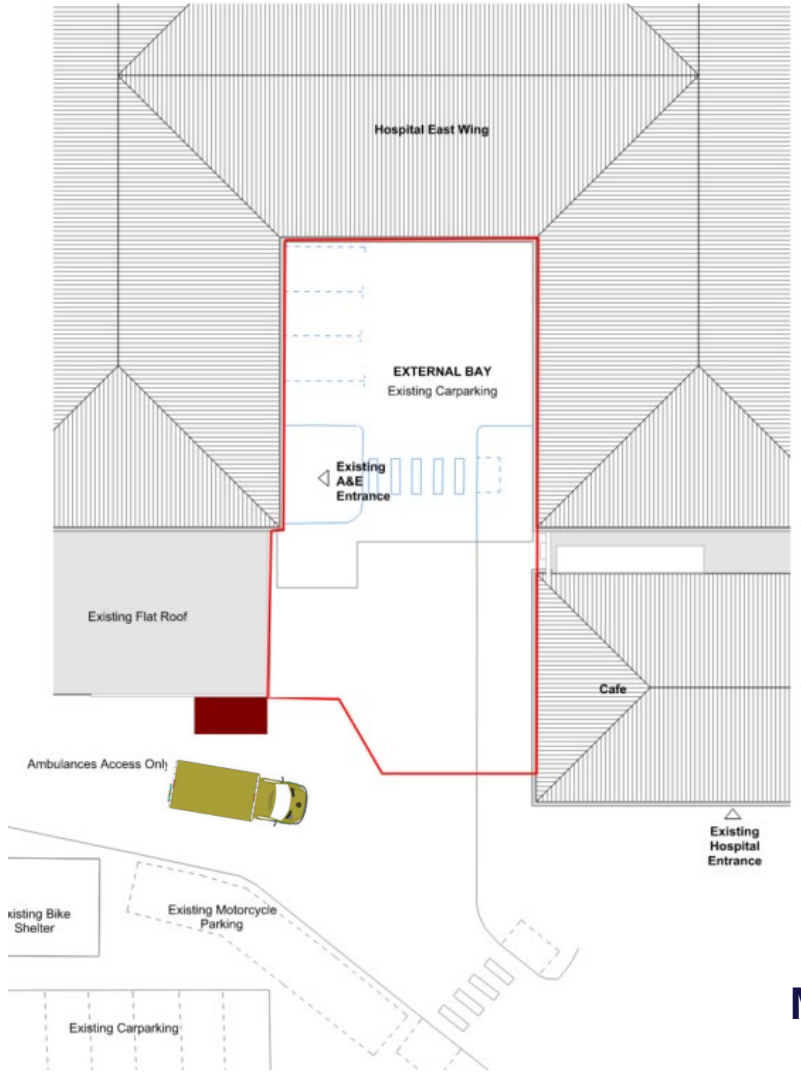
MORGAN SINDALL CONSTRUCTION

1. Site Location Plan
2. Health & Safety Considerations
3. Trust Constraints Plan
4. Existing Site Photographs - removed
5. Main Works – Scope - Site Logistics –
6. Temporary Works
7. Scaffold Proposals
8. Hoarding Plan
9. Temporary Services Plan
10. Site Security & Surveillance
11. Temporary Fire Plan Part I
12. Traffic Management Plan
13. Infection & Control Phasing Plan
14. Site Accommodation Plan
15. Temporary Wayfinding Signage & Surveillance Plan

1 WOR UTC South – Main Works - Site Location Plan

MORGAN SINDALL CONSTRUCTION





Legend	
	Description
	Main Site Compound
	MSC Main Site Set Up
	Site Boundary Red Line
	Site Boundary Red Line
	Site Fence
	Storage
	Temporary ED Entrance

Main Works (Nov-24)

https://goo.gl/maps/bwY7qyfmZXHq5xQ07

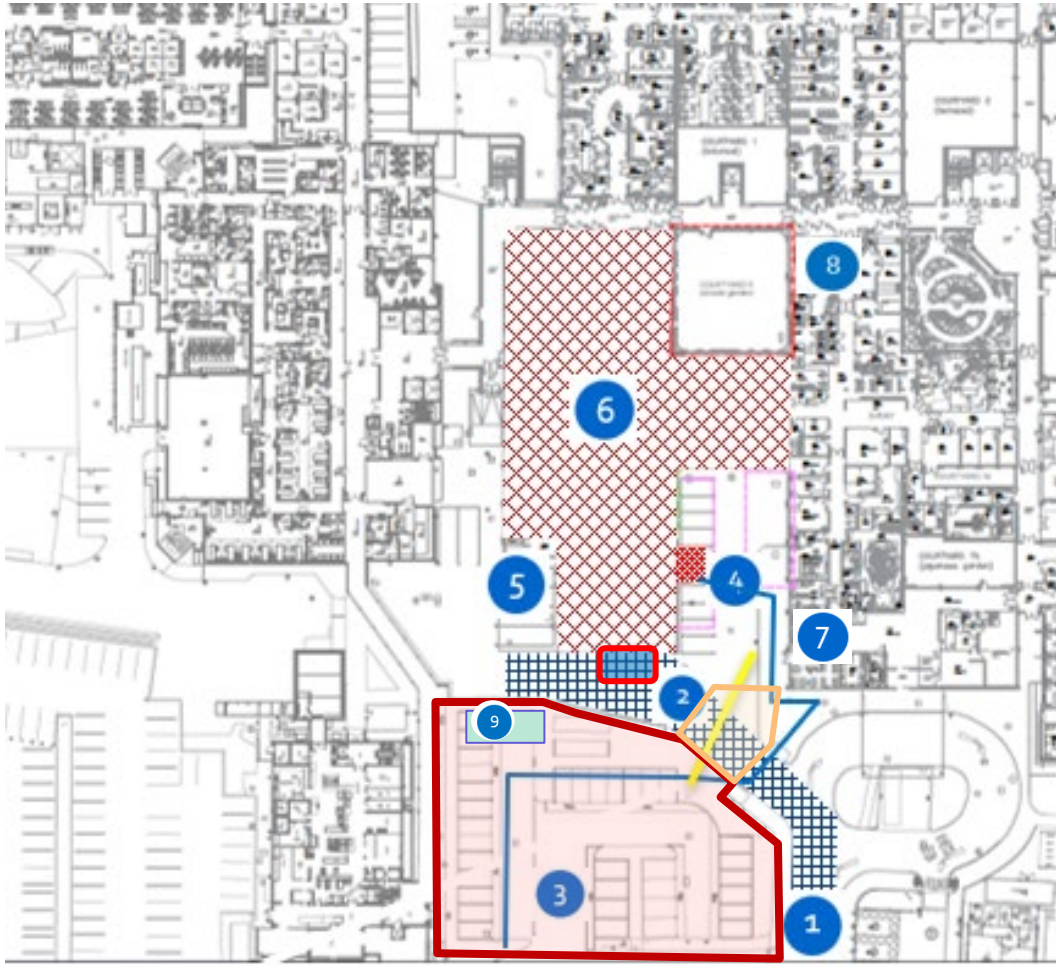
2 WOR UTC South – Main Works – Health & Safety Considerations

MORGAN SINDALL CONSTRUCTION

No.	Risk	Control Measure
1	Hospital / blue-light disruption through material distribution	Agreed logistics route Trained and dedicated personnel to manage the delivery ensuring areas remain clean at all times
2	Fire in a 'Live' Hospital environment	Construction phase fire risk assessment Fire alarm system integrated into hospital with agreed delayed panel
3	Striking 'Live' Services	Service drawing marking up all services with signage and briefings to all personnel. Vac exc for all activities
5	Struck by Moving Plant/ Hospital traffic 'blue light'	Segregated areas, dedicated gateman, planned deliveries and co-ordinated with the Estates
6	Manual Handling	Reduce movements, electric pallet trucks
7	Working at Height	Agree safe system of work with activities planned in advance to support the selection of the most appropriate equipment
8	Disrupting sensitive hospital equipment due to noise & vibration	1 Set up vibration monitoring Trust to confirm sensitivity levels of sensitive equipment
9	Patient/ staff slips trips and falls associated with floor protection	Agreed logistics plan with specific access routes for pedestrian walkways

3 WOR UTC South – Main Works – Trust Constraints

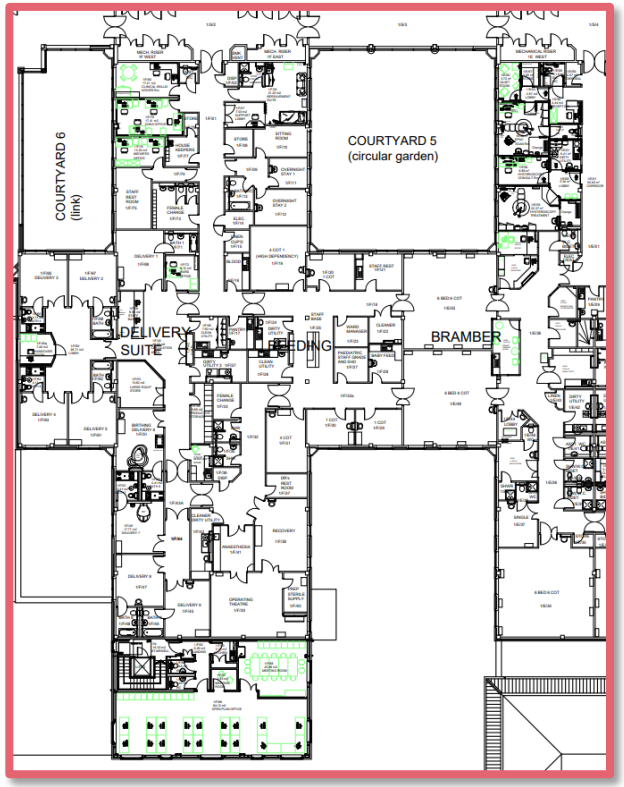
MORGAN SINDALL CONSTRUCTION



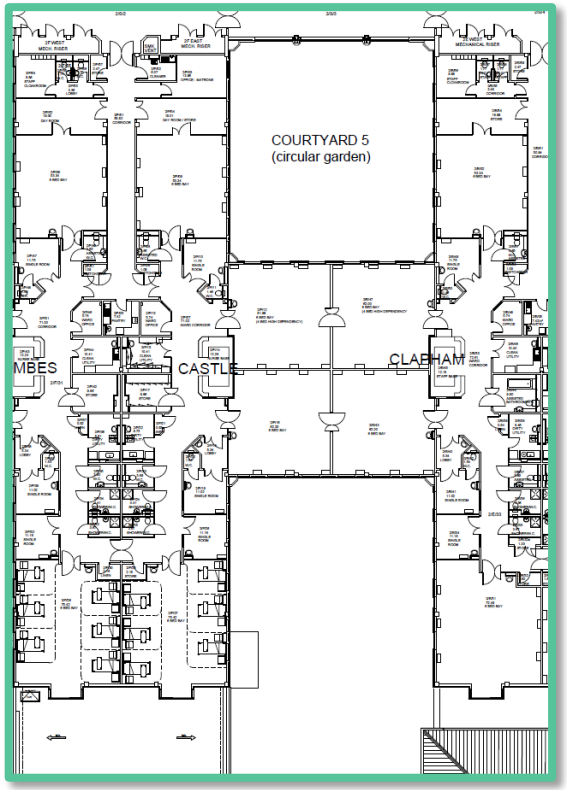
Ground Floor – Emergency Department / Floor

No.	Constraint	Access
1	Blue Light Road	24 Seven
2	Below ground Existing HV Cable (Owner tbc)	
3	Existing foot traffic access route in car park	24 Seven
4	Walk in Access for ED	24 Seven
5	Ambulance Bay	24 Seven
6	Emergency Department	24 Seven
7	Access for deliveries for Costa/ Fire Escape	TBA
8	CT Equipment (Ground Floor)	TBA
9	Maternity/ HDU/ Operating Theatres 1st, 2nd floor	24 Seven
9	Bicycle shed removal only	24 Seven

1. Part I – South Soakaway
2. Part II – New Soakaway Drainage
3. Part III – New Temporary ED Entrance
4. Part IV – Main Site Set Up



1ST Floor – Maternity Delivery Suite

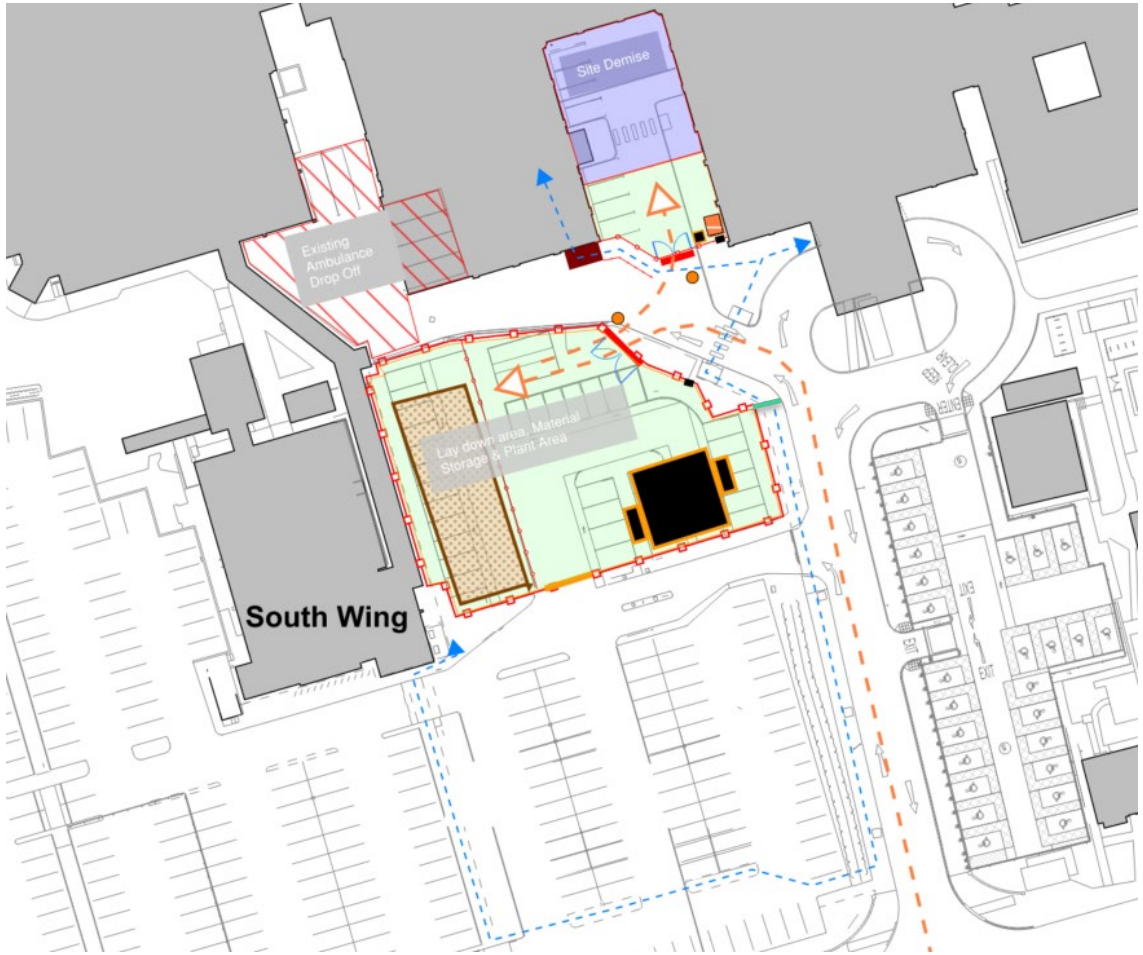


2nd Floor – High Dependency Unit

5.0 WOR UTC South – Main Works – General Site Logistics

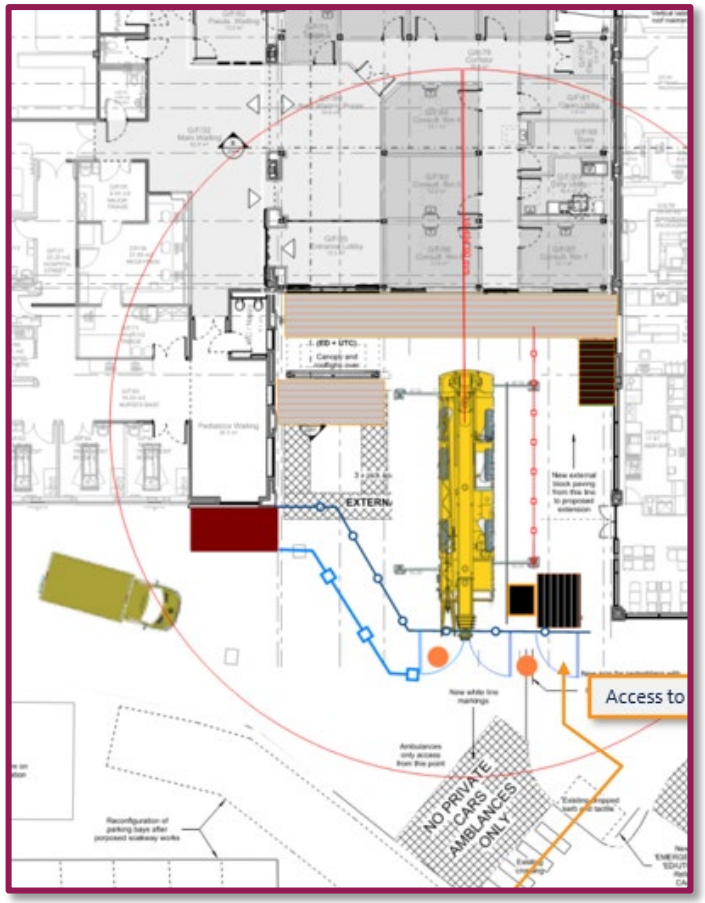
MORGAN SINDALL CONSTRUCTION

Worthing Hospital - Urgent Treatment Centre



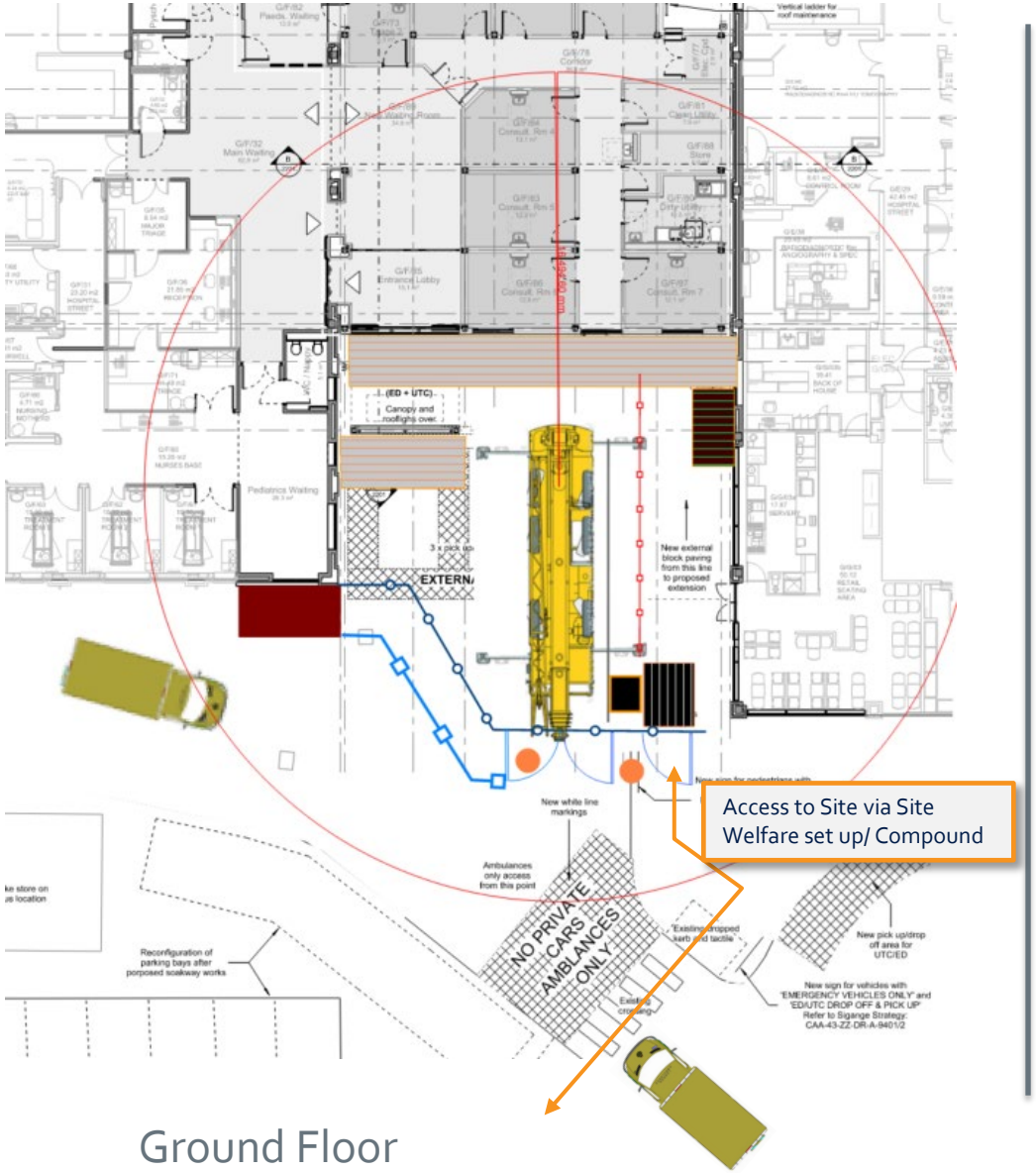
Outline logistics for Main Works

Legend	
	Description
	Gatehut
	Laydown, Storage & Plant area
	Main Site Accommodation (3 on 3)
	Main Site Compound
	Materials Hoist (with run off)
	Pedestrian Foot Traffic to Hospital
	Polyline Sketch to Scale
	Site Boundary Red Line
	Site Demise
	Site Fence
	Site Turnstile
	Site Vehicle Movement/ traffic
	SIte Vehicle Entrance Gate (4m)
	Storage/ Stockpiled materials
	Temporary ED Entrance
	Vehicle Gate
	Vehicle Marshall

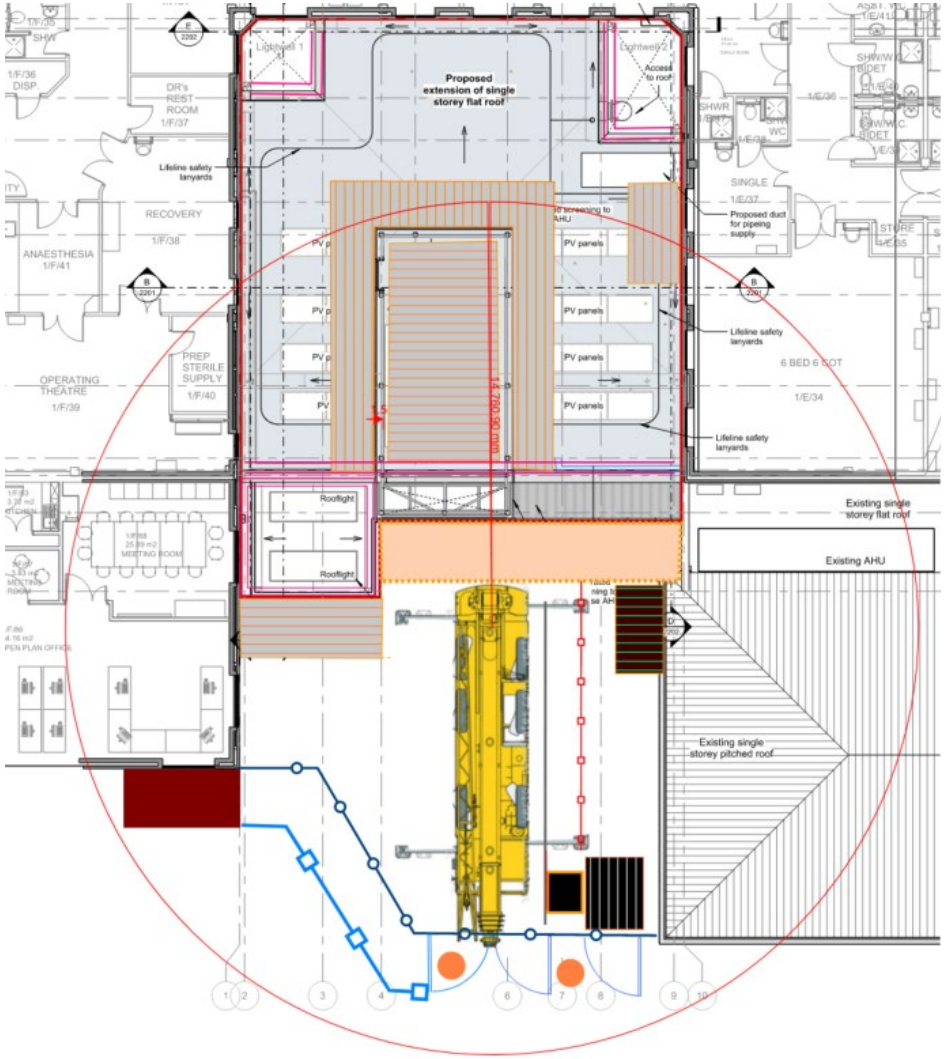


5.1 WOR UTC South – Main Works – General Site Logistics

MORGAN SINDALL CONSTRUCTION

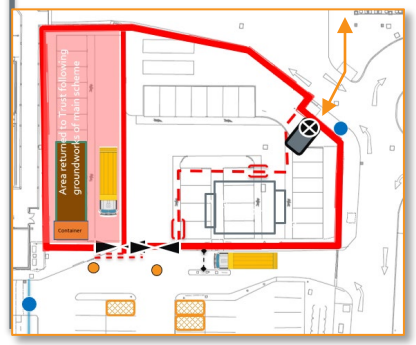


Ground Floor



Roof Level

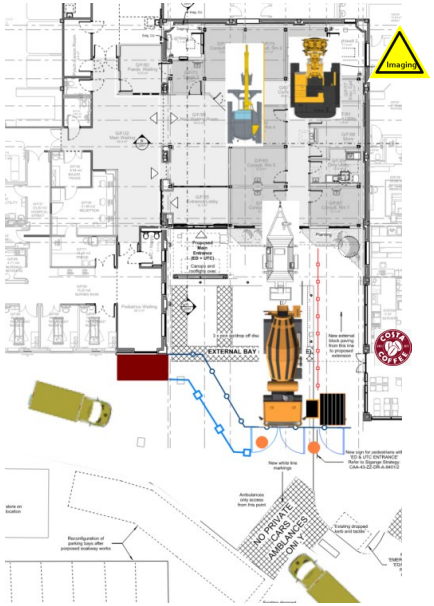
Legend	
	Description
	Crwod Barrier with hooped Pedestrian gates
	Edge Protection Handrail
	Gatehut
	Haki Stair to Roof level
	M Site Turnstile
	Rectangle Sketch to Scale
	Site Entrance Pedestrians
	Site Fence Solid Hoarding
	SIte Vehicle Entrance Gate (4m)
	Temporary ED Entrance
	UHS Pedestrian fencing
	Vehicle Marshall

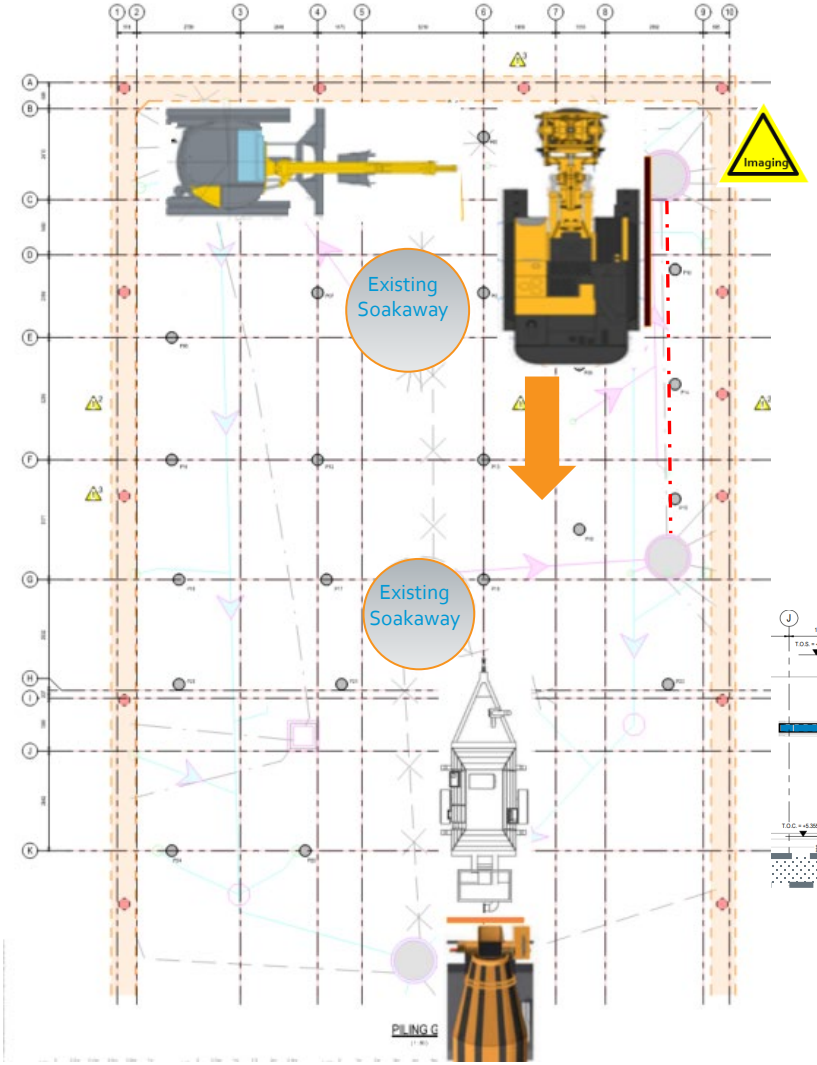


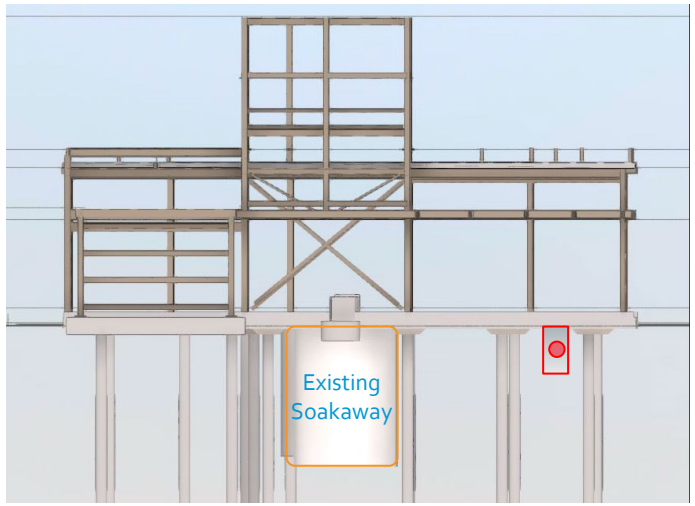
Site Compound

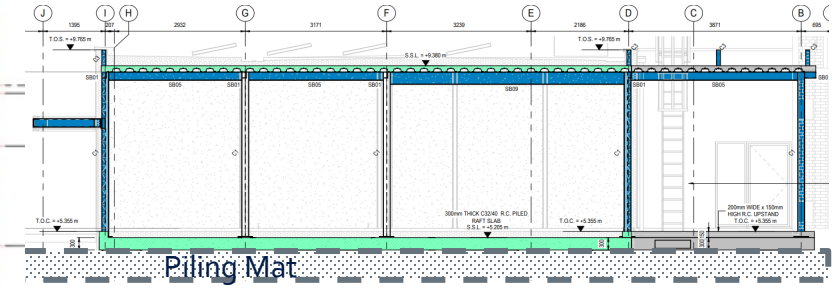
5.2 WOR UTC South – Main Works – Foundations & Groundworks

MORGAN SINDALL CONSTRUCTION









Key Issues

Imaging equipment in adjacent room

Existing foul pipe run close to piles

Costa Coffee – Check entrance

Sequence discussions

Soakaway filling/ new soakaway pipework
TW approval temporary rainwater above ground

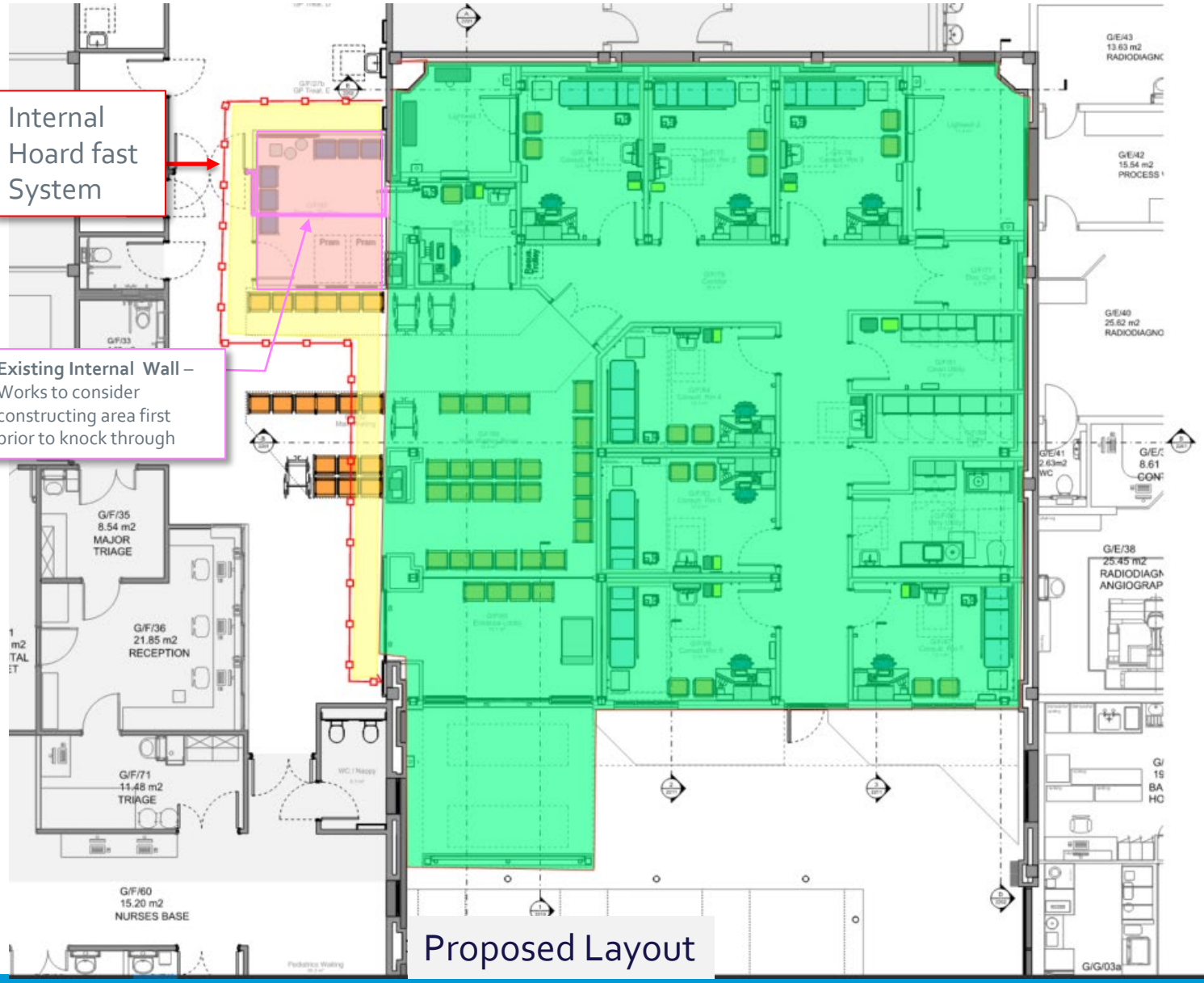
Legend
Description
13T 360 Excavator
Concrete Wagon
Crwod Barrier with hooped Pedestrian gates
Gatehut
Image
M Site Turnstile
Piling Rig
Site Fence Solid Hoarding
Temporary ED Entrance
UHS Pedestrian fencing

5.3 WOR UTC South – Main Works – General Site Logistics Internals

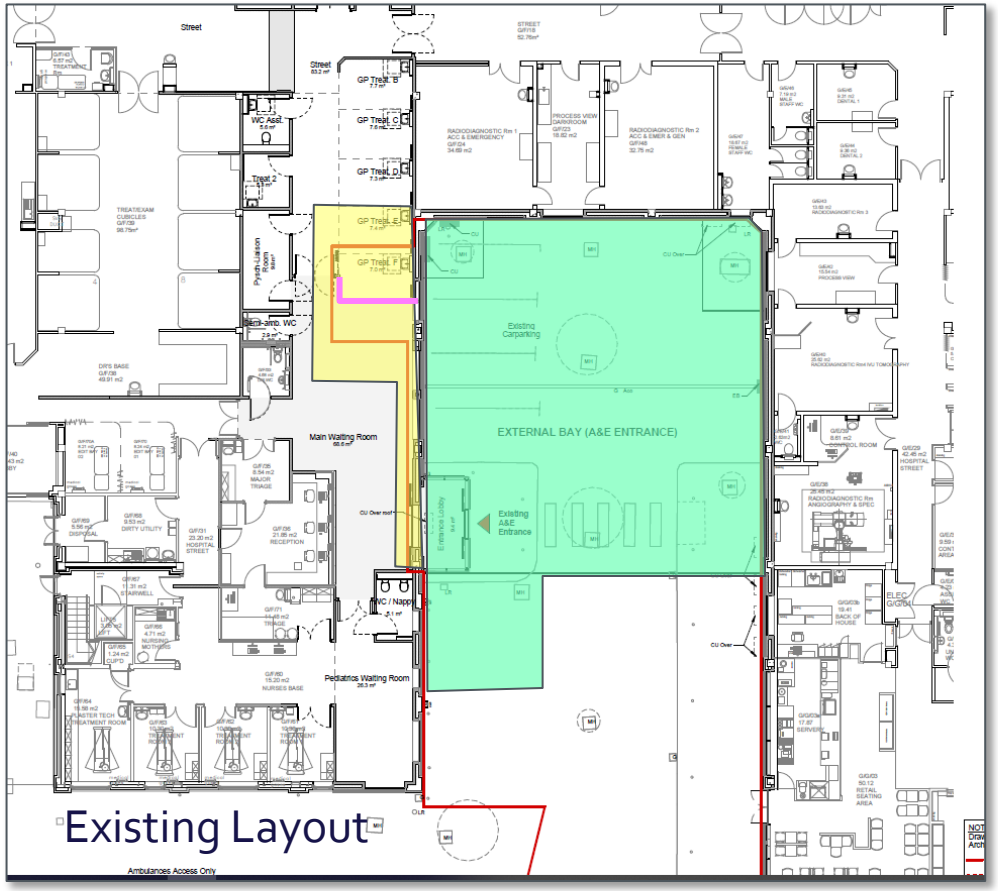
MORGAN SINDALL CONSTRUCTION

Internal Hoard fast System

Existing Internal Wall – Works to consider constructing area first prior to knock through



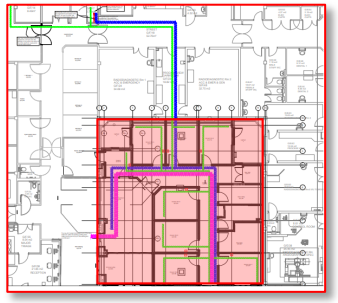
Proposed Layout

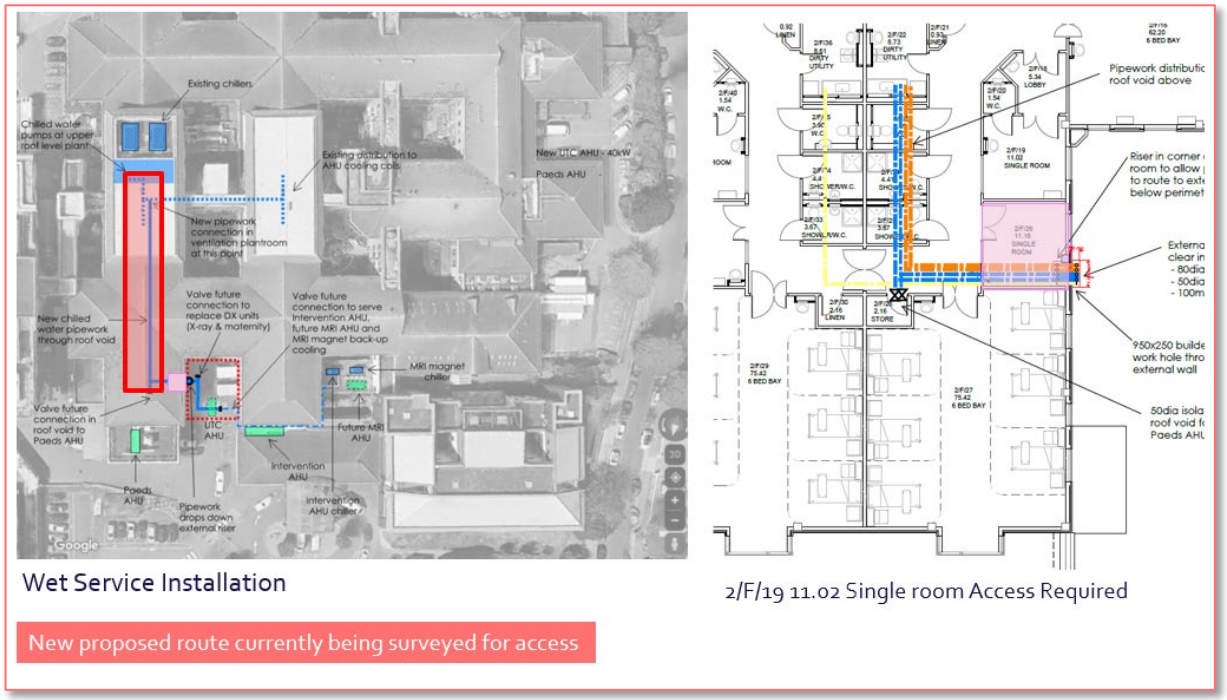


Existing Layout

- New UTC Space
- Access required to existing space for demolition and new wall

5.4 WOR UTC South – Main Works – Connecting to Primary Services

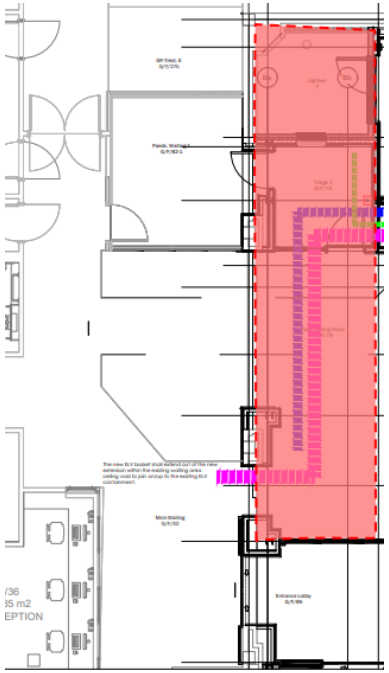




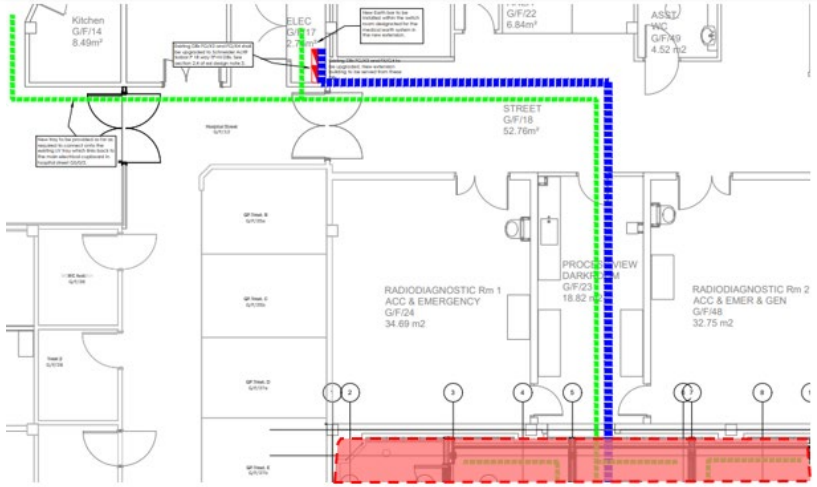
Wet Service Installation

2/F/19 11.02 Single room Access Required

New proposed route currently being surveyed for access



Data



Lighting & Power

Single Room MSC will require access – Room closure during period of works

Lighting & Power

New conductor and medical earthing bonds

Data/ FA + Nurse call/ Security 1st floor cabinet

Works Scope

Install

6 WOR UTC South – Main Works – Temporary Works

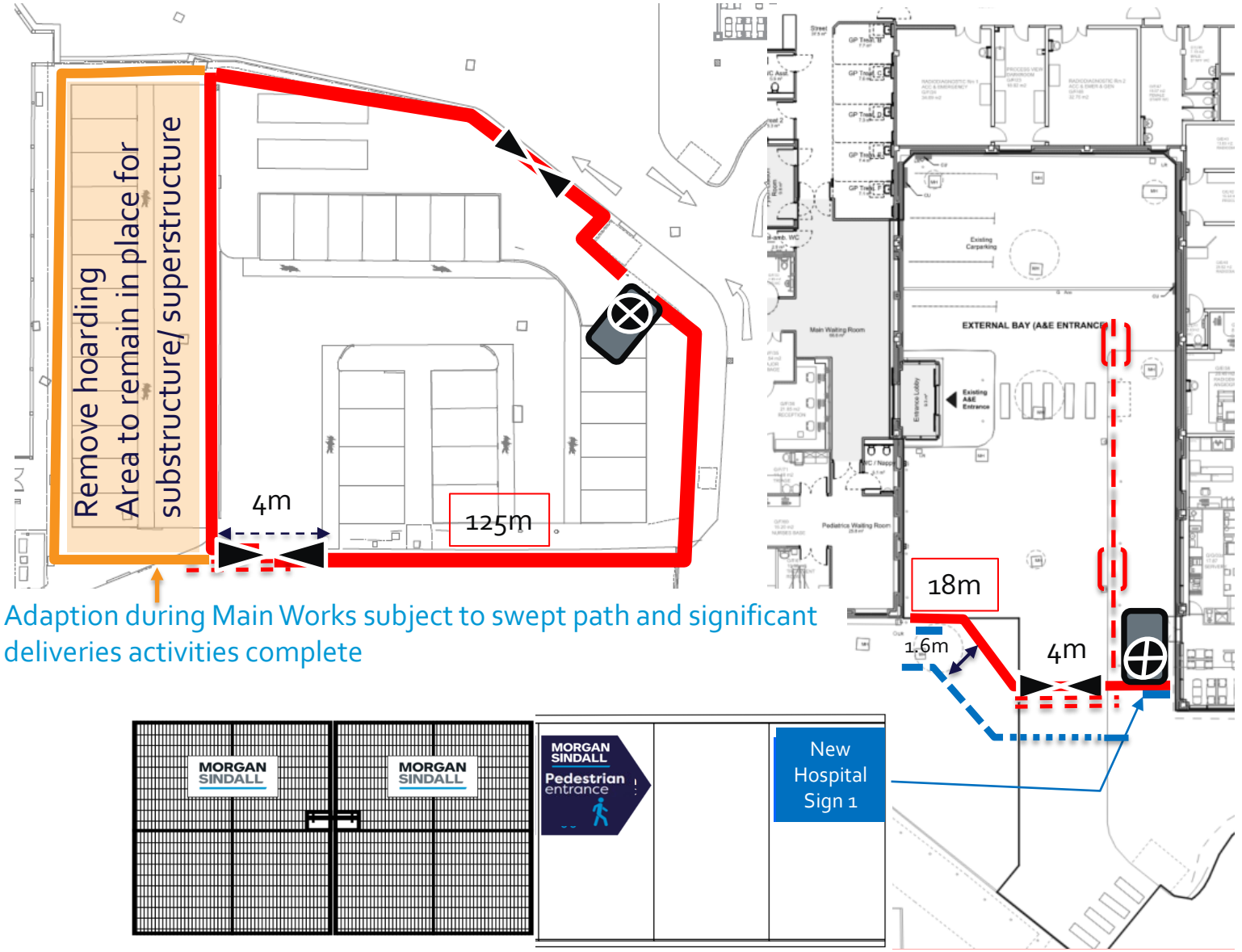
MORGAN SINDALL CONSTRUCTION

Pre-Contract Temporary Works Schedule (TW1)

Schedule Owner: James Ramsden **Contract: Worthing Hospital UTC - Advance Works** **Revision: 3** **Date: 21/05/24**

Ref No	TWks Item Description	Risk Class BS 5975 Table 1	Designer	Checker	Design Check Cat BS 5975 Table 2	TWks Supervisor	Planned Site Start Date	Brief Issue Date	Read by Date	Design Complete Date	Checked Approved Date	Permit To Load Issued	Permit To Dismantle Issued	Third Party Approval
B	*MAIN CONTRACT WORKS*													
	Perimeter Hoarding for site main compound													
1	Scaffold ground bearing for ductwork replacement (Ground to 3rd floor)	M	MSES	MSES	2	TBC	TBC					Yes	N/A	N/A
2	Structural assessment and temporary supports when piling adjacent to basement wall	H	TBC	MSES	2	TBC	TBC							
3	Piling mat for new extension infill and waiting area	M	SHORE	MSES	2	TBC	TBC							
4	Concrete Pump outrigger for placing concrete	M	MSES	MSES	2	TBC	TBC					Yes	N/A	N/A
5	Courtyard/ Extension - Spider Crane outrigger design for steelwork	M	MSES	MSES	1	TBC	TBC					Yes	N/A	N/A
6	Safety netting and platforms as fall arrest for installing metal decking, roofing works	M	TBC	MSES	2	TBC	TBC							
7	Stable MEWP/ tower running platforms for access and workign at height	M	TBC	MSES	2	TBC	TBC							
8	Stable MEWP/ tower running platforms for access and workign at height on 1st floor	M	TBC	MSES	2	TBC	TBC							
9	Temporary support works to form openings in existing structures	M	Demo contractor	MSES	2	TBC	TBC							
10	General access scaffold for façade works for toextension	M	Scaffolder	N/A	2	TBC	TBC							
11	Haki staircase design check inc ground bearing	M	Scaffolder	MSES	2	TBC	TBC					Yes	N/A	N/A
12	Ground bearing check for crane lift for cabin install	H	Cabin Supplier	MSES	2	TBC	TBC					Yes	N/A	N/A

8.1 WOR UTC South – Main Works– Hoarding Plan



Adaption during Main Works subject to swept path and significant deliveries activities complete



Solid Hoarding

Remove hoarding
Area to remain in place fo
substructure/ superstruct



Crowd Barriers



crowd barriers for pedestrian footpath (heras)

crowd barriers re-instated post shift (heras)

New Temporary Hospital Wayfinding (Signs 1-3)



Site Entrance Vehicle Gate



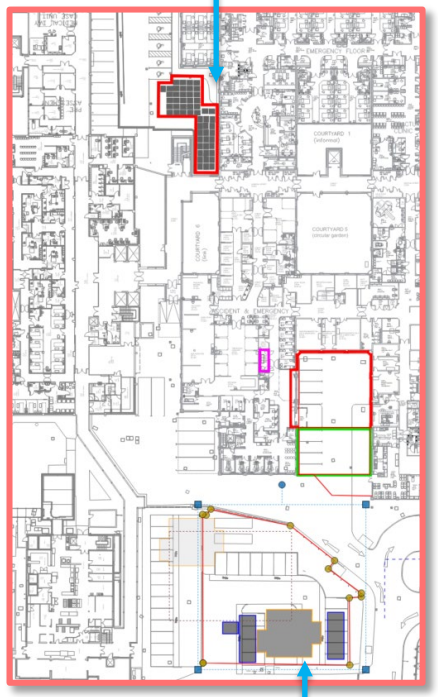
Concertina barrier

Pedestrian Site Entrance Gate – Lockable Hoarding with Msite turnstile behind for security

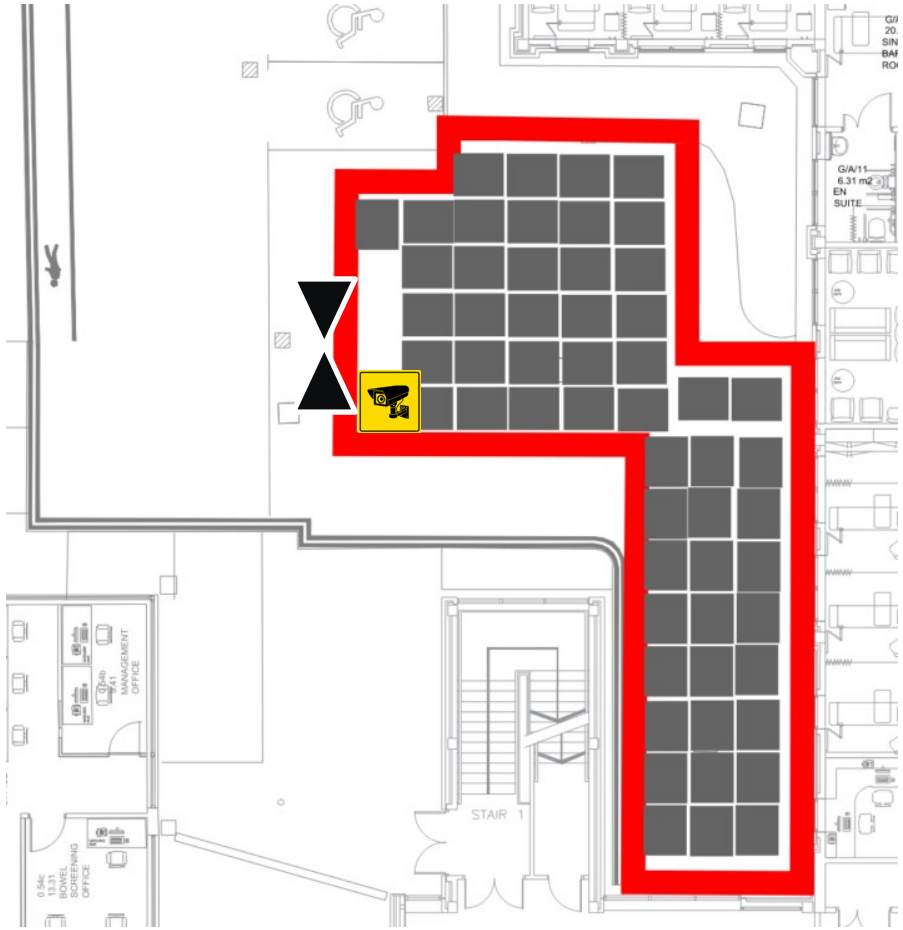
8.2 WOR UTC South – Main Works – Hoarding Plan

MORGAN SINDALL CONSTRUCTION

Secondary Compound (Storage of block paving from existing entrance)

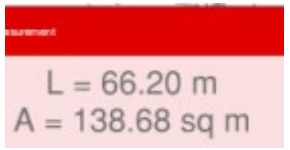


Primary Compound



Secondary Compound (As requested by L Workman 19/06/24)

Compound barriers (Water filled heras) Type 2



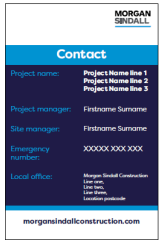
Site Entrance Hears Gate 6m



Exclusion Zone Signage



Security camera

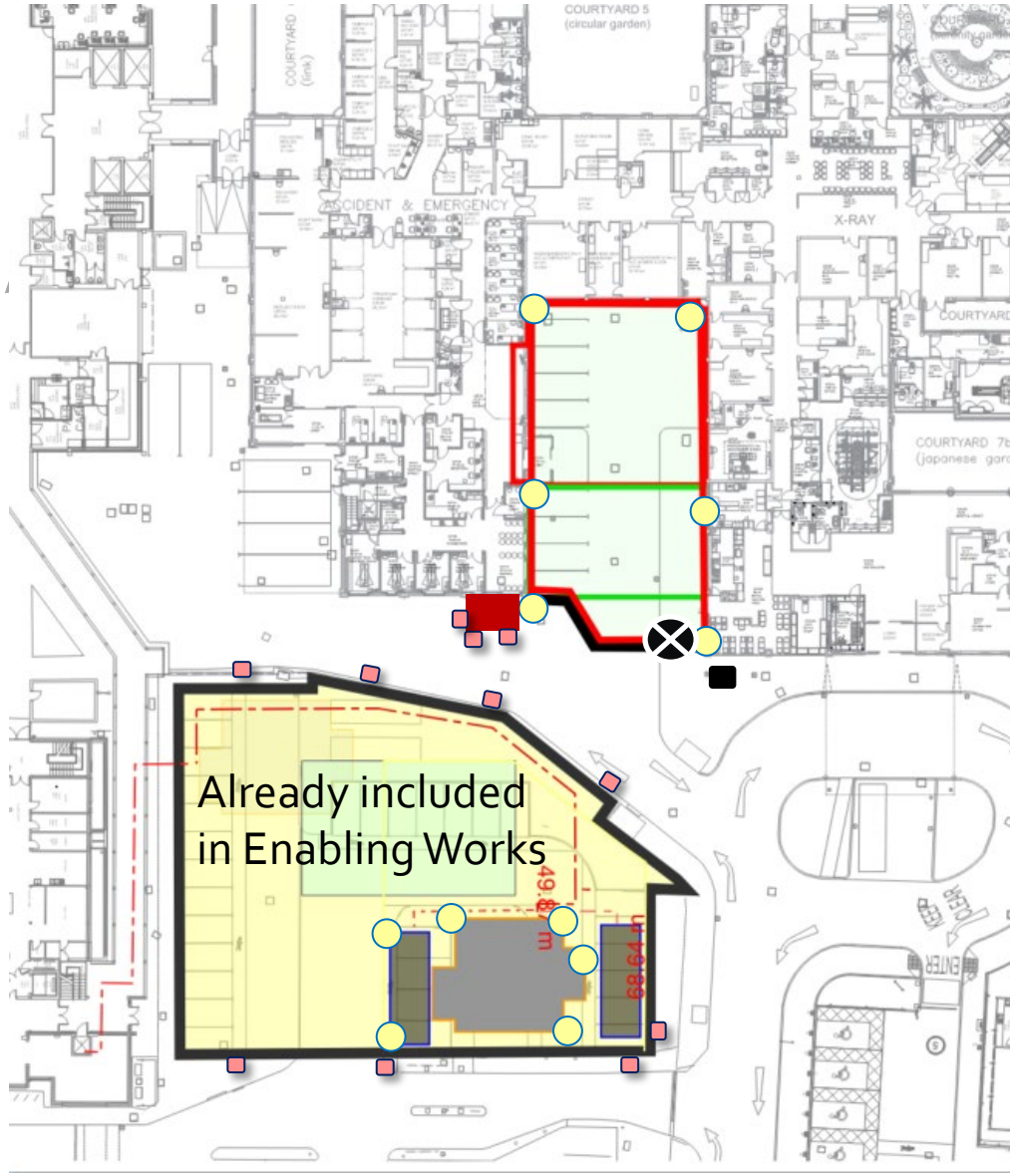


Site contact board

Block paving from main entrance stored on pallets

391m² 7m² per pallet = 56 pallets

9.1 WOR UTC South – Main Works – Temporary Services Plan - Electric



- Site Electric
- Bulkhead lighting
- Site Panel
- Hoarding lighting to an area of 18m
- Lighting floodlight from cabin
- Power to Gate hut
- Lighting to temporary stair tower Ground to roof
- L Lighting Transformer
- P PowerTransformer

Scope Power & Lighting

To provide temporary power to accommodate the following to support the Main Works

External

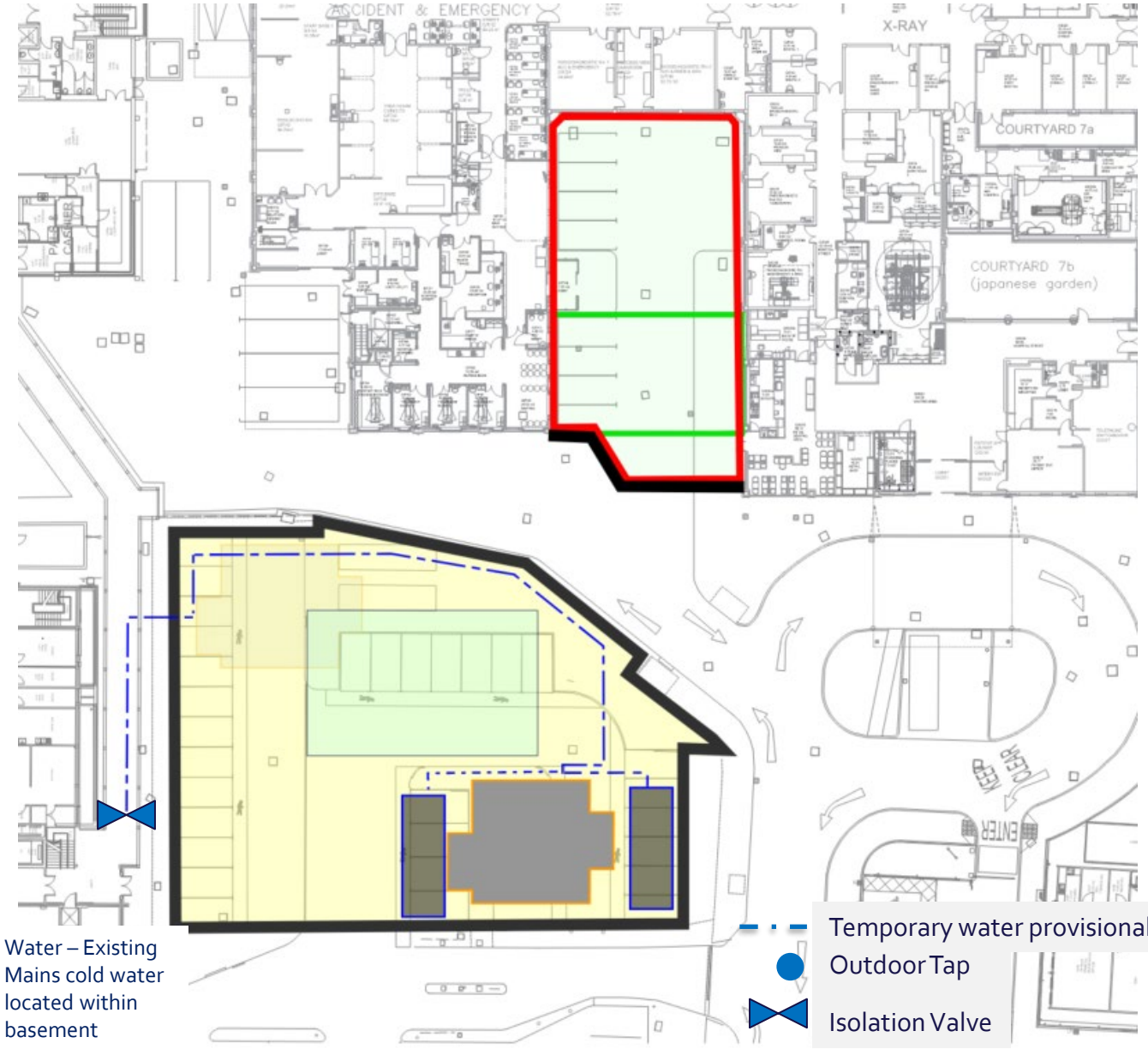
1. Temporary lighting to main hoarding including red bulkhead lighting to car park areas with some floodlighting to illuminate site
2. Power to turnstile (which will be retained for main project)
3. Power to gatehut
4. External power
5. Internal power
6. Internal lighting

Specific Scope

The works shall include the provision of;

1. 100 Amp 3 Phase Supply . Route is to be taken from an existing electrical riser located in the building adjacent Assume 35m within the basement and 58m externally to location
2. Cable externally will be installed via below ground ducting installed by others up to the panel within compound
3. Compound Electrical distribution board external within the site compound
4. 1x 50 KVA transformer
5. All cabling connection and all accessories to power site set up to include.
6. Electric meter externally fitted at panel
7. All external lighting needs to be controlled via timer/ lighting sensor for night time only with override
8. 100 Amp 3 Phase supply to be taken from the basement electrical riser cupboard (Building 1) Allow from the pit to the site 58m. Within the basement allow 35m

9.2 WOR UTC South – Main Works – Temporary Services Plan - Water



Scope for Temporary Water

To provide temporary power to accommodate the following to support the Advance Enabling Works

Temporary Site Cabin for the Enabling Works - Set Up 1

1. Site Cabin Office/ Meeting room
2. Site Cabin Welfare/ Drying Room
3. Site Cabin Toilets 3+1
4. Temporary lighting to main hoarding including red bulkhead lighting to car park areas with some floodlighting to illuminate compound
5. Power to turnstile (which will be retained for main project)

Temporary Site Cabin for the Main Works - Set Up 2

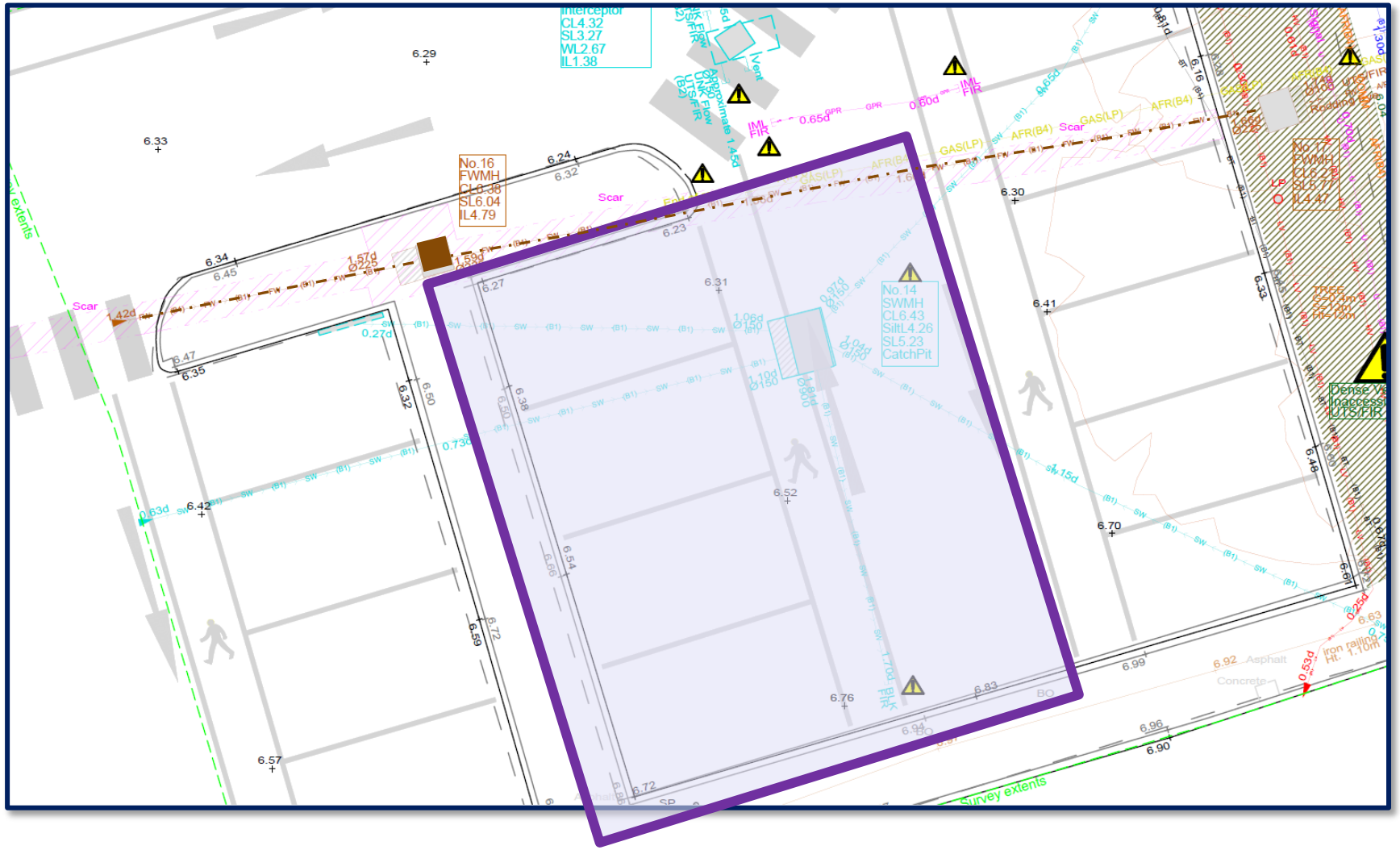
To provide temporary power to support the Large Site cabin set up (3 on 3 units) which includes the following accommodation
Office space/ kitchenette/ toilet and washrooms/ 1x shower/ canteen/ drying room / Meeting Room/ turnstile, external lighting to hoarding and lighting to compound

Specific Scope

1. The works shall include the provision of;
2. Mains cold water to support the initial set up followed by the large site set up
3. Provision for an outside tap located within the compound
4. All pipwork and connections
5. Any above ground pipework is to be lagged
6. Provisional cost for any above ground drainage to have trace heating to prevent freezing
7. Water meter located within he boundary
8. Provisional cost for Leak protection/ prevention including an isolation valve
9. All above Ground Drainage to serve site cabin to include toilets, shower x1 kitchenette, kitchen, canteen connected to temporary cover to manhole
10. Water – Mains temporary cold water 25mm polypipe
11. Allow from the pit to the site 58m. Within the basement allow 25m

9.3 WOR UTC South – Advance Works – Temporary Services - Waste

MORGAN SINDALL CONSTRUCTION

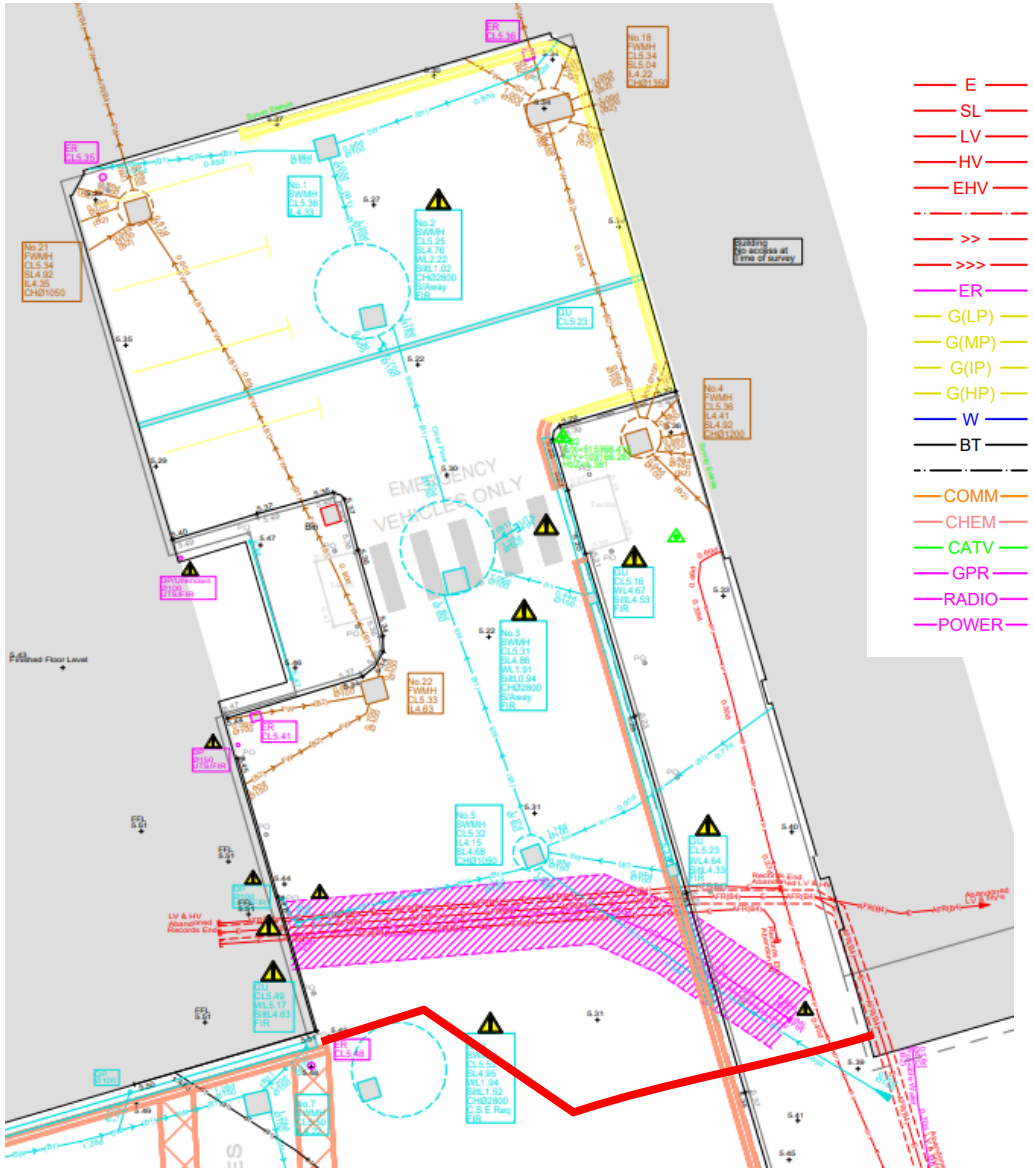


LEGEND & ABBREVIATIONS

E	Electricity Unknown
SL	Street Light
LV	Low Voltage Cable
HV	High Voltage Cable
EHV	Extra High Voltage Cable
	Overhead Elec (LV/SL)
>>	Overhead HV Cable
>>>	Overhead EHV Cable
ER	Earth Cable
G(LP)	Low Pressure Gas Pipe
G(MP)	Medium Pressure Gas Pipe
G(IP)	Intermediate Pressure Gas Pipe
G(HP)	High Pressure Gas Pipe
W	Water Pipe
BT	BT Cable
	Overhead BT Cable
COMM	Communication Cable
CHEM	Chemical Pipe
CATV	TV Cable
GPR	Located by GPR
RADIO	Located by Radio Signal
POWER	Located by Power Signal
ED	Empty Duct
CCTV	CCTV Cable
F/O	Fibre Optic Cable
TCSU	Traffic Sensor
TS	Traffic Signal Cable
U	Unknown Service
EF	Effluent Pipe
SW	Surface Water Drainage
FW	Foul Water Drainage
CW	Combined Drainage
FU	Fuel Main
FS	Ferric Sulphate
H	Heating Pipe
Oil	Oil Pipe Line
	Overhead Pipe
	Band Of Utility
X	Assumed Route
	Chamber
	Survey extents
	Inaccessible area
	Utility Continues
	Utility Ends

Temporary Site Accommodation

9.4 WOR UTC South – Advance Works – Services to Isolate



LEGEND & ABBREVIATIONS

E	Electricity Unknown
SL	Street Light
LV	Low Voltage Cable
HV	High Voltage Cable
EHV	Extra High Voltage Cable
	Overhead Elec (LV/SL)
>>	Overhead HV Cable
>>>	Overhead EHV Cable
ER	Earth Cable
G(LP)	Low Pressure Gas Pipe
G(MP)	Medium Pressure Gas Pipe
G(IP)	Intermediate Pressure Gas Pipe
G(HP)	High Pressure Gas Pipe
W	Water Pipe
BT	BT Cable
	Overhead BT Cable
COMM	Communication Cable
CHEM	Chemical Pipe
CATV	TV Cable
GPR	Located by GPR
RADIO	Located by Radio Signal
POWER	Located by Power Signal

ED	Empty Duct
CCTV	CCTV Cable
F/O	Fibre Optic Cable
TCSU	Traffic Sensor
TS	Traffic Signal Cable
U	Unknown Service
EF	Effluent Pipe
SW	Surface Water Drainage
FW	Foul Water Drainage
CW	Combined Drainage
FU	Fuel Main
FS	Ferric Sulphate
H	Heating Pipe
Oil	Oil Pipe Line
	Overhead Pipe
	Band Of Utility
X	Assumed Route
	Chamber
	Survey extents
	Inaccessible area
	Utility Continues
	Utility Ends

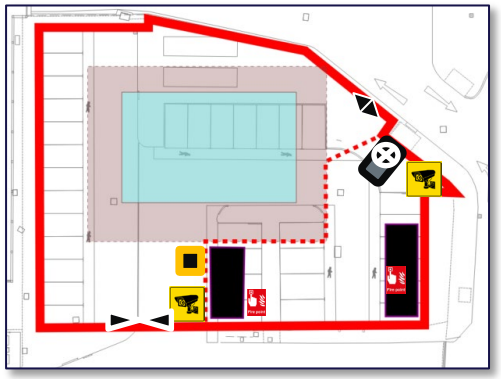
Services to Isolate

Purpose: This scope of work defines the isolations that are required to support the Advance Enabling Works, moreover the commencement of the soakaway works in advance of the main UTC South Main project works.

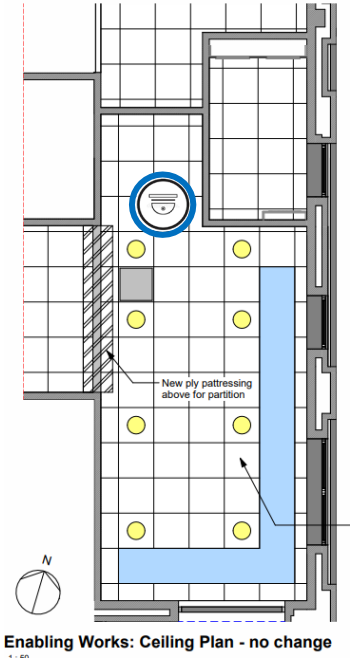
The works will need to be undertaken in parallel with the groundworker

Programme and Timeframe – Commence works November
The planned works commenced 4th November
Scope of Works:
The works will comprise of the following;
Divert existing localised mechanical plant units, divert existing drainage and rainwater, demolish the existing ED entrance canopy, install the piling matt in and complete the piling. Groundwork including the drainage and ground floor slab.

10 WOR UTC South – Main Works– Site Security & Surveillance

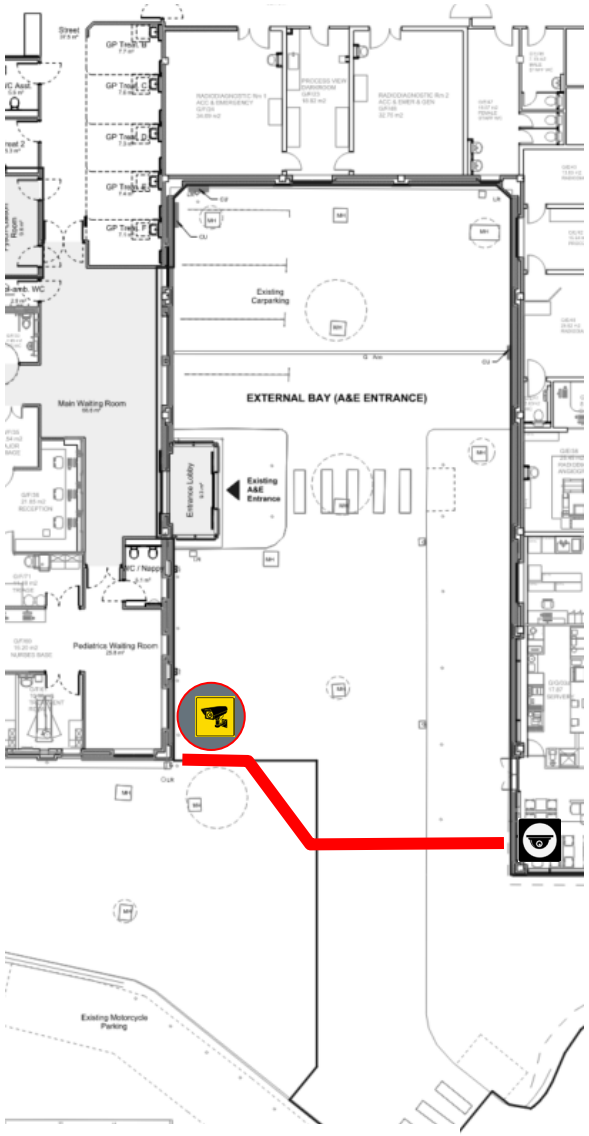


Enabling Works – Soakaway/ Compound



Enabling Works: Ceiling Plan - no change

Enabling Works – Soakaway/ Compound



Main Works – Main UTC Site

Existing Hospital CCTV Camera positions

New Internal CCTV Camera. Position to be advised by **UHS/ DT**

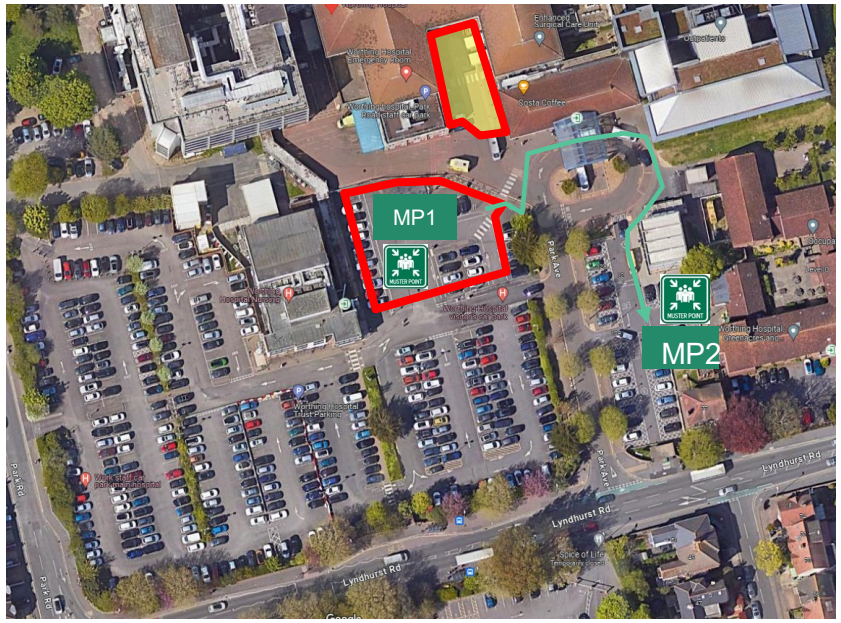
New External CCTV Camera

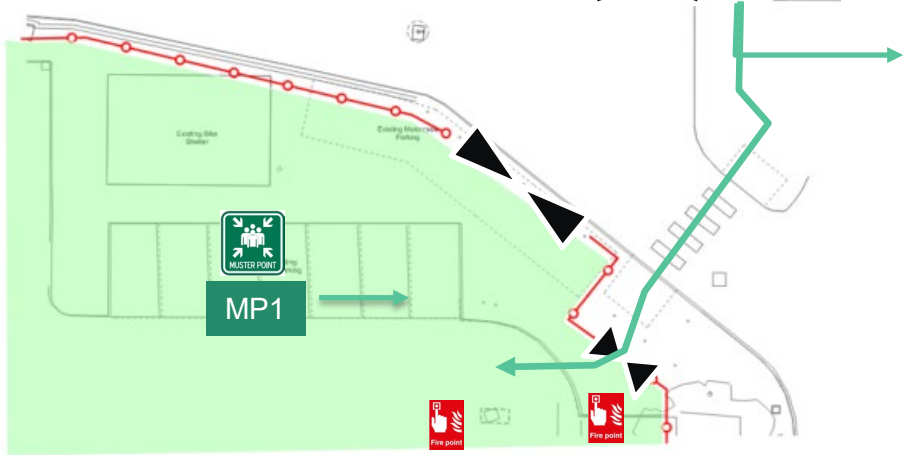
Existing CCTV Construction Site Camera positions

11 WOR UTC South – Main Works – Temporary Fire Plan Part I

MORGAN SINDALL CONSTRUCTION







P Primary Route

S Secondary Route

Muster point ½ positions (MP1 At MSC site set up, MP2 Car Park)

Route to muster point

MP1/2

Fire Point (Use the existing fire alarm system with temporary fire points incl. fire extinguishers)

Msite Turnstile

Biosite Fire alarm Panel (Not to be used until new building in place ie steel frame and slab constructed and knock through

12 WOR UTC South – Main Works – Traffic Management Plan

MORGAN SINDALL CONSTRUCTION

TMP is detailed on separate document

Worthing Hospital – Urgent Treatment Centre (UTC)

Traffic Management Plan – Main Works

RIBA Stage 4

17th September -24

MORGAN SINDALL CONSTRUCTION

NHS University Hospitals Sussex NHS Foundation Trust



No.	Date of Rev	Reason for Update
1	21/8/24	Removal of the pen / Vehicle Gate 3. NO BARRIERS TO BE USED
2	14/09/24	Updated based on Main scheme
3	17/09/24	Update document to address Crowther comments
4		
5		
6		
7		
8		
8		
9		
10		
11		

0 WOR UTC South – Main Works – Contents

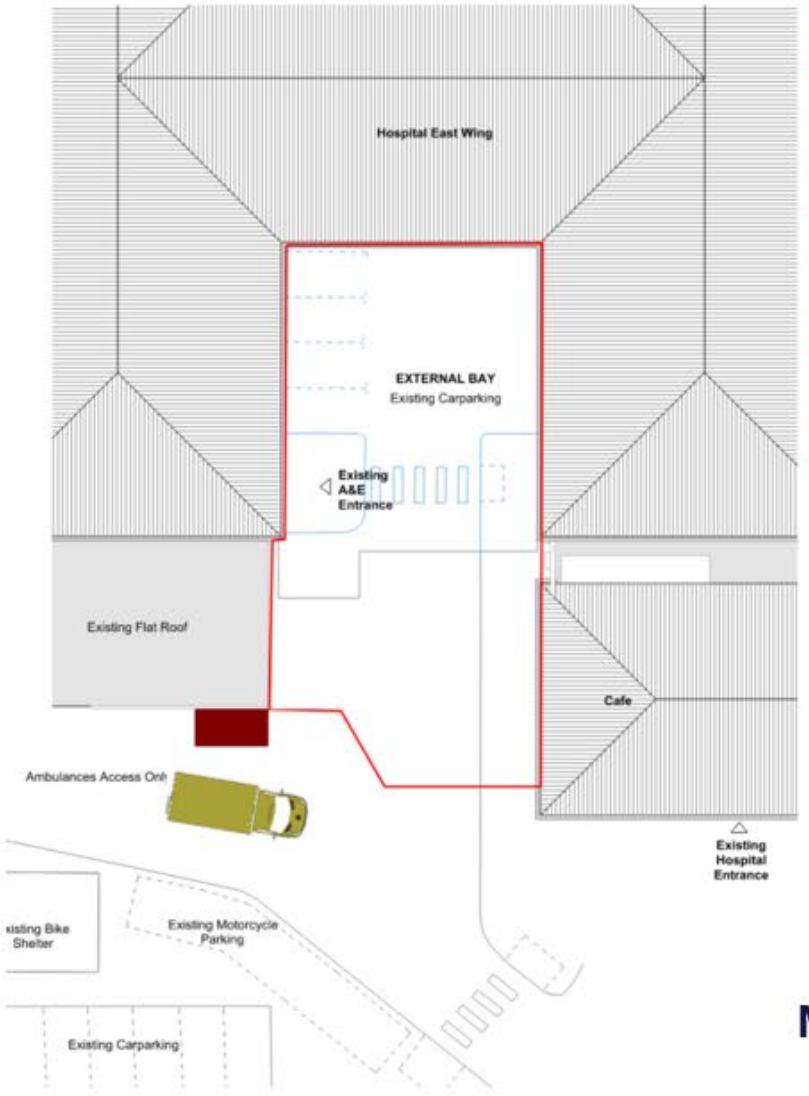
MORGAN SINDALL CONSTRUCTION

1. Site Location Plan
2. Health & Safety Considerations
3. Trust Constraints Plan
4. Access to Car Park/ Main Entrance
5. Main Works – General Site Logistics – Part I
6. Traffic Management Plan – See separate Plan

1 WOR UTC South – Main Works - Site Location Plan

MORGAN SINDALL CONSTRUCTION





Legend	
	Description
	Main Site Compound
	MSC Main Site Set Up
	Site Boundary Red Line
	Site Boundary Red Line
	Site Fence
	Storage
	Temporary ED Entrance

Main Works (Nov-24)

https://goo.gl/maps/bwY7qyfmZXHq5xQ07

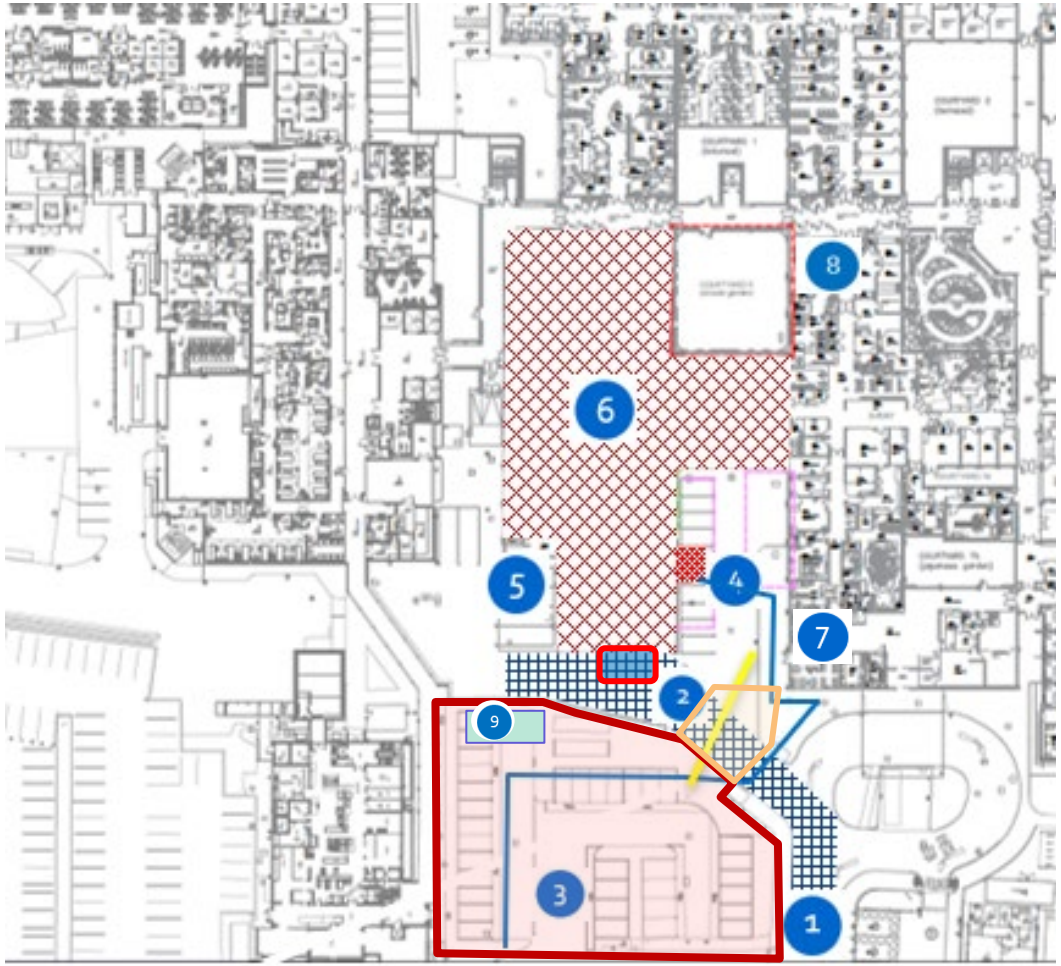
2 WOR UTC South – Advance Works – Health & Safety Considerations

MORGAN SINDALL CONSTRUCTION

No.	Risk	Control Measure
1	Hospital / blue-light disruption through material distribution	Agreed logistics route Trained and dedicated personnel to manage the delivery ensuring areas remain clean at all times
2	Fire in a 'Live' Hospital environment	Construction phase fire risk assessment Fire alarm system integrated into hospital with agreed delayed panel
3	Striking 'Live' Services	Service drawing marking up all services with signage and briefings to all personnel. Vac exc for all activities
5	Struck by Moving Plant/ Hospital traffic 'blue light'	Segregated areas, dedicated gateman, planned deliveries and co-ordinated with the Estates
6	Manual Handling	Reduce movements, electric pallet trucks
7	Working at Height	Agree safe system of work with activities planned in advance to support the selection of the most appropriate equipment
8	Disrupting sensitive hospital equipment due to noise & vibration	1 Set up vibration monitoring Trust to confirm sensitivity levels of sensitive equipment
9	Patient/ staff slips trips and falls associated with floor protection	Agreed logistics plan with specific access routes for pedestrian walkways

3 WOR UTC South – Main Works – Trust Constraints

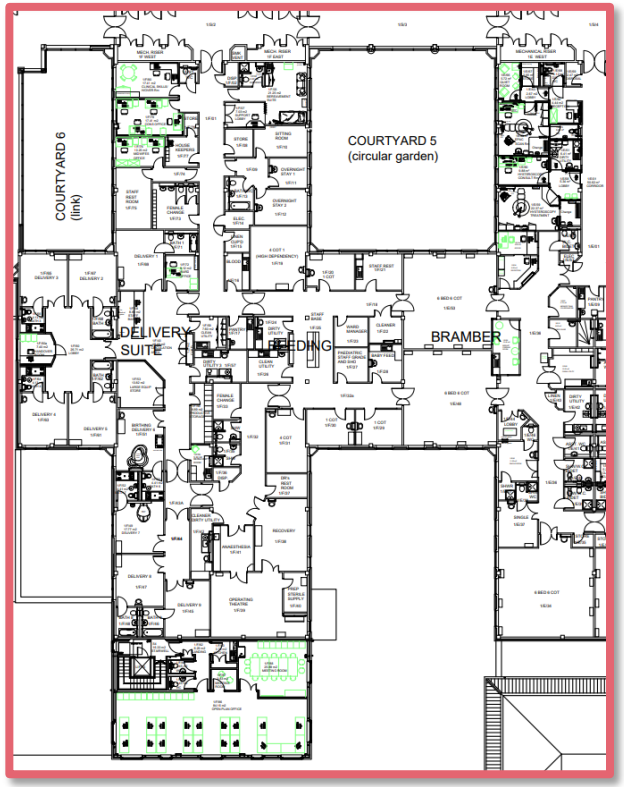
MORGAN SINDALL CONSTRUCTION



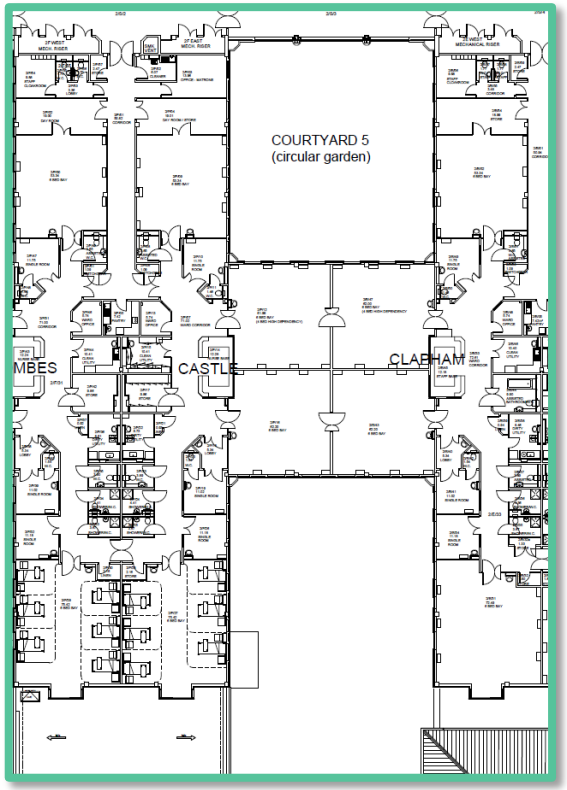
Ground Floor – Emergency Department / Floor

No.	Constraint	Access
1	Blue Light Road	24 Seven
2	Below ground Existing HV Cable (Owner tbc)	
3	Existing foot traffic access route in car park	24 Seven
4	Walk in Access for ED	24 Seven
5	Ambulance Bay	24 Seven
6	Emergency Department	24 Seven
7	Access for deliveries for Costa/ Fire Escape	TBA
8	CT Equipment (Ground Floor)	TBA
9	Maternity/ HDU/ Operating Theatres 1st, 2nd floor	24 Seven
9	Bicycle shed removal only	24 Seven

1. Part I – South Soakaway
2. Part II – New Soakaway Drainage
3. Part III – New Temporary ED Entrance
4. Part IV – Main Site Set Up



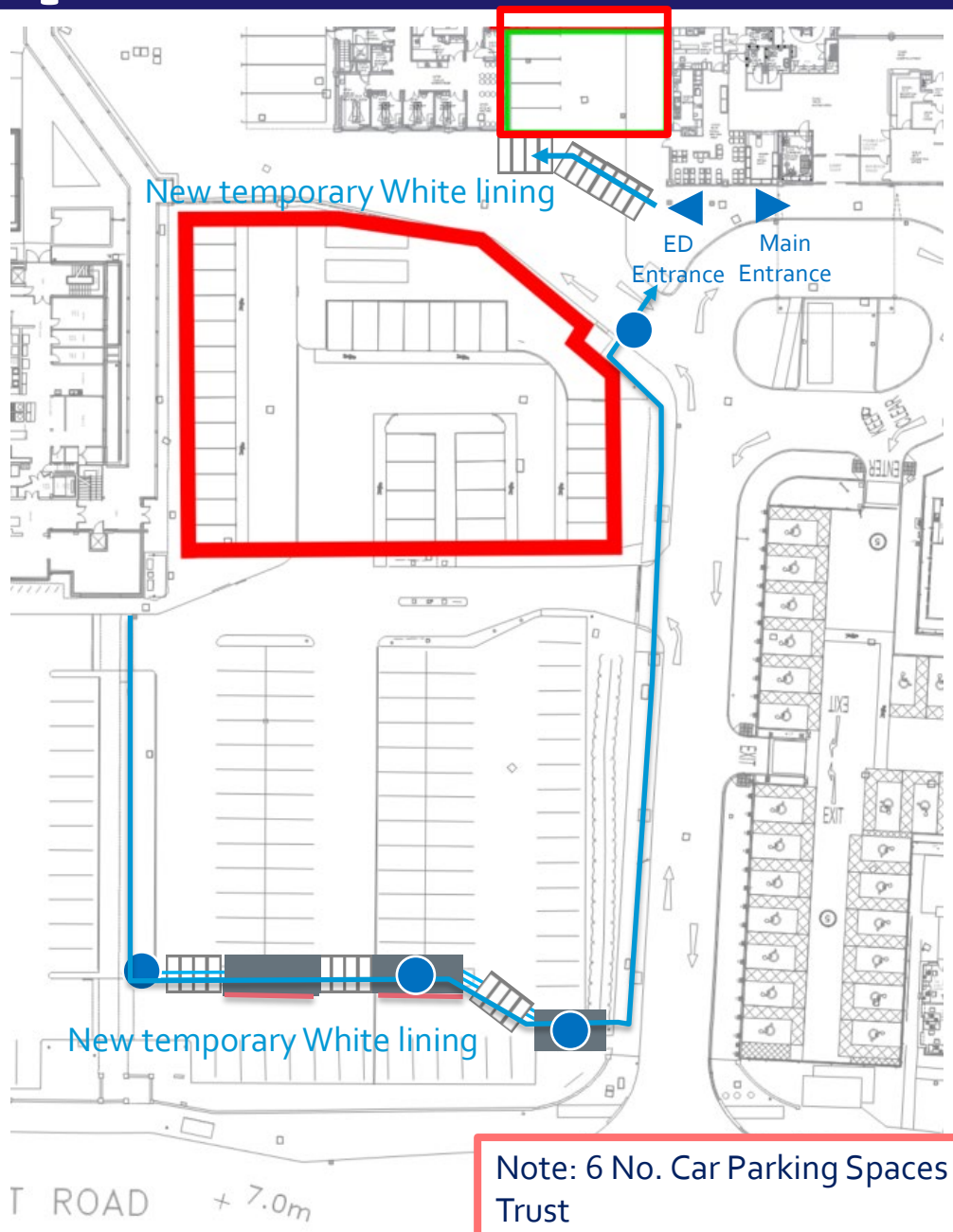
1ST Floor – Maternity Delivery Suite



2nd Floor – High Dependency Unit

4 WOR UTC South – Main Works – Access to Car Park/ Main Entrance/ ED

MORGAN SINDALL CONSTRUCTION



Note: 6 No. Car Parking Spaces to be suspended by Trust

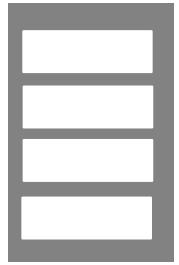
Key

UH Sussex/ Public access maintained

New pedestrian diversion incl. white lining. Crossing point, Car park suspension 3no., new tarmac ramp/ temporary footpath



Example of white lining pedestrian line marking through car park bays
With red & white barriers



Example of Crossing points between car park bays

Example of footpath diversion signs. **CURRENT BEING PROCURED**



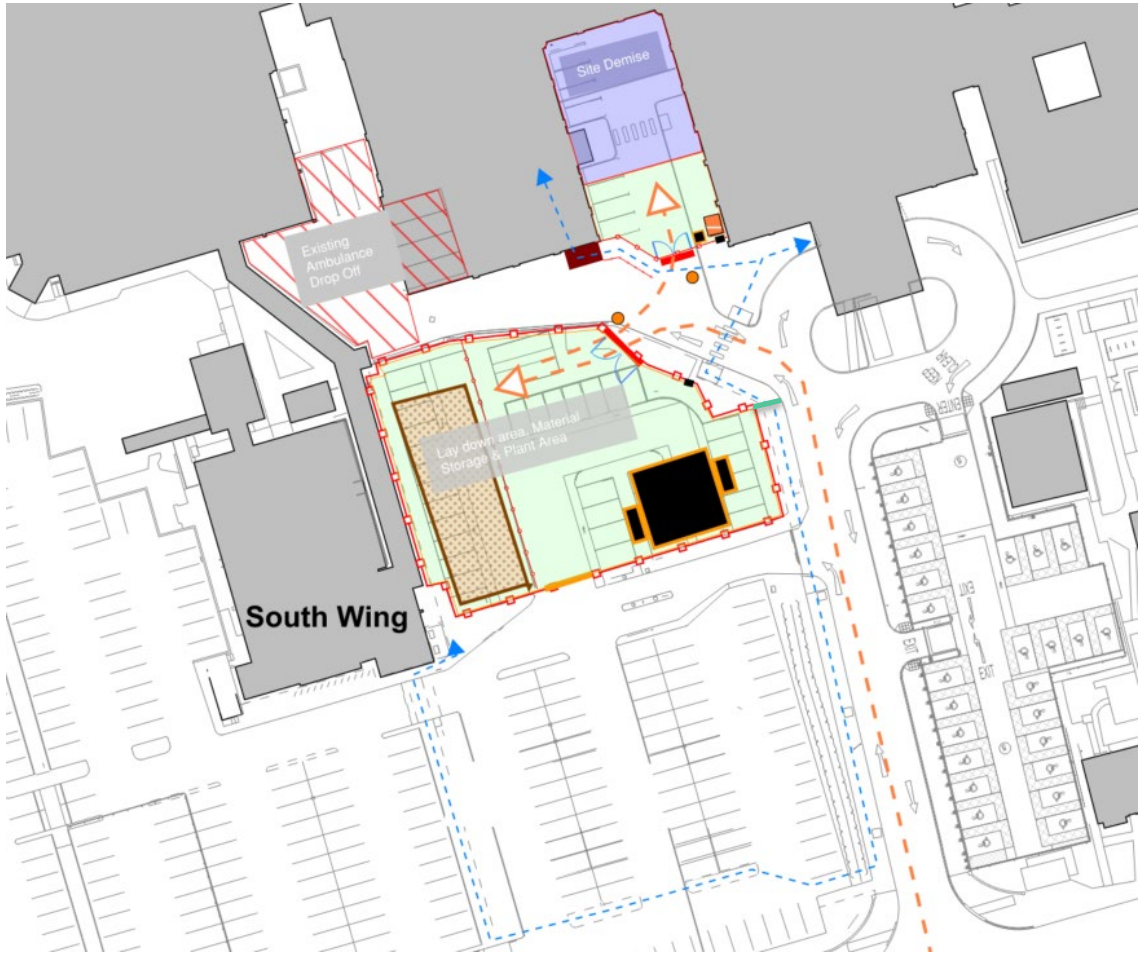




5.5 WOR UTC South – Main Works – General Site Logistics

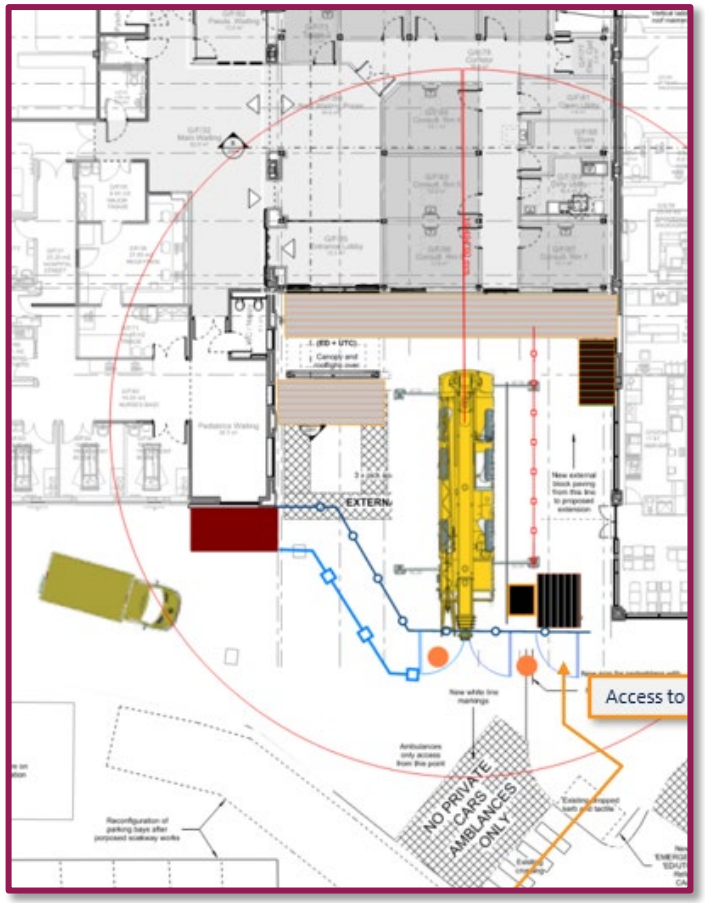
MORGAN SINDALL CONSTRUCTION

Worthing Hospital - Urgent Treatment Centre



Outline logistics for Main Works

Legend	
	Description
	Gatehut
	Laydown, Storage & Plant area
	Main Site Accommodation (3 on 3)
	Main Site Compound
	Materials Hoist (with run off)
	Pedestrian Foot Traffic to Hospital
	Polyline Sketch to Scale
	Site Boundary Red Line
	Site Demise
	Site Fence
	Site Turnstile
	Site Vehicle Movement/ traffic
	SIte Vehicle Entrance Gate (4m)
	Storage/ Stockpiled materials
	Temporary ED Entrance
	Vehicle Gate
	Vehicle Marshall



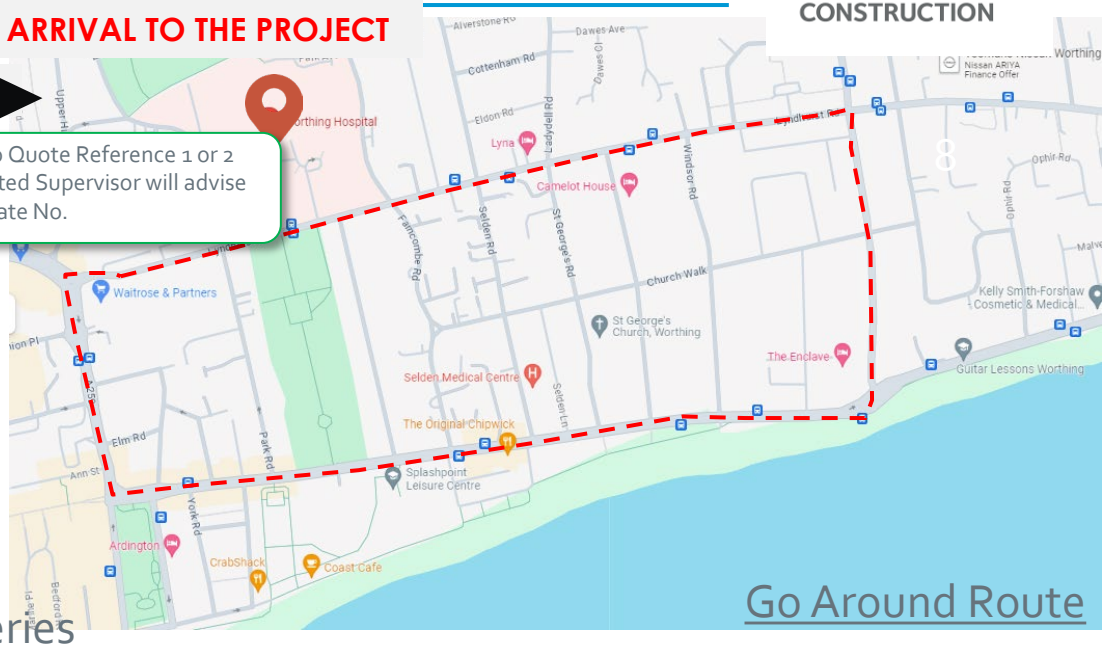
6.1 WOR UTC South – Main Works – Traffic Management Plan

MORGAN SINDALL CONSTRUCTION

ALL DRIVERS MUST HAVE RECEIVED A COPY OF THIS TMP BEFORE ARRIVAL TO THE PROJECT



Primary Route Map - Large Deliveries



Go Around Route

NOTE – ALL SITE DELIVERIES WILL BE ENTERING A 'LIVE' HOSPITAL SITE WITH THE PRIMARY HOSPITAL ROAD OPEN TO ALL STAFF AND PUBLIC USERS OF THE MAIN CAR PARK ASWELL AS BOTH BLUELIGHT AND NON-EMERGENCY AMBULANCE TRAFFIC.

Project Opening Times:
7.30am – 6.00pm Monday to Friday
7.30am – 1.30pm Saturday

Project Working Times:
8.00am – 5.30pm Monday to Friday
7.30am – 1.30pm Saturday

SATURDAY DELIVERIES AND WORKING BY PRIOR ARRANGEMENT WITH SITE MANAGEMENT TEAM

Restricted Delivery Times and Reasons:
8.00am – 5.30pm Monday to Friday

Contact: Head traffic marshal – TBA

Speed Limit:
A speed limit of 5mph will apply to the entire Project and project entry.

On Arrival:
All deliveries are to be directed to Gates 1 or 2 with details recorded in advance on the project Delivery Register for prior approval

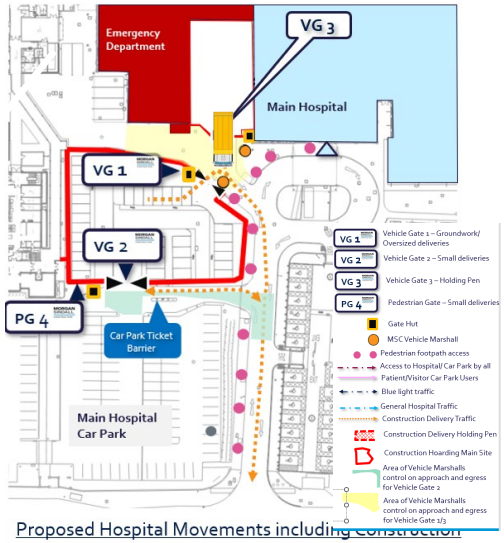
Gate 1 – via Bluelight Road – Only for Groundwork/ & Oversize deliveries

Gate 2 – via a car park ticket barrier so prior agreement required with security via the Site Manager

Gate 3 – via Bluelight Road – For main site deliveries

Site Access Routes (Large Deliveries)
Main delivery routes for large vehicles

- Route A via Lancing, A27 - 4 miles - 11 minutes Call Location WHEN SAFE TO DO SO CALL
- Route B via Findon, A24 – 2.6 miles - 8 minutes WHEN SAFE TO DO SO CALL
- Bus Stop layby for final confirmation, 4 minutes 1 mile
- Go Around route in the event there was a blue light priority delay (mobile call from site to driver advising go around route 1) Journey time 5 mins
- Morgan Sindall Site –

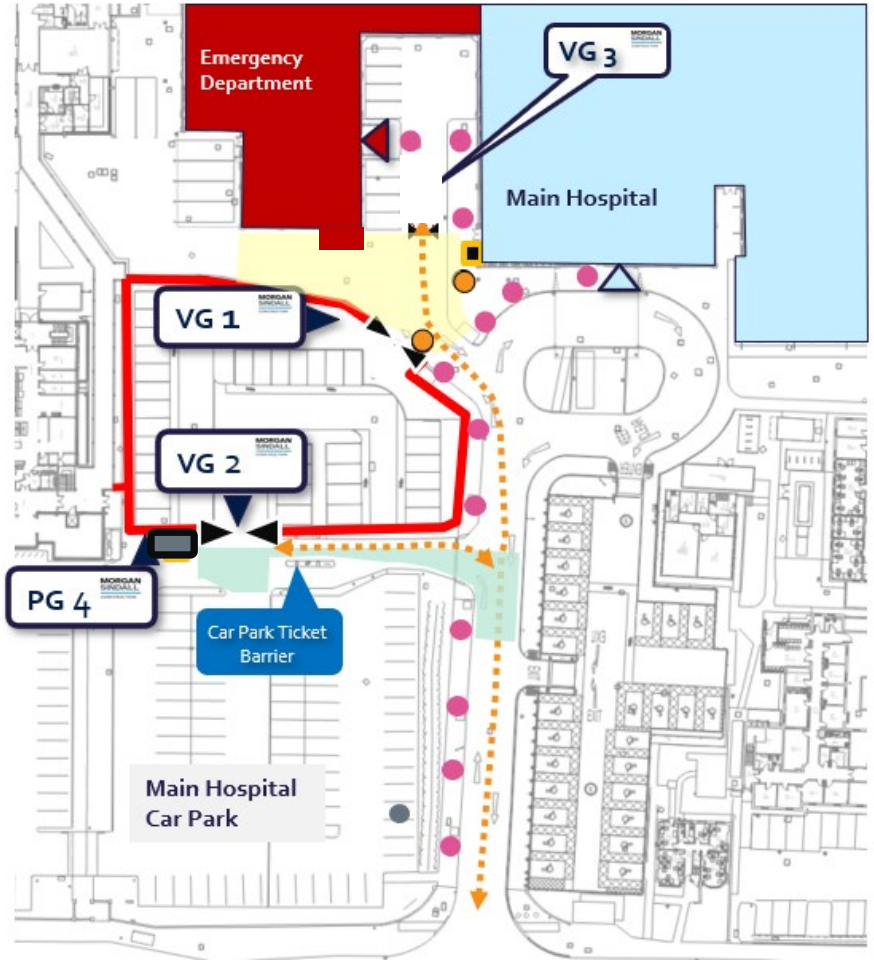


Proposed Hospital Movements including construction Deliveries

6.2 WOR UTC South – Main Works – Traffic Management Plan

TRAFFIC MANAGEMENT PLAN Rev 02 14th September -24

Worthing Hospital (Lyndhurst Road, Worthing, BN11 2DH)



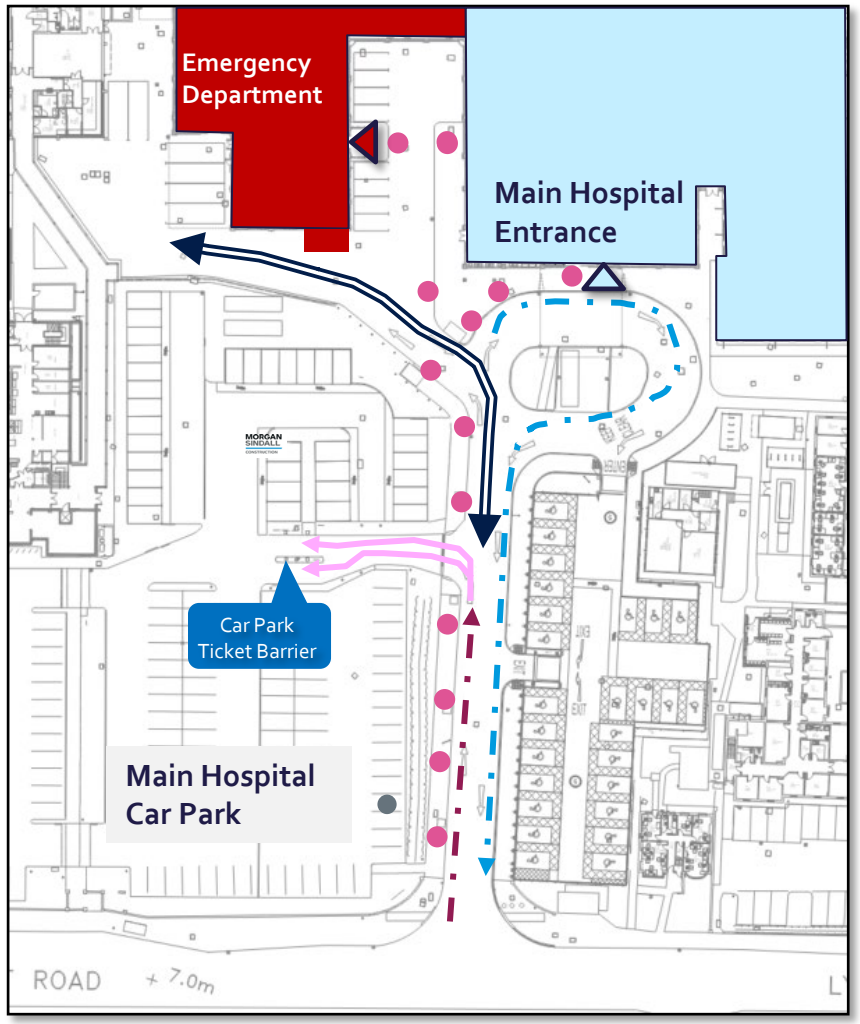
DELIVERY/ DRIVER RULES

1. Project Speed Limit 5mph.
2. Deliveries will only be accepted between the hours of 8:00am and 5:30pm Mon-Fri
3. A preferred delivery window between ??? and ??? is preferred where possible
4. Your delivery must be booked and scheduled in advanced with the project team via the delivery booking in system
5. **ALL SIGNIFICANT deliveries must call (when safe to do so) their on site designated contact (Suppliers Supervisor) when leaving the A27 quoting reference 1 or 2. See Primary Route map for call locations identification. The delivery driver will be notified of which gate to approach. If there is a change to the plan or a ' Go Around', the driver will be notified on their inbound approach**
6. All deliveries that do not keep to the Traffic Management Plan will be turned away with no abortive costs to the company. Traffic marshals will be carrying out checks on deliveries to ensure that the driver has a current copy of the project's TMP and record details of Non-compliance on the delivery log.
7. All Pedestrians to enter via PG 4 and must keep within the pedestrian walkways shown on the Project Layout Plan and report to the site office
8. All service providers are to report to the site office upon arrival for a site induction.
9. All vehicle movements within the construction approach as highlighted in yellow and green areas are to be marshalled via the dedicated traffic vehicle marshals. 2 at All times.
10. All deliveries leaving via Gate 2 will need to egress out of the entrance of the car park and will only be able to under the guidance of the two dediucated traffic marshals who will manage and control the traffic.
11. Any delivery entering VG 1 will need to initially wait in holding pen via VG 3. This will be under the guidance of the 2 Traffic Marshals. Any reversing onto site either when accessing or when egressing will only take place once the adjacent pedestrian crossing have been barried by the TM's and that the areas have been confirmed as safe to proceed
12. **At no point will both Vehicle Gates 1 & 2 be used at the same time. Only 1 delivery at a time**.i.e. VG 1/3 or 2
13. All vehicle movements within the construction area must be under the guidance of vehicle marshals at all times.
14. All reversing commercial vehicles must have an audible warning device, if not available a banksman must oversee all vehicle movements.
15. All drivers must wear PPE while on Project this includes safety helmet, hi-vis clothing, gloves and boots plus other PPE as directed by the RAMS for the activities being carried out.
16. Dependant on site conditions and when applicable all vehicles when leaving site must ensure their vehicle wheels have been cleaned using the on site wheel washing facility.
17. Any accidents or incidents must be reported to the site management immediately, with relevant details entered into the accident book kept on site
18. No Parking across the Project entrance, park in agreed locations as determined by Project plan.
19. No Project staff, contractor or visiting car parking is available on Project.
20. All vehicles must be parked off the road for unloading. No blocking the highway.
21. Correct documentation for vehicles with Hiab, including thorough examination certificates and driver competency to operate the machinery. All vehicles to have a Safe System of Work to prevent falls from vehicles

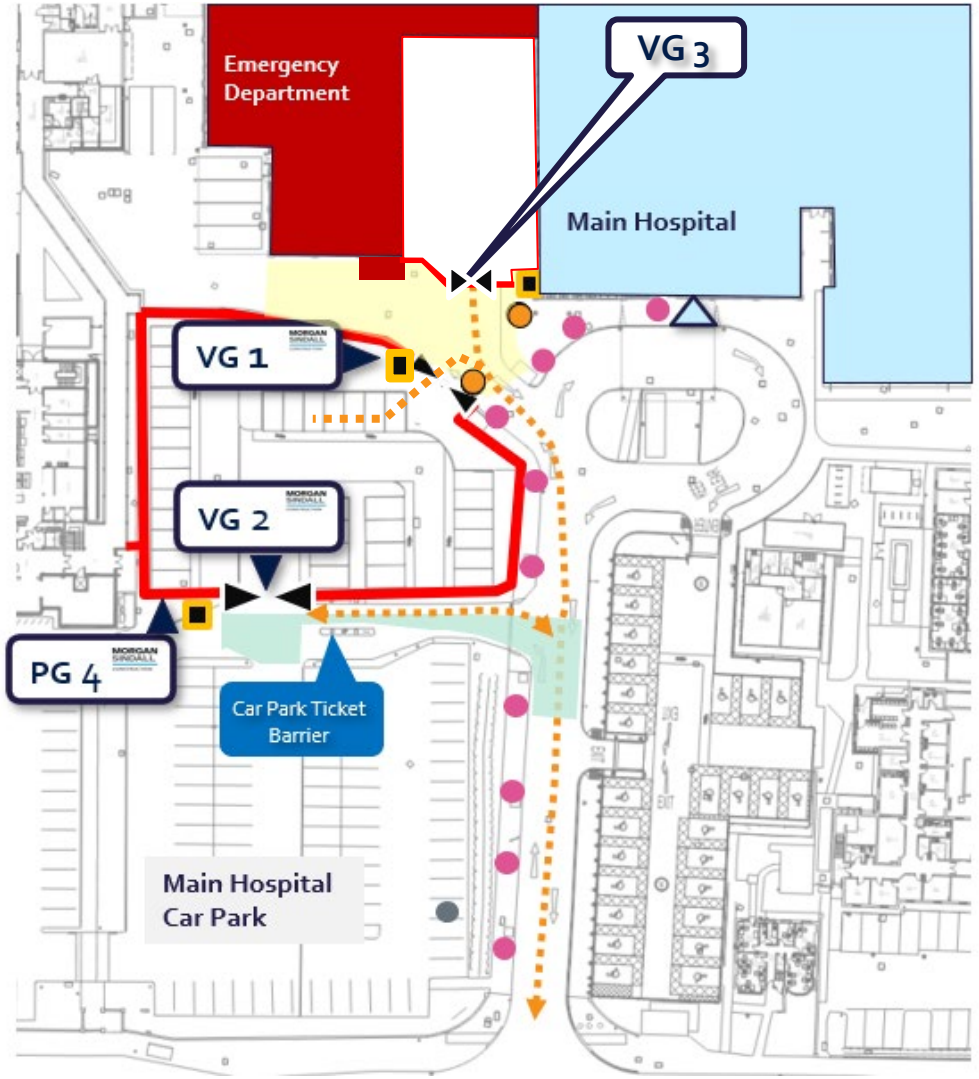
Proposed Hospital Movements including Construction Deliveries

6.3 WOR UTC South – Main Works – Traffic Management Plan

MORGAN SINDALL CONSTRUCTION



Existing Hospital Pedestrian/ Vehicle Movements



Proposed Hospital Movements including Construction Deliveries

VG 1 – Vehicle Gate 1 – Groundwork/ Oversized deliveries

VG 2 – Vehicle Gate 2 – Small deliveries

VG 3 – Vehicle Gate 3 – Holding Pen – **NO PHYSICAL BARRIERS TO BE INSTALLED**

PG 4 – Pedestrian Gate – Small deliveries

Gate Hut

MSC Vehicle Marshall

Pedestrian footpath access

Access to Hospital/ Car Park by all

Patient/Visitor Car Park Users

Blue light traffic

General Hospital Traffic

Construction Delivery Traffic

Construction Delivery Holding Pen

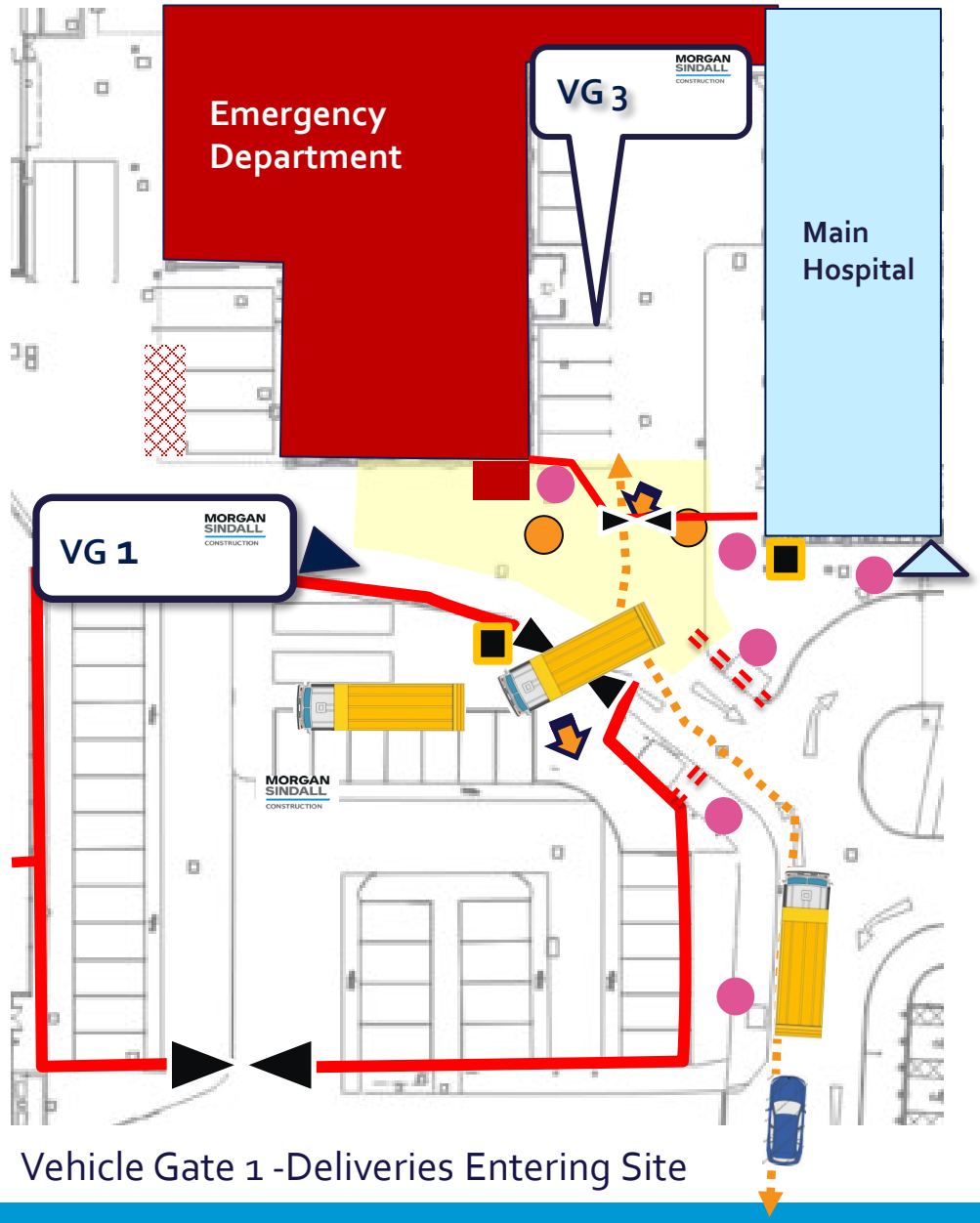
Construction Hoarding Main Site

Area of Vehicle Marshalls control on approach and egress for Vehicle Gate 2

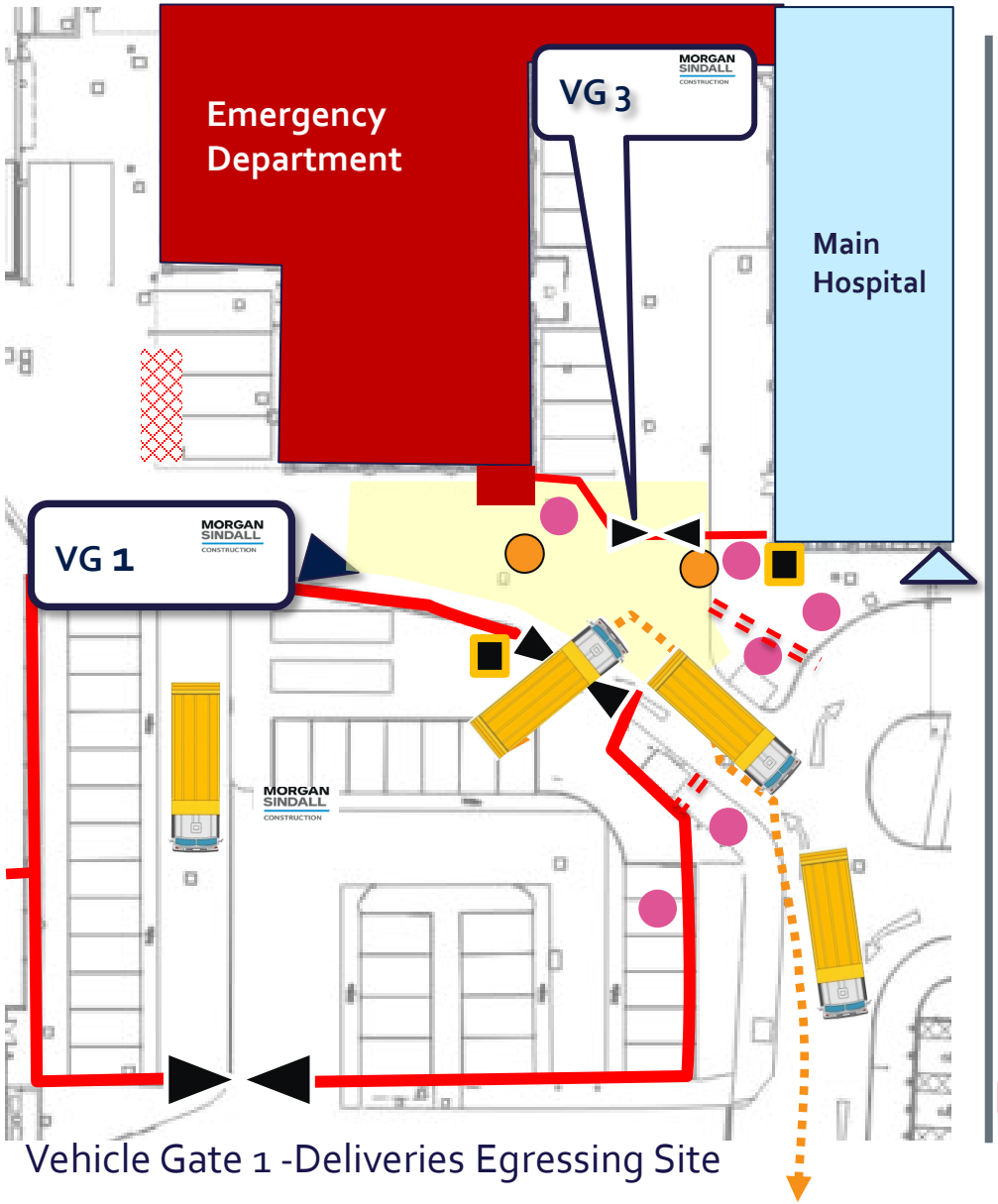
Area of Vehicle Marshalls control on approach and egress for Vehicle Gate 1/3

6.4 WOR UTC South – Advance Works – Traffic Management Plan - Gate 1

MORGAN SINDALL CONSTRUCTION



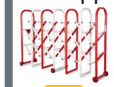
Vehicle Gate 1 -Deliveries Entering Site



Vehicle Gate 1 -Deliveries Egressing Site

2X Trained / Competent Vehicle Traffic Marshalls –

1. Marshalls to be in possession of site radio's for managing incoming outgoing site deliveries and to work as a pair at all times.
2. Prior to deliveries accessing/ egressing VG 1, temporary roll out barriers will be positioned at key pedestrian crossing points to allow safe passage of vehicles
3. TM's will, when necessary, operate 'Stop' 'Go' boards, noting priority and right of way to Blue-light access
4. Vehicles accessing Gate 1 will start/ leave via VG 3 where they will, when safe to do so, be marshalled out onto the hospital road.
5. Our TM's will ensure at all times that they act professionally, polite and courteous to All members of the public/ Hospital Staff. Each TM will be in possession of a body camera
6. Vehicles accessing and egressing VG 1 will be required to perform reversing manoeuvres, but this will be, under control and guidance of the 2x TM's
7. No more than 1 delivery at any one time
8. A gatehut will be located within the public area to ensure clear visibility of approaching deliveries



Concertina barrier or similar



Gate hut

Traffic Marshal with radio and body camera with Stop Go boards

6.5 WOR UTC South – Advance Works – Traffic Management Plan – Gate 2

MORGAN SINDALL CONSTRUCTION









1. No more than 1 delivery at any one time across both VG
2. Deliveries accessing VG 2 are for small light deliveries and or anything for the site accommodation (excluding the unit delivery)
3. **Deliveries accessing VG 2 will need to enter via the first barrier (righthand side) nearest the site**
4. Deliveries will need to have called ahead see previous slide
5. Marshalls will at the time locate themselves at VG 2 and will need to insert a ticket at the barrier to allow vehicle access
6. Deliveries moiving through the car park must be co-ordinated under the guidance of the 2no. TM's
7. Deliveries will be reversed onto site
8. **Note the width of the access via the ticket barrier is 2.9m**
9. The TM's to be in possession of site radio's for managing incoming outgoing site deliveries and to work as a pair at all times.
10. Prior to deliveries accessing/ egressing VG 2, temporary roll out barriers will be positioned across the entrance to allow safe passage of vehicles
11. **Procedure for Leaving site**
    1. In advance of the egressing delivery, a TM will position themselves at the Car Park Stop Point and will communicate via radio when the traffic has been temporarily stopped. The TM will use the Stop Go boards
    2. Once traffic has been stopped the second TM will safely marshal the delivery out of VG2 and escort in front the delivery via the ticket barrier towards the Hospital Approach Rd
    3. At this point the TM (1) will position themselves on the road nearest the main hospital entrance.
    4. With clear line of site the vehicle will be safely marshalled onto the Main hospital Approach Road where it will continue its onward journey
12. Our TM's will ensure at all times that they act professionally, polite and courteous to All members of the public/ Hospital Staff. Each TM will be in possession of a body camera
13. A gatehut will be located within the public area to ensure clear visibility of approaching deliveries



Traffic Marshal with radio and body camera with Stop Go boards



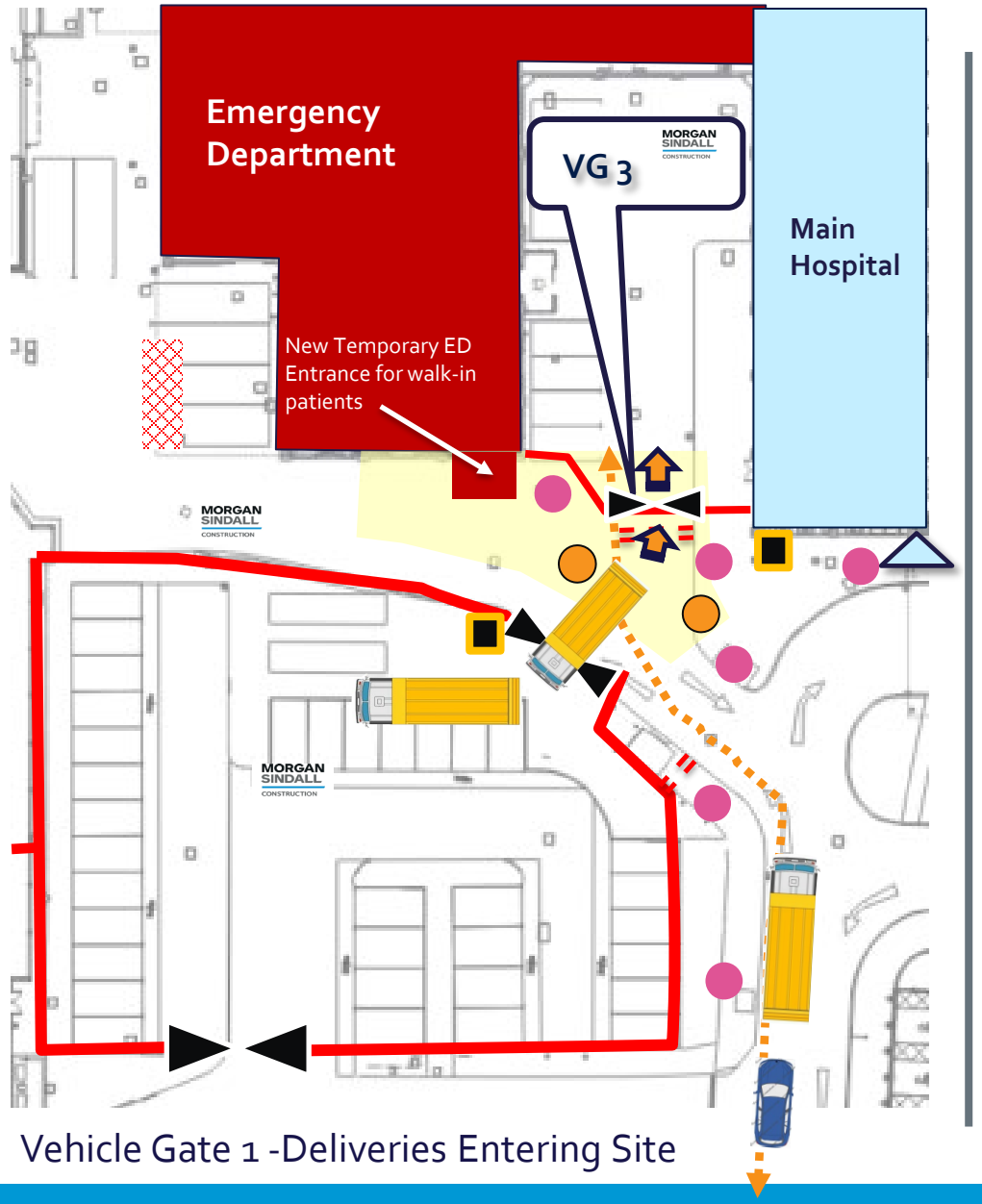
Parking Bay Suspension 4No.



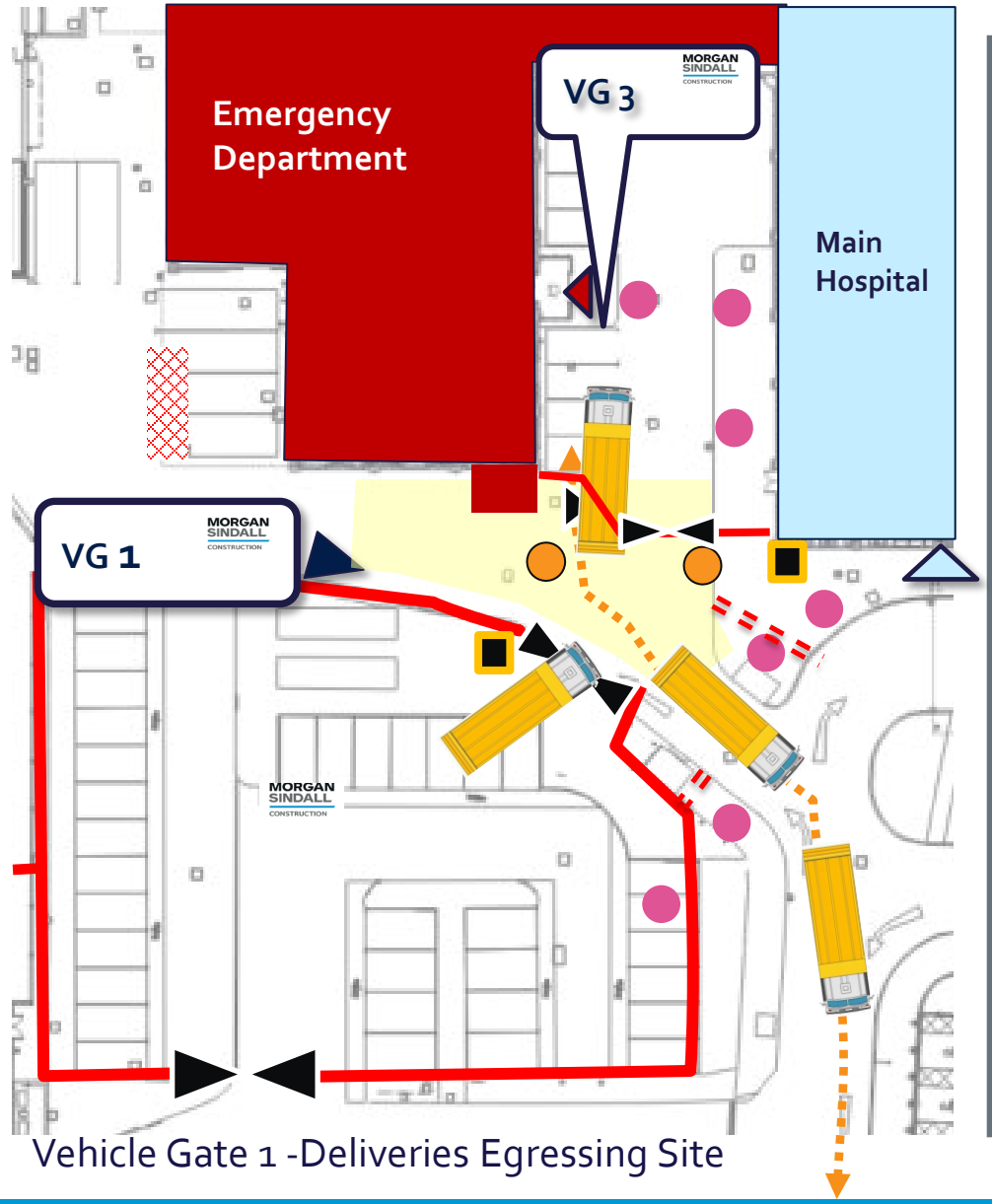
Trust to issue swipe card to ticket barrier to enable automatic opening

6.6 WOR UTC South – Main Works – Traffic Management Plan - Gate 3

MORGAN SINDALL CONSTRUCTION



Vehicle Gate 1 -Deliveries Entering Site



Vehicle Gate 1 -Deliveries Egressing Site

2X Trained / Competent Vehicle Traffic Marshalls –

1. Marshalls to be in possession of site radio's for managing incoming outgoing site deliveries and to work as a pair at all times.
2. Prior to deliveries accessing/ egressing VG 1, temporary roll out barriers will be positioned at key pedestrian crossing points to allow safe passage of vehicles
3. TM's will, when necessary, operate 'Stop' 'Go' boards, noting priority and right of way to Blue-light access
4. Vehicles accessing Gate 1 will start/ leave via VG 3 where they will, when safe to do so, be marshalled out onto the hospital road.
5. Our TM's will ensure at all times that they act professionally, polite and courteous to All members of the public/ Hospital Staff. Each TM will be in possession of a body camera
6. Vehicles accessing and egressing VG 1 will be required to perform reversing manoeuvres, but this will be, under control and guidance of the 2x TM's
7. No more than 1 delivery at any one time
8. A gatehut will be located within the public area to ensure clear visibility of approaching deliveries



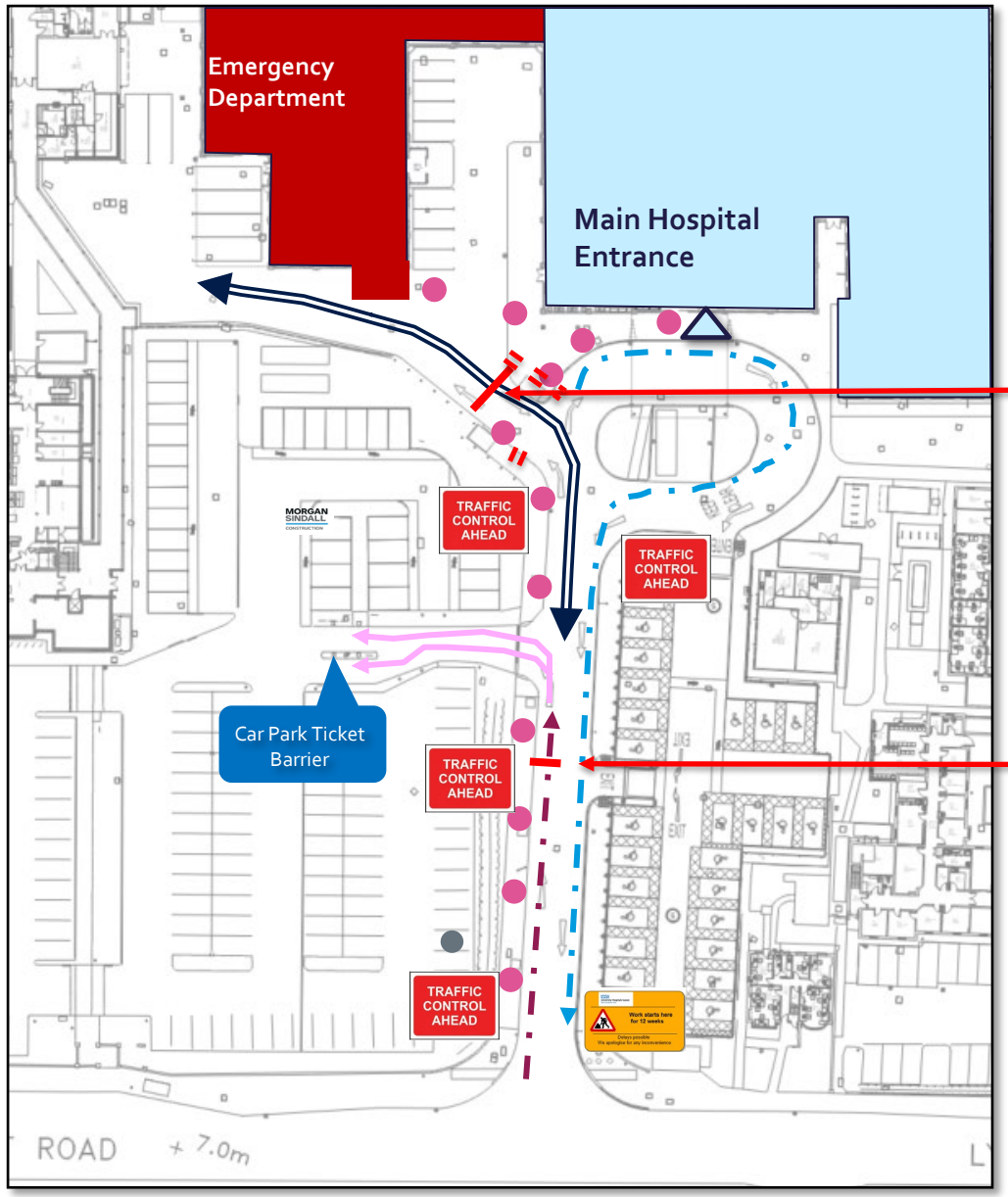
Concertina barrier or similar

Gate hut

Traffic Marshal with radio and body camera with Stop Go boards

6.7 WOR UTC South – Main Works – Traffic Management Plan Signage

MORGAN SINDALL CONSTRUCTION

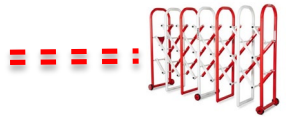


CAR PARK - STOP POINT
For staff/ visitors wishing to access the car park



Warning – Traffic Control ahead
Via manually operated Stop & Go Boards





ADVANCE WARNING for 12 weeks

NHS University Hospitals Sussex NHS Foundation Trust

Hospital Work starts here for 12 weeks

Delays to the car park possible
Contact UHS
We apologise for any inconvenience

6.8 WOR UTC South – Main Works – Traffic Management Plan

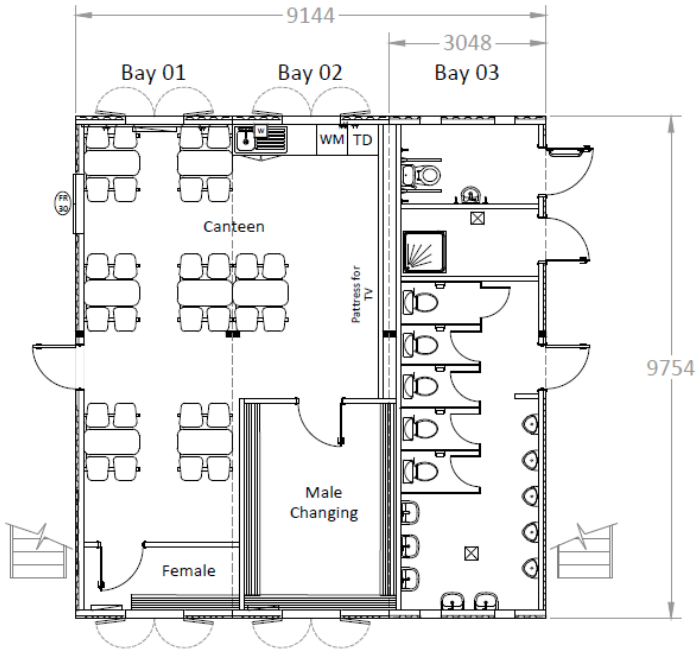
We have read the above information and have passed this onto our suppliers and can confirm that we will comply with the document

Company	Signature	Date

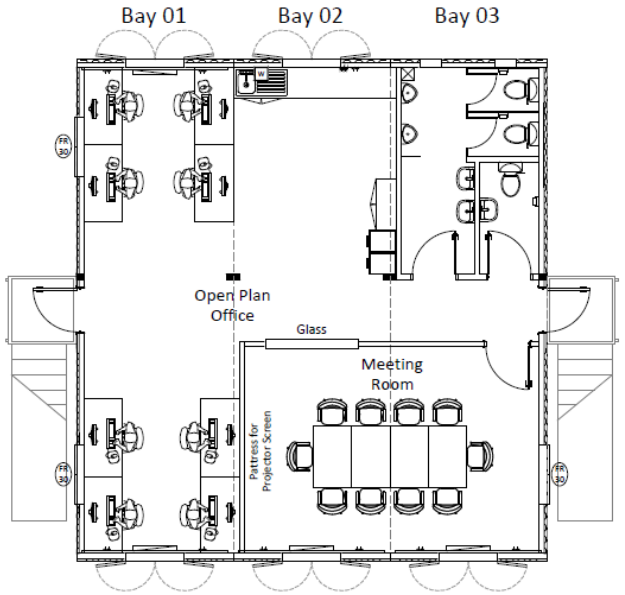
14 WOR UTC South – Advance Works – Main Site Accommodation

MORGAN SINDALL CONSTRUCTION



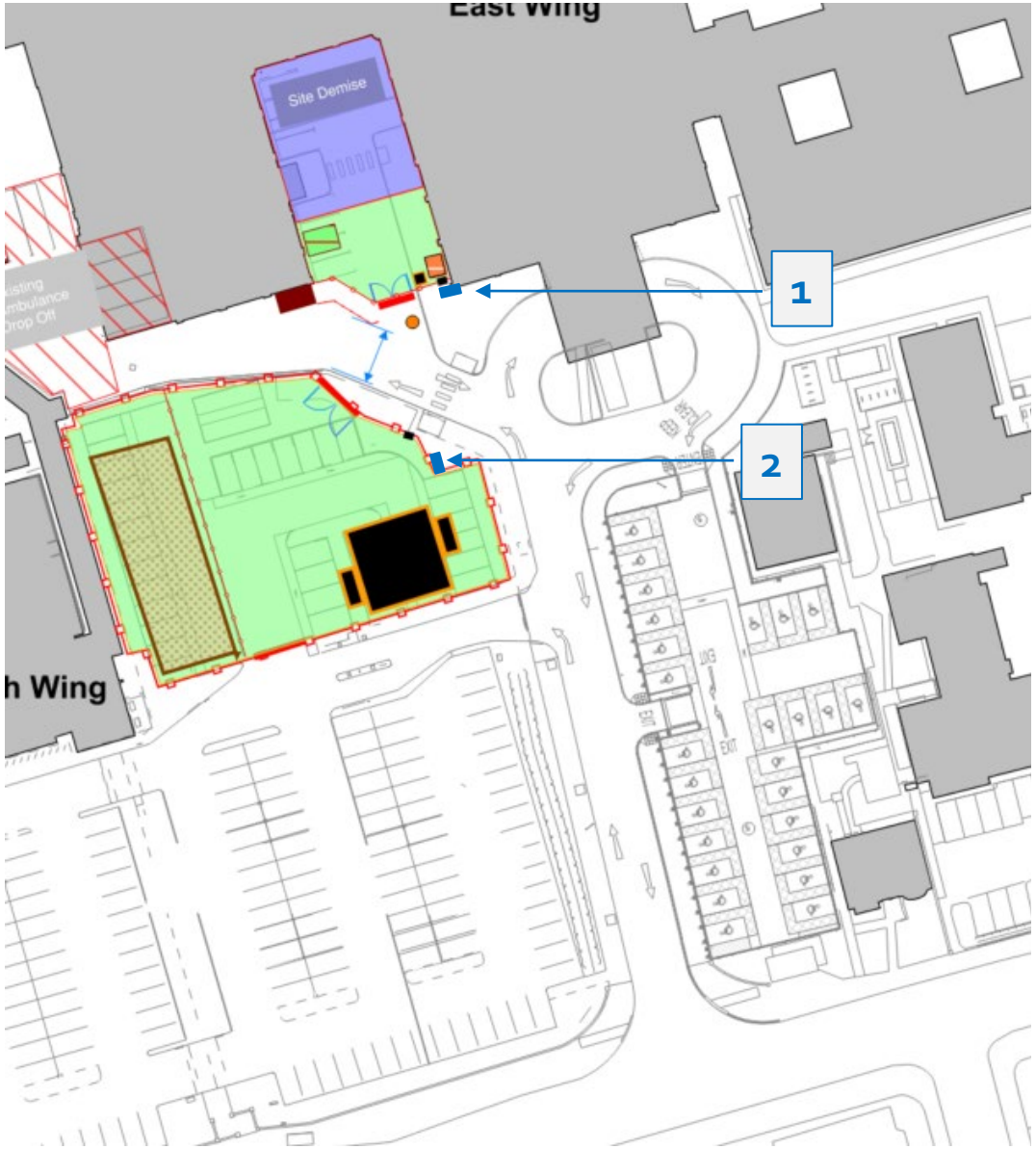


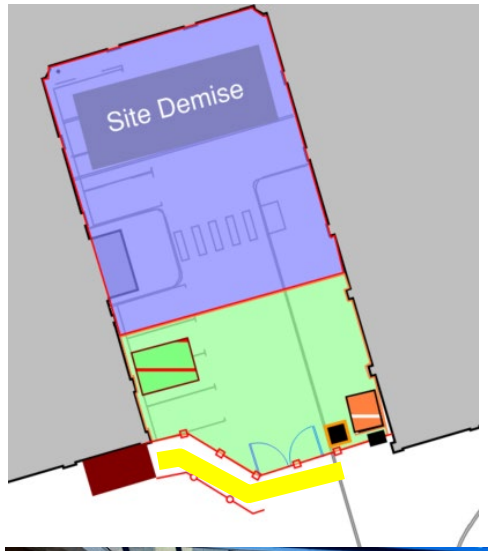
Ground Floor Plan



First Floor Plan

15 WOR UTC South – Main Works – Temporary Wayfinding & Compliance

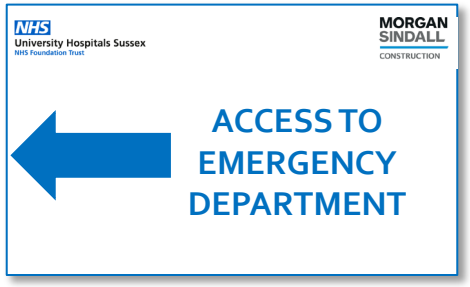








Trust Wayfinding Sign 1 –
Fixed to MSC Hoarding 800mm



Trust Wayfinding Sign 2 –
Fixed to MSC Hoarding

Crossing to Access the New Temporary ED Entrance
UHS have requested the crossing between the paved area to the temporary ED is compliant with all standards to support visually impaired visitors/ patients