# Construction & Environmental Management Plan

## Cornerstone School

**Revision: -**

**Date: 13th May 2021**

# Revisions & additional material

Please list all iterations here:

| Date | Version | Produced by | Comments |
|---|---|---|---|
| 13th May 2021 | 1st Draft | Giselle Coomber | DRAFT for comment |
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**Additional sheets / Amendments**

| Date | Section | Produced by |
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# Contents

# Contact Details

full postal address of the site and the planning reference relating to the construction works.

Address: Cornerstone School (Formerly Woodside Academy), Halt Robin Road, Belvedere, DA17 6DW

Planning ref: TBC

Contact details for the person responsible for submitting the CEMP.

Name: David McPherson

Address: Wonersh House, Old Portsmouth Road, Arlington, Guildford.

Email: David.mcpherson@gallifordtry.co.uk

Phone: 07443 876942

Contact details of the sites Project Manager responsible for day-to-day management of the works and dealing with any complaints from residents and businesses.

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Address: Wonersh House, Old Portsmouth Road, Arlington, Guildford. GU3 1LR

Email: david.mcpherson@gallifordtry.co.uk

Phone: 07443 876942

Person responsible for community liaison and dealing with any complaints from local residents and businesses (if different from Project lead).

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## Introduction

The purpose of this Construction & Environmental Management Plan (CEMP) is to help identify and assist the developer to minimise construction impacts and relates to both on site activity and the transport arrangements for vehicles servicing the site.

It is intended to be a live document whereby different stages will be completed as the development progresses.

The completed and signed CEMP will highlight the way in which any impacts associated with the proposed works, and any cumulative impacts of other nearby construction sites, will be mitigated and managed. The level of detail within this CEMP has been produced from the information available for this scale and kind of development.

This CMP follows the best practice guidelines where possible.

## Abbreviations

The following abbreviations cover the document

- CPP – Construction Phase Plan
- CTRA – Construction Traffic Risk Assessment
- CLOCS – Construction Logistics Community Standards
- FORS - Fleet Operator Recognition Scheme
- CEMP – Construction Environmental Management Plan
- LRN – Local Road Network
- PRoW – Public Right of Way
- LBB – London Borough Bromley
- NRMM – Non-Road Mobile Machinery
- CCS – Considerate Constructors Scheme

## Project Location

Cornerstone School (Formerly Woodside Academy),
Halt Robin Road,
Belvedere,
DA17 6DW

The Cornerstone Project is located at the former Woodside Academy site on Halt Robin Road in Belvedere, North of the A206.

## Existing Land Use

The development site currently comprises of existing buildings, formerly Woodside Academy.

The predominant land use surrounding the site is residential in nature. Other land uses in close proximity include:

- Belvedere Junior School
- Belvedere Infant School
- Belvedere Station
- Frank's Park
- Superstores

**Scope of works.**

The works will compromise refurbishment and new build works to provide a new school called Cornerstone School which will provide a learning environment for 90 children with SEMH and ASD needs. The project includes refurbishment of the existing school buildings (The Old Woodside School), a new building will be also built and attached to the existing building. This new build will also accommodate additional classrooms and a multiuse hall. A multiuse games area (MUGA) will also be constructed as part of this project.
The project has been split into 3 phases.
Phase 1 includes the full strip out the existing building, demolition of the parts scheduled for removal, clearing of all the overgrown vegetation and site set up.
Phase 2 is the finalising of the design and layout of the retained building and completion of its refurbishment.
Phase 3 is the construction of the new build, linking it to the refurbished building. This phase also compromises completion of the MUGA, car park and other external works

Construction of the new build will consist of piled foundations, ground beams and a concrete slab which will then have a superstructure of steel frame, SFS, masonry elevations and profiled roof deck system. The roof will be a mixture of single ply membrane to main roof and green roof to the link build.
Internally the walls will be formed from dry lined partitioning fixed to structural frame of galvanised SFS.

The refurbishment will include construction of new pods including concrete slab, steel frame, SFS, slate roof and masonry external wall repairs. The existing building will compromise a mixture of single ply membrane as part of repairs and infill of roof lights/sun pipes to flat roofs above corridors. Additionally, new PPC curtain walling, infill panels and windows. Internally new partitions will be from lightweight metal and plasterboard. All existing partition walls, masonry or stud will remain as existing with new 2mm plaster skim finish and decoration

For the demolition element of works the following pre-commencement and work activities will be carried out prior to the beginning of any asbestos removal should this be required:

- Obtain any necessary consents, including but not limited to, HSE asbestos notices, hoarding or fencing, permits to works required from Planning.
- Identify methods and procedures to comply with Section 61 of the Control of Pollution Act; 1974 agreements and consents.
- Obtain approval of method statements and risk assessments, scaffolding and temporary works designs where applicable.

Demolition and Refurbishment Surveys to establish the location and quantity of asbestos containing material within the existing outbuilding structures to be demolished will be undertaken as part of our survey works during the PCSA period.

Surveys will be undertaken strictly in accordance with the Control of Asbestos Regulations (HSG 248) and the appropriate HSE guidance in HSG 264 and will be carried out by a suitably qualified contractor in accordance with ISO 170201 and ISO 170252.

**Construction programme**

The programme of works is based on a 78-week duration with a completion in August 2022. Works will commence with the strip out and refurbishment in July 2021

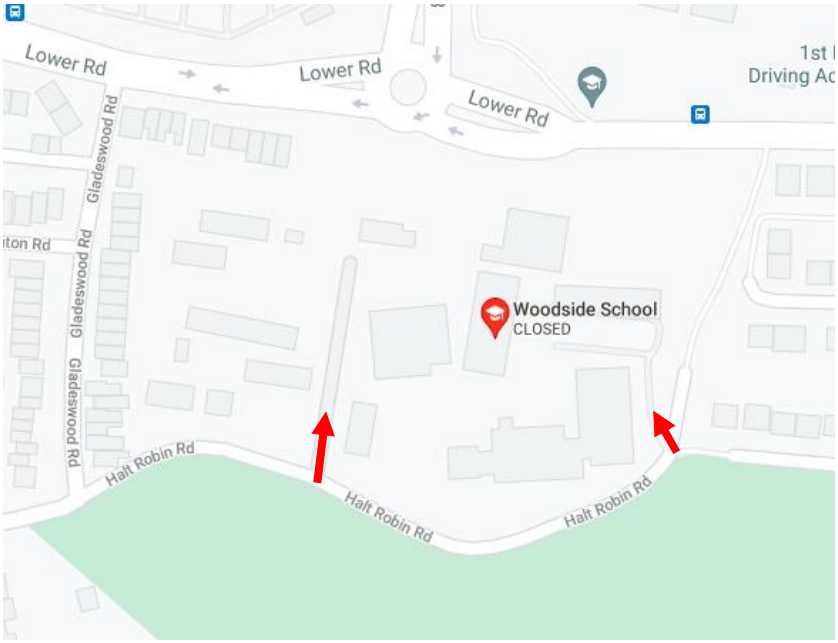
***Mobilisation***

Immediately prior to starting on site we will undertake a letter drop to all residents providing contact telephone numbers for our on-site management should any issues arise during the build relating to the community. A public consultation will be held prior to starting on site to explain the construction process and timeline for constructing the new school facilities.

The site establishment works will commence with hoardings to segregate the construction working area from the public noting the main perimeter is currently bounded by an existing fence/wall which will remain. All the suppliers and supply chain contractors will be issued a traffic management plan which will confirm the vehicle restrictions. There will be a daily logistic meeting on site with the contractors and schedule will be produced to coordinate the timed deliveries.

***Construction Access***

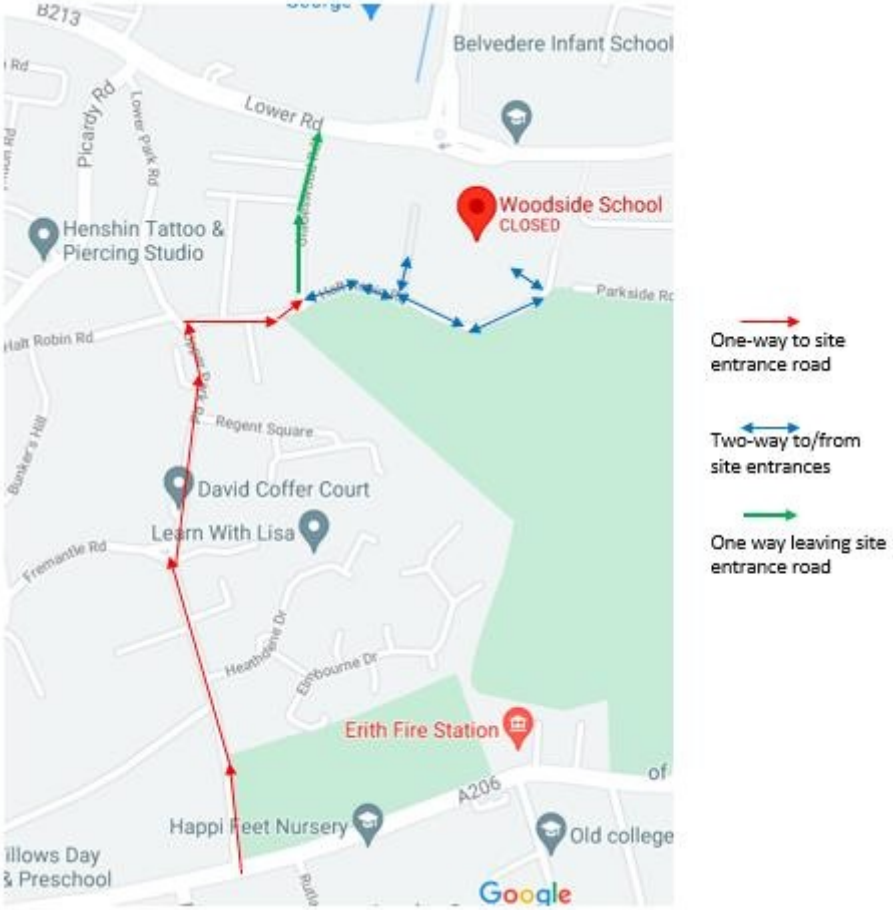
Access will be via the two existing access roads off of Halt Robin Road.




Access to Halt Robin Road is accessible from residential roads, Gladeswood Road, Lower Park Road and Upper Park Road, which can be fairly narrow due to residents parking on the street, thus making

accessibility for larger vehicles difficult. Additionally, Halt Robin Road is narrow in itself and a no through road, making a one-way system here not possible.

A one-way system to and from the “no through entrance” of Halt Robin Road will be implemented to reduce congestion on the surrounding roads, as pictured below.




Construction vehicles will be directed from the A206, up Upper Park Road then right to Halt Robin Road leading straight to site. They will then be required to leave from Halt Robin Road right onto Gladeswood Road and onto the B213, which leads back to the A206 and eventually the A2. These are proposed as being used as the main lorry routes to and from the site. Light or small vehicles, in the main will approach from the same direction, however, should access to the site from either direction be limited the smaller network roads will be utilised to limit risk of congestion. It is not envisaged that there are restrictions on heights of vehicles from either direction.

The two site entrances (pictured below) are via existing gates until the site establishment is in place and new gates installed as part of the enabling works. Through gate A, to the West of site, parking spaces will be created as part of the phase 1 works which will be utilised by the contractor and minimise any requirement for on street parking on the surrounding residential roads.

The construction traffic will be controlled by dedicated gateman / banksman to both gates, thus preventing any unauthorised access to the construction works. The entry to the site will be controlled at the gatehouse on gate A, where all personnel will report to the gateman. An electronic turnstile will control and monitor access for construction operatives, site visitors and Galliford Try management team.

All deliveries will be controlled at the site entrance and directed to the unloading area. The deliveries will turn around within the site boundary. There is room on site to accommodate the main delivery vehicle and a waiting vehicle at the site entrance. We will ensure that vehicles are kept on site rather than any 'stacking' in adjacent roads. The existing road network, particularly due to residents parking, will dictate that all deliveries will need to be via rigid vehicles.

***New Build***

*Foundation Works*

A large cut & fill exercise is to be undertaken across the site to the new build area, road and car park area, MUGA and green and footpath areas. A 2m strip around the perimeter of the new building will be reduced to create a working platform. The piles will be installed along with ground beams and then pre-cast concrete planks. From this the steel frame can be erected.

*Structure, Facade and Roof*

The building structure consists of a structural steel frame, composite concrete first floor slab and a SFS infill. The façade is formed of single leaf facing brickwork tied to the insulated SFS to parapet level.

A profiled steel roof deck system (acoustic above Sports Hall) will be used, and a composite concrete slab to the plant area. Followed by a single ply membrane. Folding handrails will be installed to the perimeter of the roof.

*Internal Areas*

The internal works will progress with dry lining plasterboard walls. Lay in grid ceilings are specified throughout other than showers and hygiene rooms where plasterboard ceilings are to be installed. Once the building is watertight, we will commence the joinery and internal finishes.

The internal fitting out period includes sufficient time for testing and commissioning of all building systems prior to completion, as an integral part of our handover and soft-landing strategy.

***Refurbishment***

*Structure, Façade and Roof*

New pods will be of traditional construction using steel frame and SFS infill with concrete floors. The façade will also be single leaf facing brickwork with aluminium windows. Pod roofs will be pitched, consisting of timber rafters fixed back to the existing wall, finished with slate.

The existing building will require roof repairs consisting of of single ply membrane and infill of roof lights/sun pipes to flat roofs above corridors. A fixed perimeter handrail will be installed around the new kitchen plant. Curtain walling will be replaced in the North lobby and new windows installed throughout.

*Internal Areas*

Internal walls to pods and new walls within the existing building will be constructed from plasterboard. All existing partition walls, masonry or stud will remain as existing with new 2mm plaster skim finish and decoration.

Internal doors, ironmongery, ceilings and finishes will be replaced throughout.

***External Areas***

During phase 3 of the project, during the new build element, the hard and soft landscaping areas will progress around the building including the MUGA, Car Park and retaining walls. Surface finishes compromise mainly of tarmac, with bound gravel within the play area. A large amount of existing vegetation is to be retained around the perimeter of the site, along with some new trees, shrubs and grass and wildflower areas. Furniture includes covered cycle parking, growing beds and benches.

The existing pallisade fence along the existing MUGA boundary is to be clad with closeboard fencing and new weldmesh fencing to the remainder of the perimeter. This will also be installed to some internal areas, along with sports fencing, timber hit & miss vertical fencing and balustrades.

A full programme scheduling these activities is attached within the appendices.

**Site Administration and Responsibility**

Responsibility for construction traffic movement is that of the Project Manager who together with the Site Team will,

- Ensure that subcontractors and suppliers adhere to procedures set out in the pre- commencement conditions by booking in deliveries giving the required notices.
- Prevent unauthorised contractors parking and the congestion of traffic. All personnel in the team will be in contact with each other and site management who in turn will have mobile and telephone contact with the subcontractors.
- Provide security at the access gates.
- Maintain roads in a clean and safe condition.

It is recognised that all deliveries are not notified to ourselves; such deliveries are usually smaller deliveries by third parties and on occasion simply not booked in. Deliveries from overseas often have difficulty in providing accurate arrival times. The Site Manager and traffic marshalls will manage the delivery situation with the priority to get the vehicle off the shared road system and within the site. Other options open to the team are to send deliveries away (persistent offenders) or temporarily send deliveries to a lorry park with a return time. We reiterate that vehicles will not be allowed to lay-up along or adjacent to public roads.

**Site establishment.**

Galliford Try regards the initial site set-up as being fundamental on the Cornerstone School project. It is at this stage when the Site is made secure through hoardings and lighting, Site Welfare and Offices Facilities provided, Noise and Dust Control measures put in place and Traffic Management Signage erected.

We have visited the site and have used the tender stage of this project, to prepare our site set-up drawing *(logistics plan attached)*. Site logistic issues and traffic management issues have been meticulously reviewed and a site set-up which best meets the projects requirements has been allowed for.

Galliford Try is a registered partner of the Considerate Contractor Scheme **(CCS)** and we recognise the fact that we will be carrying out construction work of varying complexity and impact in close proximity to existing neighbours / Public and adjacent buildings. In terms of site organisation, we have identified clear zones for:

- Reception / meeting room space
- Welfare facilities
- Secure Storage Area
- Lay-down Area
- Lifting areas
- Recycling location / skip storage
- Contractor parking

Upon commencement, the site will be registered with the CCS which will have project specific information which will be displayed at the front entrance of the site and along the hoardings to the main road elevation. This will contain information for “out of hour’s” point of contact for the public as well as the local authority information and job specific details.

Galliford Try will provide temporary hoardings / netting / screens around all work areas and we will maintain these to the highest standards for the duration of our work. This will ensure that construction works are always secure from unauthorised access and segregated from the public. We will agree the type, finish, extent, layout and decoration of all hoardings, however, standard Galliford Try colours will be applied unless instructed otherwise. Scaffold debris netting will be provided to all scaffolding where necessary.

Hoardings will be a standard 2.4m high, painted Grey & Red in line with company requirements. The Hoarding design and erection works will be carried out by a qualified subcontractor. Weekly inspections of the hoarding will be carried out by the Galliford Try site management team as part of the checks to all on site temporary works. These records will be kept within the site files.

Site accommodation will comprise of 8 no. 30ft units. Within these cabins, there will be a canteen, drying room facilities, showers, male/female WCs, meeting room space, kitchen and offices. There will be a separate gatehouse facilities located next to the entrances control the delivery vehicle access in addition to the turnstiles for foot traffic.

**Working hours**

It is envisaged that site will be operational between the hours of:

08:00 - 18:00 Monday to Friday and

08:00 - 13:00 on Saturdays.

This will be subject to approval from the local planning authority.

**Contact Details for Residents**

The Project Manager will be the focal point for all queries during the project and their details are below. The only time that this will deviate will be during periods of annual leave or training that the named individual takes.

| | |
|---|---|
| Position: | Senior Project Manager |
| Name: | David McPherson |
| Contact Details | (Tel.) 01473 477000 |
| | (Email) david.mcpherson@gallifordtry.co.uk |

The project will also be registered with the CCS which will have project specific information which will be displayed at the front entrance of the site and along the hoardings to the main road elevation. This will contain the information mentioned above in addition to the scheme’s specific registration number for any issues anyone can discuss with the schemes monitors.

**Environmental**

**Tree Protection**

Further to recommendations from the tree survey conducted by Acornarb on 9th of March 2020, a construction exclusion zone will be set up to the South of site to protect the 3 nr large trees. The fencing will not be removed until the landscaping phase is ready to begin. Root protection areas around the same trees will be clearly marked out by an arboriculturalist prior to any works commencing.

No trees are subject to a tree preservation order and the site is not within a conservation area.

**Noise & Vibration measures**

There are many general measures that can reduce noise levels at source such as:

- avoidance of unnecessary revving of engines and switch off equipment when not required,
- keep internal haul routes well maintained and avoid steep gradients,
- use rubber linings in, for example, chutes and dumpers to reduce impact noise,
- start-up plant and vehicles sequentially rather than all together.
- The movement of plant onto and around the site will have regard to the normal operating hours of the site and the location of any NSPs as far as is reasonably practicable.

The use of conventional audible reversing alarms has caused problems on some sites and alternatives are available. This will be explored with the contractors likely to be involved with the scheme and where practicable, alternative reversing warning systems will be employed.

As the site is directly alongside a residential environment, lorries will be restricted to arrive or depart from the site within time slots. This will however be managed to ensure the residents of Halt Robin Road and Gladeswood Road are consulted prior to construction works commencing.

A consideration for this site is the impact noise when erecting the steel frame. This can be reduced by utilisation of correct work tools and methods of installation. Further noise reduction can be achieved by enclosing the area of work operations with an acoustic shroud. This is not envisaged as a requirement due to the location of the building footprint in relation to residents, however, neighbours will be consulted prior to works being undertaken. A noise meter will also be utilised to record emission levels to ensure pollution doesn't increase over an acceptable level.

For vibration measures it is intended that good relations with people living and working near site are established early. Maintenance of these relations throughout the course of site operations will go some way towards allaying people's fears of the construction works.

Site intend to implement several measures with regards to the substructure operations with regards to vibration management. These will include the hours of working being planned and relayed to the adjoining neighbours. Where reasonably practicable, low vibration working methods will be employed and this will be advised by the specialist contractor.

## Dust

Galliford Try will work to ensure that all our contractors follow best practice always to control and limit emissions of gaseous and particulate pollutants into the atmosphere from the construction and demolition activities at Cornerstone School. These will include dust suppressant technology at locations around the site during summer and busier months to prevent dust spreading to adjoining properties. It is the intention to form permanent surfaces externally that will minimise and control this risk. Air quality monitors will be utilised from day one to take base readings prior to works commencing. These will then be measured at regular agreed intervals to ensure the risks are removed or minimalised. Should elevated levels be encountered the project manager will cease works until measures are implemented to reduce and remove this problem.

Galliford Try will create Local Impact & Nuisance Management Plans for some of the sub-contract packages to tailor measures specific to each element of work and will use guidance from BS 5228 'Noise Control on Construction and Demolition Sites' as the best practice guideline. Some of the control measures which we will utilise on this project include;

- Tool Box Talks In accordance with BS5228 will be provided to operatives on noise and vibration to ensure the whole workforce is aware of best practice for reducing noise and vibration.
- Within task specific method statements, noise advisory levels and noise action levels will be identified to ensure safe control over the works.
- Plant and equipment will be powered down when not in use to avoid unnecessary noise and vibration.
- All plant and equipment will be properly maintained in accordance with manufacturer's instructions.

Plant will be selected with the task in mind to ensure appropriate size plant and equipment is used in accordance with task requirements. Noisy operations will only be carried out during our designated working hours as confirmed above.

Prior to the commencement of the proposed development, details shall be submitted to, and approved by, the Local Planning Authority of all Non-Road Mobile Machinery (NRMM) to be used on the development site.

All NRMM will meet, as a minimum, the Stage IIIA emission criteria of Directive 97/68/EC and its subsequent amendments unless the contractor can demonstrate that Stage IIIA equipment is not available. An inventory of all NRMM will be registered on the sites NRMM register (https://nrmm.london/user-nrmm/register).

## Light pollution

The project will have several temporary external lights located around the entrance and within the building during the construction stage. These are identified within our proposed site plan, however, with the changing environments of construction projects these may be amended depending on site activities.

To illuminate the entrance and provide clear routes for operatives, staff and visitors the site hoarding to the main road (Halt Robin Road) will have bulkhead lighting erected. This will be on a photocell and/or a time clock and only function within set periods defined by site. This will alter depending on the time of year that they are erected.

Floodlights are proposed to the temporary car park area which will operate under the same controls of the hoarding lights (time clock/photocell). These will be directed to the compound area and pathways to the main entrance/car park primarily for use during winter months.

**Community liaison**

Galliford Try will undertake a neighbourhood consultation process prior to commencing on site. Given the quantity of residential properties in the area this will be instigated initially via letter drops with site details contained. This will advise routes for consultation and contain topics such as construction impacts,

This consultation period prior to commencement on site will also include contacting the commercial properties in the area along with all those individuals that stand to be affected by the proposed construction works. These individuals will be advised that the CEMP is available should they wish to see this document.

Significant opportunities will be available throughout the scheme by running an effective neighbourhood consultation process but also by setting out and informing residents of our Employment Skills Plans (ESP). Galliford Try work in the spirit of cooperation rather than one that is dictatorial and unsympathetic to the wellbeing of residents and businesses. Our focus is to cause as little disruption as possible during the construction phase and work collaboratively with all stakeholders.

**Travel plan**

Construction vehicle movements will generally occur throughout the day and the Cornerstone School Site will accept deliveries between 8.00am to 4.30pm on weekdays and between 8.00am and 1.00pm on Saturdays (only as a last resort).

As part of the Galliford Try pre-start process for the supply chain we will ensure that our members are aware of restrictions on deliveries and stipulate they arrive at the correct part of site at the correct time. Instructions explaining such plans will form part of subcontract orders and they will also be issued with the site logistics GA and delivery route map.

**CLOCS**

Galliford Try along with our clients are committed to maximising road safety for Vulnerable Road Users (VRUs) as well as minimising negative environmental impacts created by motorised road traffic. As such, all vehicles and their drivers servicing construction sites within the London area adhere, where practicable, to the conditions laid out in the CLOCS Standard.

As principal contractor with a duty of care for those affected by our works will work to ensure that all contractors and sub-contractors attending site are compliant with the terms laid out in the CLOCS Standard. This will be managed by our site management team but also raised prior to orders being placed with supply chain members.

Galliford Try will assist with checks on the measures implemented from the outset and will aid the council should they wish to undertake any further checks on compliance for the project. Please refer to the CLOCS Standard available at WWW.cloc.org.uk for further advice or guidance on any aspect of this section.

**Parking and Compound arrangements**

The hard standing area to the West of site will be used for contractor parking. Hardstanding to the East of the existing MUGAs will be used for cabins and welfare facilities.

Vehicles will be contained within one area within a short distance of the site welfare facilities. Routes for foot traffic to the site set up will be clearly identified as well as lighting which will be on timers and allow suitable coverage across the compound, entrance and parking areas.

Site speed limits will be set to 5mph and suitable signage will be erected to this effect. This will be managed from the point of entry to site by the gateman who will direct the traffic to the correct locations on site and advise the relevant contractors on their arrival.

**Access to the site**

Access/Egress to the site will be via Halt Robin Road. The main site entrance will be controlled by a gateman stationed at the main gate. A pedestrian Gate will be controlled by a turnstile to get on to site. All visitors including site operatives will be required to sign in and out using the turnstile prior to gaining entry to the site with an attendance record maintained on the site.

Vehicles will access the site via Halt Robin Road where Site Traffic management staff i.e. a gateman/traffic marshal will aid incoming vehicles. Moveable barriers/gates will be used by the traffic personnel to segregate the public from site traffic while they are entering and exiting the site. All vehicles will not proceed onto site without the instructions of a banks man.

All roads and footpaths near the Site will be maintained by way of wheel wash and road sweepers and on completion of the works the adjoining public areas will be reinstated to the condition they were found in at the start of the works (as seen on the delap survey).

All vehicles leaving the site will have the tyres and under carriage power hosed to ensure no debris or dirt are brought outside of site and sullying the surrounding area.

Vehicles entering and leaving the site will be carefully managed, using gates that are clearly marked and free from obstacles. Traffic marshals will ensure the safe passage of pedestrians, cyclists and other traffic when vehicles are entering and leaving site, particularly if reversing.

***Instructions to Vehicle Operators***

- Drivers of vehicles entering the site should abide by the following instructions:
- Keep to the defined delivery routes / allowable roads.
- On approach signal to other users of your intention by switching on your hazard lights and amber flashing beacon.
- Pull out of traffic flow and into site access point.
- Await trained Banksman to signal you onto site.
- Never exceed the site speed limit of 10mph.
- Wear full PPE (hard hat, Yellow hi-visibility vest, safety footwear, gloves, and light eye protection) when out of the cab.
- Only exit the cab when advised it is safe to do by the traffic marshal or Site Foreman.

- Drivers must not make or receive phone calls whilst driving the vehicle on site.
- Please report (to the nearest member of the site team) any oil / fuel spills, which occur while you are on site.
- Be considerate to network users and members of the public, stick to the speed limits on public roads.

**Site logistics (loading/unloading of materials and plant)**

The major deliveries anticipated for the Cornerstone School project will be:

- Structural steel sections
- Bricks
- Pre-cast concrete planks
- Windows / Curtain wall glazing
- Plasterboard
- Roofing materials
- Construction Waste Skips
- General Supplies.
- Concrete

We have identified a secure area within our site for the storage of Plant & Materials, however, it is very important that these deliveries are efficiently controlled and managed to minimise disruption and inconvenience. The storage area location is identified in the site layout plan. As part of our organisation chart we have appointed a logistics manager to coordinate all these deliveries to the site. This will run concurrently with an online system through MSite where deliveries are booked in advance.

Every day a list of all deliveries required will be pre-prepared on a daily delivery schedule. This information will then be reviewed and scheduled to eliminate continuous deliveries and delivery due times will also be carefully considered to avoid peak traffic times. The number and level of deliveries will be constantly reviewed with the frequency and size of each delivery continually monitored to ensure that the minimum number of deliveries occurs.

It is anticipated that the ground works and piling stages will be peak period for on-site traffic. This is likely due to frequent concrete deliveries as well other on site deliveries.

Vehicles entering the site will be directed to the vehicle laydown area by a trained traffic marshal. Deliveries will be unloaded using vehicle Hiab or the site telehandlers. Site Materials such as backfill, precast units, steel, etc. will be stored in a designated material laydown area and for tools and building equipment there will also be a designated area for secure cabins to be positioned.

All vehicles leaving the site will have the tyres and under carriage power hosed to ensure no debris or dirt are brought outside of site and sullying the surrounding area. This will be carried out near the exit gate by the traffic marshal/gateman.

### Means of Site enclosure

The site will be enclosed and secure from unwanted trespassers by way of hoarding and gates. Galliford Try will ensure that effective hoardings are in place at all times so that works are always secure from unauthorised access and segregated from the public. These measures will be reviewed periodically as works on site develop and maintain these areas as required. Galliford Try will agree the type, finish, extent, layout and decoration of all hoardings with the client / employer prior to erection. Galliford Try procedure is to erect a 2.4m high timber hoarding following the completion of a temporary works design suitable for the existing site conditions.

### Security

Galliford Try will adequately safeguard the site, the works, products, materials & plant affected by the works from damage and theft. Issues such as noise, pollution and nuisance will be kept to an absolute minimum so as not to infringe on the rights of neighbouring owners/tenants.

All visitors to the site will be issued with safety helmets and any other appropriate personal protective clothing and where they are not familiar with the site, be expected to attend a visitor's site induction and then be escorted by a responsible member of the site team during the site visit.

Lighting will be provided by way of bulk heads to the entrance hoarding as way finder lighting but also to the compound during the operational hours of site. Flood lights will be provided to the compound but controlled by way of timers so as not to cause light pollution to the surround properties.

At the main entrance, it is proposed that a maned gatehouse will control access of vehicles and the foot traffic will pass through a turnstile located off the main road.

CCTV will be in operation at the entrance to monitor vehicular flow which will record movements for 31 consecutive days. This will be monitored out of hours incase of break ins.

### Recycling/Disposing of Site Waste Materials

Procedures for site waste and recycling is detailed in the Cornerstone School Site Waste Management Plan.

### Temporary Works requirements

A schedule of temporary works has been developed alongside the structural engineering consultant. This schedule will be reviewed by a specialist temporary works engineer so all areas have been considered and adequate designs are in place before each element is due to commence. The main elements include temporary propping permanent structures, substructure supports for ground works, goal posts, scaffolding and crane and concrete pump platforms.

### Scaffolding

Conventional scaffolding, where required, will be independent with boarded lifts to suit the nature, location and type of the particular operations. All scaffolding will be securely tied to the structure and will include suitable stair and emergency ladder accesses.

Scaffolding will be provided, erected and maintained in accordance with all current statutory regulations. In addition brick guards, will be provided on the 'live' lifts.

Suitable guard railing will be utilised to prevent falling from unprotected edges of the excavations, upper floors and staircases as applicable.

No person other than certified competent scaffolders will be permitted to erect, alter, adapt or dismantle any conventional scaffolding.

**Hazardous Substances**

Any materials which fall under the COSHH regulations shall be stored in a suitable container in accordance with the COSHH sheet and manufacturer's instructions. In general these materials shall be stored in a locked enclosure, with appropriate bunding to ensure that no discharge into the local environment is possible.

A spill kit will be available for all storage areas and an action plan will be in place to deal with any accidental discharges such as spillages, along with emergency plans for relevant activities.

**Public Safety**

The safety of the public and the workforce is paramount to Galliford Try during all construction operations.

Consideration of the public will be the first consideration during all activity planning. Robust and secure fencing will border the site to ensure that access is not possible for members of the general public. The construction site will have its own dedicated access to avoid interface and conflict with the surrounding pavements. Adequate warning signage will be placed on all fencing to ensure the hazards are clearly visible to all passing pedestrians.

When construction vehicles or deliveries are approaching the site, they will be met by the site banksman / traffic marshal, who will manage the safe access and egress of construction related vehicles. All deliveries will be booked in advance, and a delivery log will be kept at the gateman's office.

Deliveries will be notified in advance to the traffic marshal especially at peak periods such as muck- away / concrete pours. A fifteen-minute warning has been used successfully elsewhere.

A holding area for deliveries within the site will be established as per the logistics plan in Appendix A to ensure that deliveries are not blocking the main road and/or footpath. The advance booking system will avoid congestion, and an off-site holding area may be required at peak delivery periods.

Galliford Try will ensure sufficient control of all sub-contracted works to ensure that no risks are placed on the public.

During the construction phase of the project, fire assembly points will be clearly shown on site traffic management plans. Joint fire drills will be held with the occupied school if practicable to ensure that all parties understand the fire routes and assembly points. Additional fire drills will be held in the event of significant changes in the fire safety plans due to different phasing of the project.

## Public Transport

Galliford Try will encourage all sub-contractors and staff to use public transport wherever possible to commute to the site.

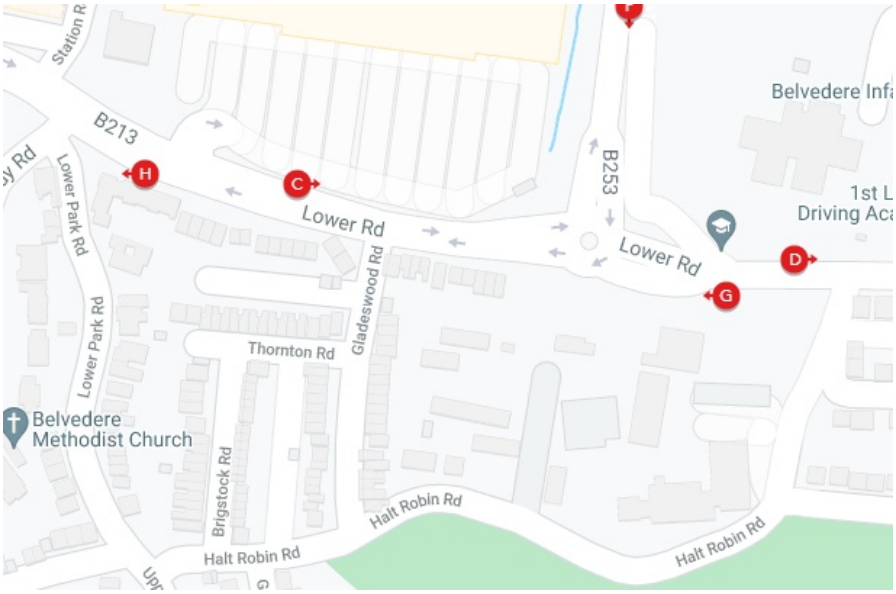
Galliford Try will include a section on public transport within the site induction to inform all operatives of the access via local buses, train or cycling. The site is located close to a number of local bus stops, as well as an over ground over railway station. Cycle storage will be supplied for those wishing to cycle to work on this site.

Details of the methods of public transport will be posted up within site canteens and welfare areas with times and costs to encourage personnel to use these methods.

*Bus Service*

The Department for Transport suggests that the maximum distance individuals walk from a bus stop to a destination is 400m. Based on walking distance, bus stops located within 400m of the site are detailed in Table below.

| **Bus stops within 400m Bus Stop Name** | **Ref Letter (as shown on below map)** | **Bus Route** | **Distance from Site** |
|---|---|---|---|
| Lower Road/Belvedere Station (East) | C | 229, 401, 469 | 293m (North-West) |
| Lower Road/Belvedere Station (West) | H | 229, 401, 469 | 359m (North-West) |
| Halt Robin Lane (West) | G | 229, 469 | 320m (North) (via footpath to East of site) |
| Halt Robin Lane (East) | D | 229, 469 | 296m (North) (via footpath to East of site |



| Route Number | Route Description | Frequency |
|---|---|---|
| 229 | Thamesmead Town Centre - Queen Mary's Hospital / Chislehurst Road | 8-12 minutes |
| 401 | Bexleyheath Clock Tower - Anderson Way | Average 15 minutes |
| 469 | Erith Town Centre / Riverside - Queen Elizabeth Hospital / West Entrance | Average 15 minutes |

*Rail service*

The site is approximately 603m south of Belvedere Station which is on the Southeastern line and provides connections into Central London and South East.

**Plant Selection / Emissions**

Galliford Try has a comprehensive environmental management recording system to capture details of all emissions which are produced because of construction activities. Each month the data collated from the signing in register, delivery induction and records and other construction information areas collated into a report to calculate total emissions. These are monitored and then targets are set for reducing these emissions. This is an important management tool and helps Galliford Try understand trends and set improvement targets.

To help reduce emissions all vehicles and plant will be turned off when not in use and not left idling. All vehicles will be properly maintained and serviced. Where possible silenced plant will be used to reduce the noise impact of construction operations. Where these items are unavailable or economically unsuitable and works are taking place close to residential properties, noise monitoring will be employed to ensure noise limits are within acceptable levels.

**Highways Works**

It is envisaged that there are no S278 works required
We will liaise with the local highway authority for agreement before works commence if required.

**Key Contacts**

This project will be managed from Galliford Try's regional office in Guildford and a site office will be established at the school for site management to oversee the day to day running of the site. The personnel listed below will be involved throughout the duration of the project and can be contacted regarding any query or concern in relation to the project.

Mark Greaves – Operations Manager – Mark.greaves@gallifordtry.co.uk – 07710 169386

David McPherson – Senior Project Manager – david.mcpherson@gallifordtry.co.uk - 07443 876942

Environmental Manager – Lucy Barrett – lucy.barrett@gallifordtry.co.uk - 07593 561840

Community Liaison Manager – Heather Bryant – Heather.Bryant@gallifordtry.co.uk - 07484037670

Head Office - Guildford – 01483 477 000

Contact details will be posted on the site hoarding.

# Agreement

The contents of this Construction Management Plan have been compiled for our clients London Borough of Bexley and The Department for Education for submission in writing to assist with the discharge of planning conditions. This will remain a live document throughout the build programme and as such may require the CEMP to be revised by the Principle Contractor and reapproved. The project manager shall work with the Council to review this construction management plan if problems arise in relation to the construction of the development. Any future revised plan must be approved by the Council in writing and complied with thereafter.

It should be noted that any agreed construction management plan does not prejudice further agreements that may be required such as road closures or hoarding licences.

**For and on behalf of Galliford Try**

**Name (Print):** David McPherson

**Signed:** ……

**Date:** …….

**Client receipt of CEMP**

**Name (Print) : …….**

**Print Name:** ……..

**Position:** ……

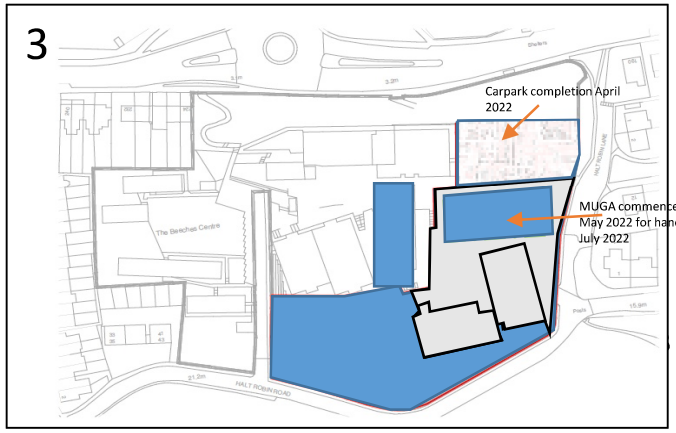
# Appendices

1. Site welfare & logistics phasing plan(s)
2. Traffic Management Plan (TMP)

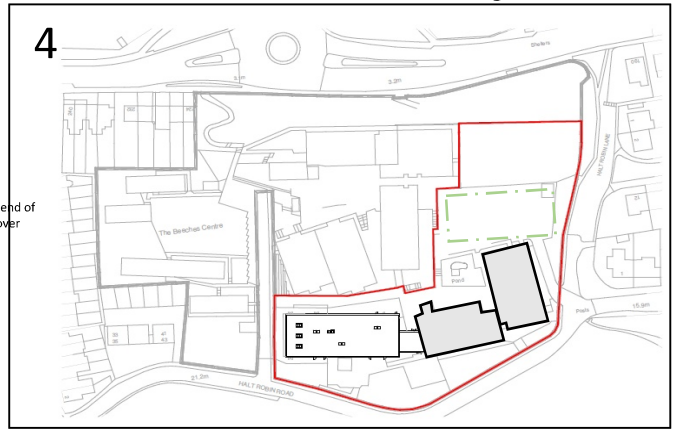
# Phasing Plan – Cornerstone School


JUL 2021: Site handed over to GT - Works commence (strip out)


Refurb JUL 2021 – MAR 2022: GT Complete refurb work & commissioning with New Build



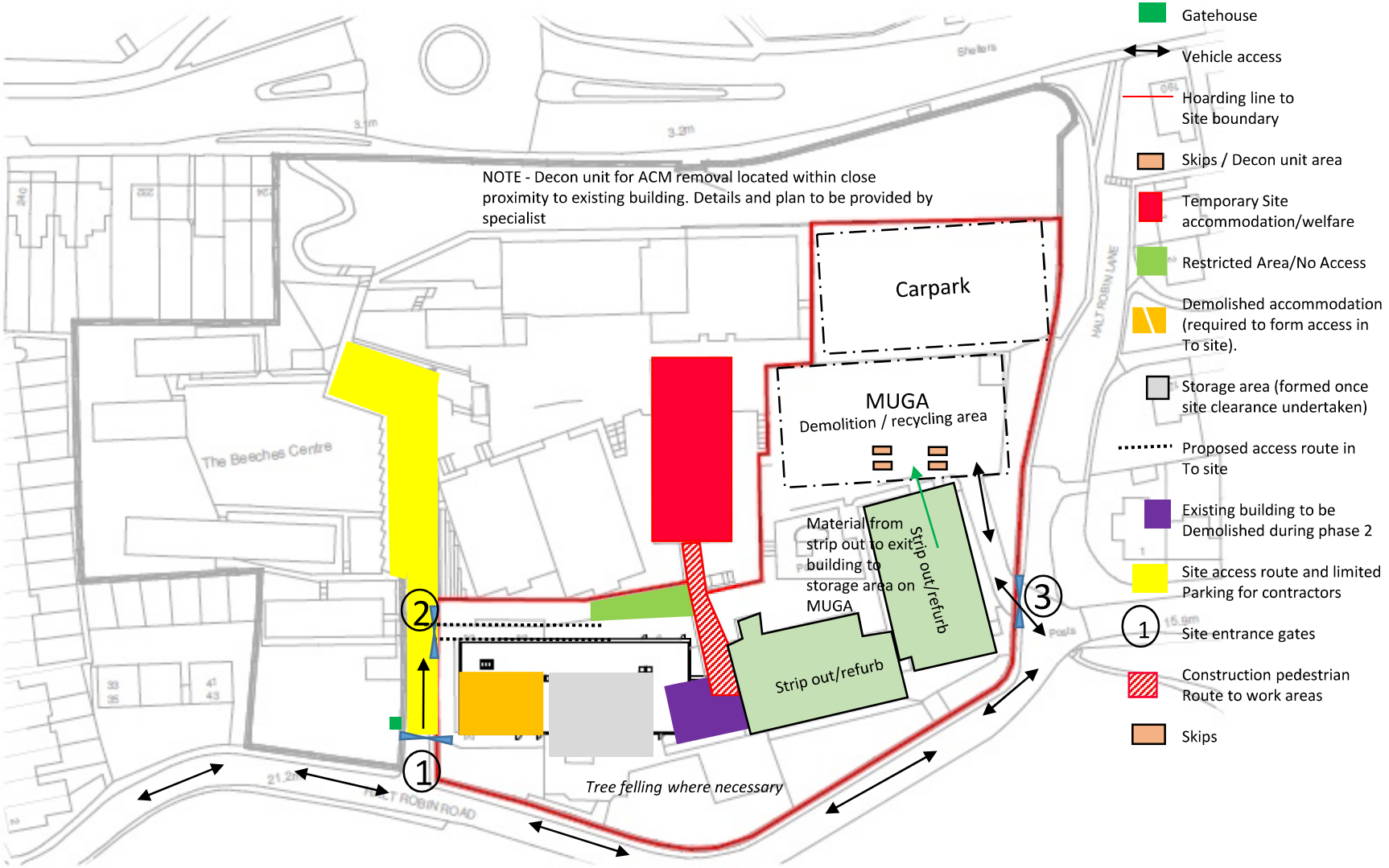

New Build OCT 2021 – AUG 2022: Works commence to remaining area (New Build and External Areas)




AUG 2022: Practical Completion – All works complete and handed over

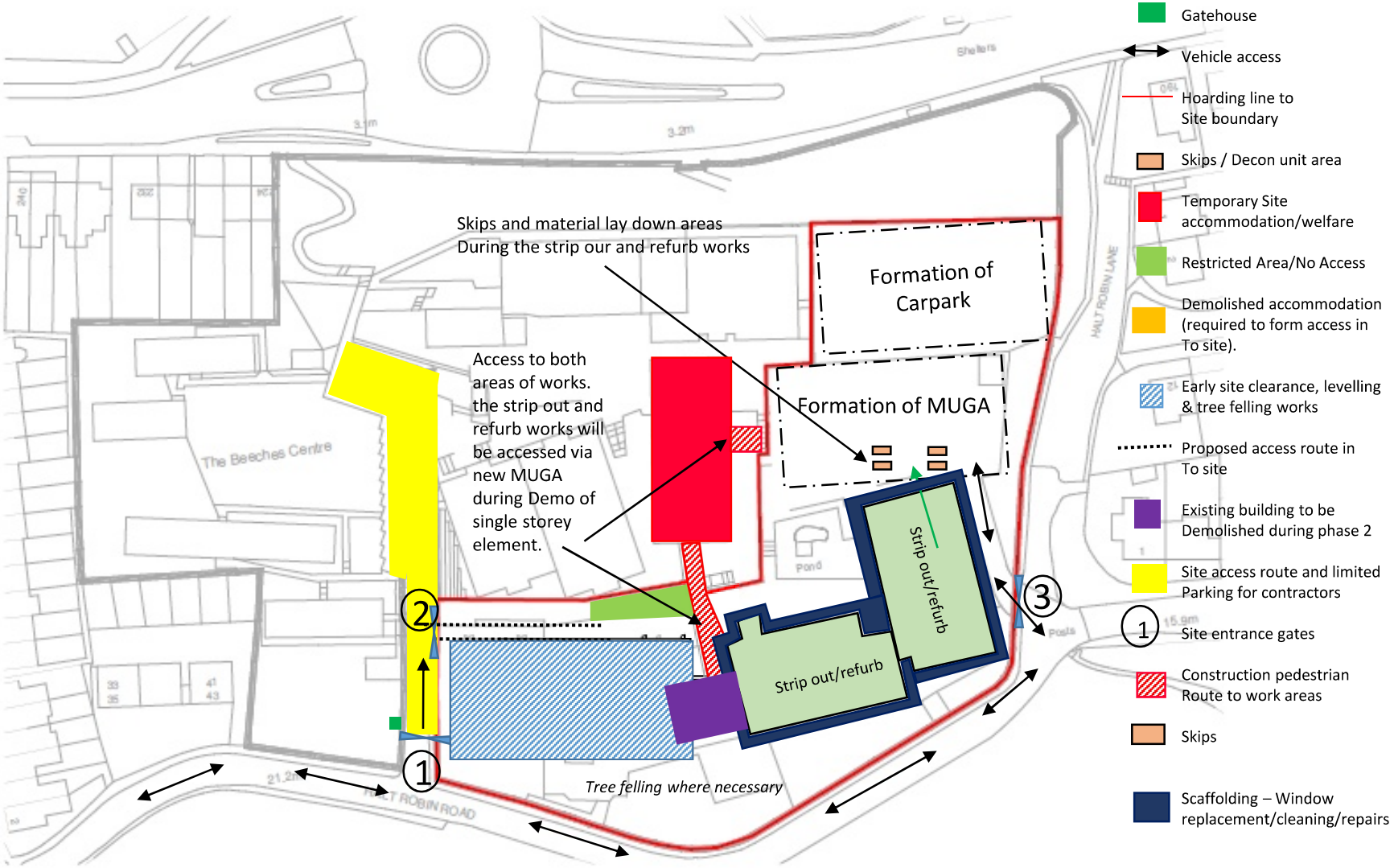
# DRAFT Logistics Plan - Cornerstone

– Phase 1 (demolition & site set up)



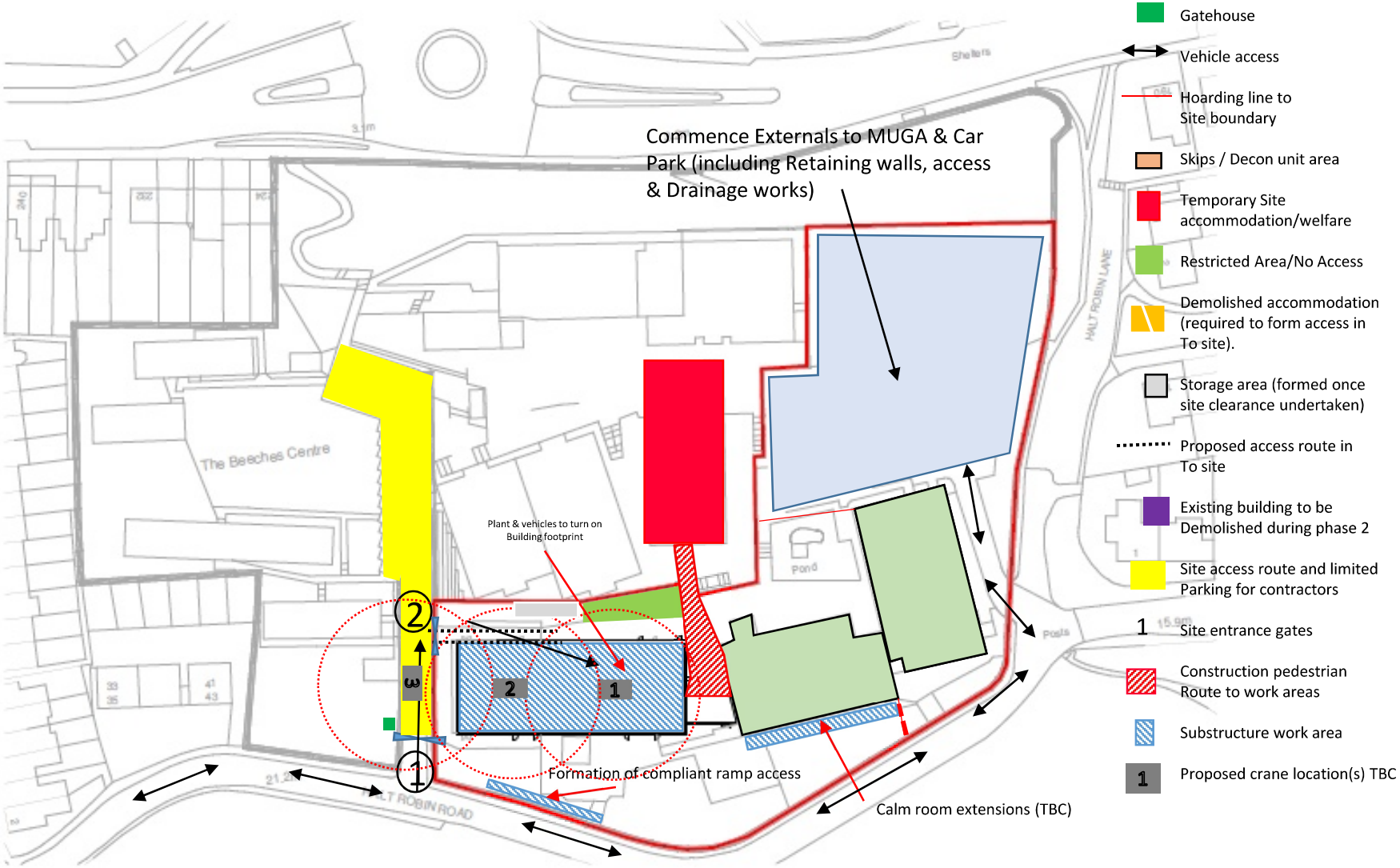
# DRAFT Logistics Plan - Cornerstone

– Phase 1 & 2 (demolition & site set up)



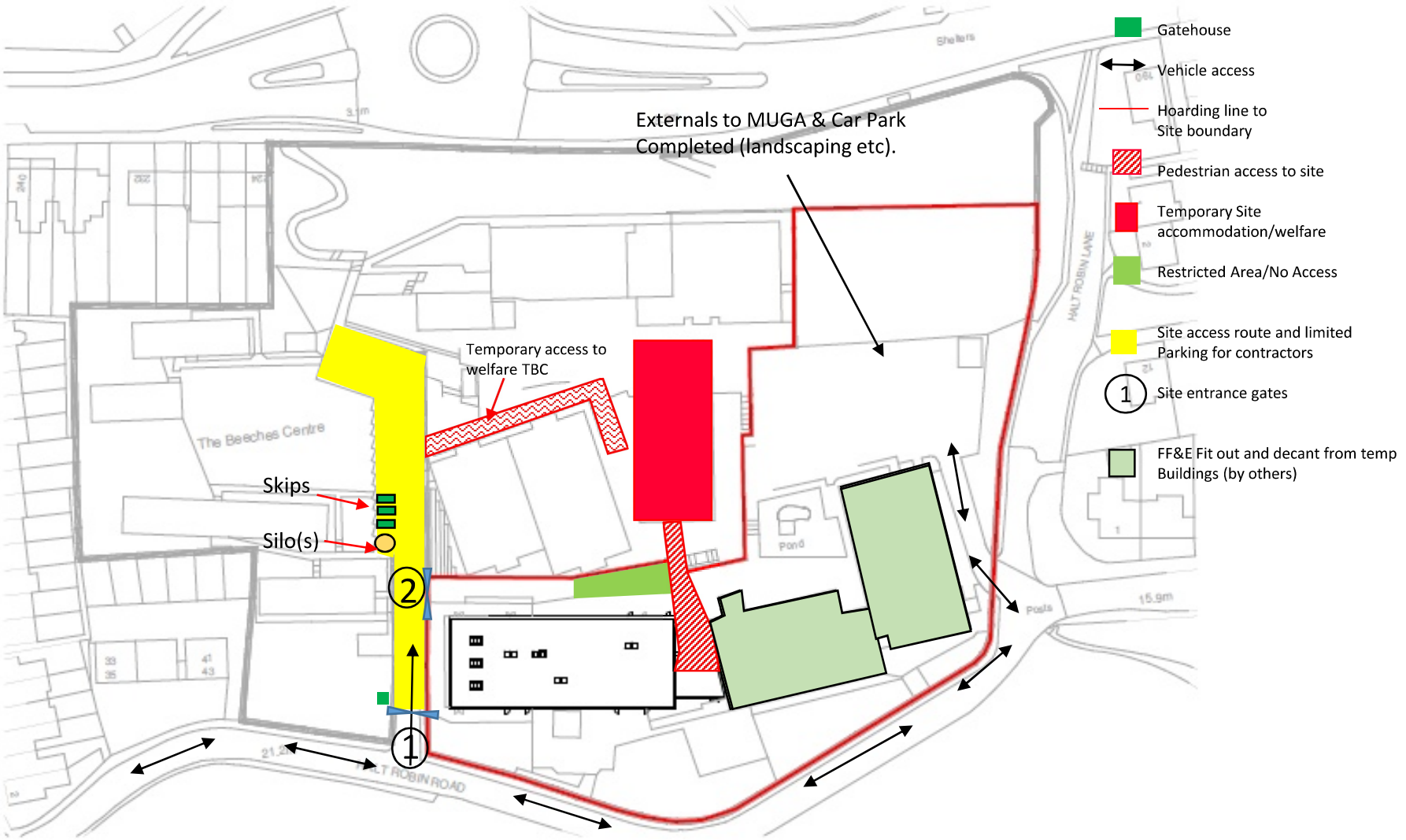
# DRAFT Logistics Plan - Cornerstone

## Phase 3 - New Build



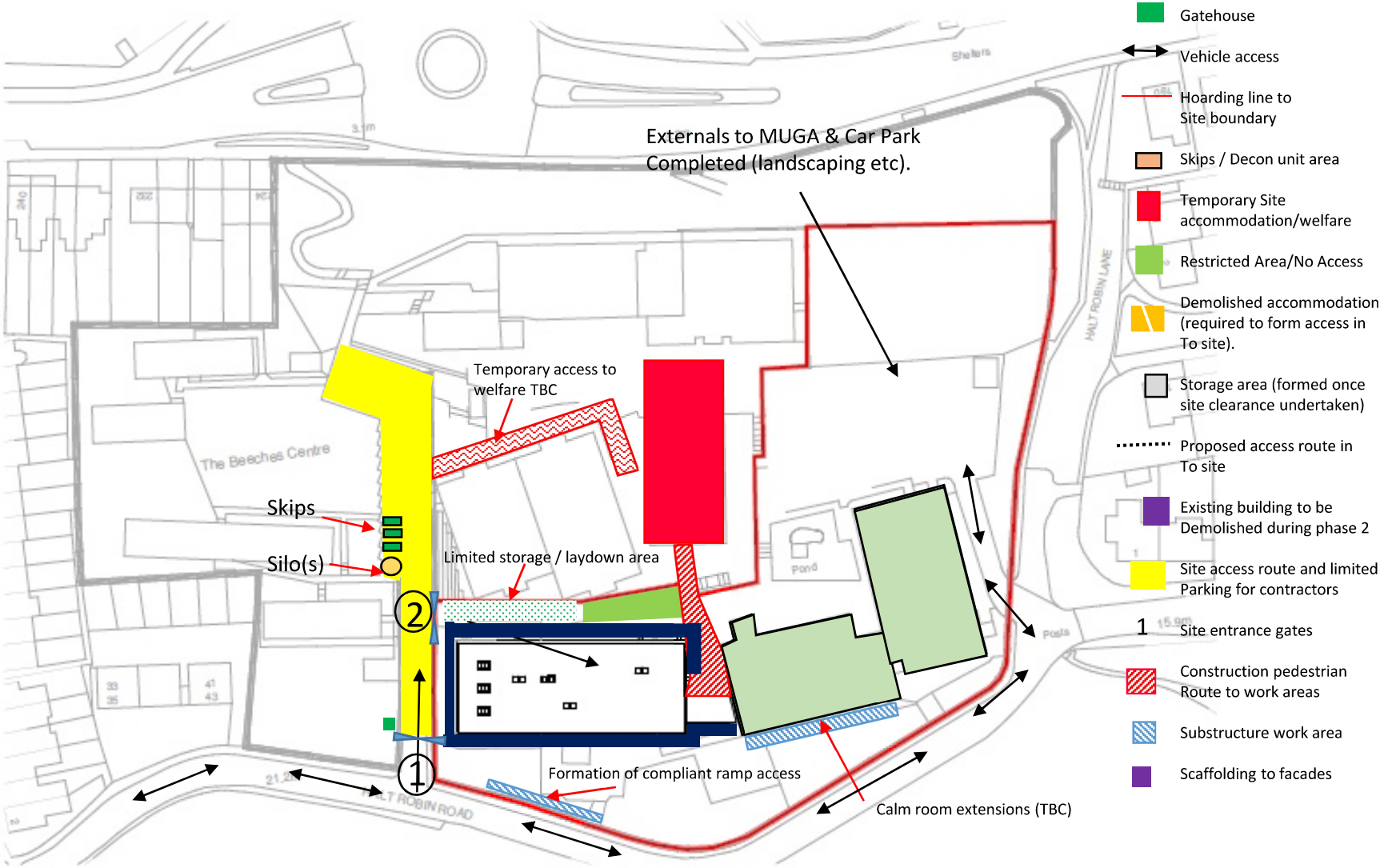
# DRAFT Logistics Plan - Cornerstone

New Build / facade



# DRAFT Logistics Plan - Cornerstone

## New Build / external completion / Handover



Date: 26th April 2021 REV No: A

| | |
|---|---|
| **Contract No.**<br>**Contract Title & Address** | GB0052<br>Cornerstone School (site of Old Woodside School), Halt Robin Road, Belvedere, DA17 6DW |
| **Duration of Project** | Start Date: 24th August 2021 End Date: 8th August 2022 |
| **Client Name & Address** | London Borough Bexley<br>Bexley Civic offices,3rd floor West,<br>2 Watling street,<br>Bexleyheath,<br>DA6 7AT |
| **Principal Designer**<br>**Name & Address**<br>**(Additional Designers listed in Appendix)** | Andrew Jump (BSc (Hons) CMaPS,Tech IOSH)<br>The Mill,<br>Station Road,<br>Ardleigh,<br>Colchester,<br>Essex CO7 7RS |
| **Principal Contractor** | Galliford Try, Building Southern,<br>Wonersh House,<br>Old Portsmouth Road,<br>Arlington,<br>Guildford,<br>Surrey,<br>GU3 1LR |
| **Other Consultants**<br>**(Other Consultants listed in Appendix)** | Refer to Consultant list. |
| **Prepared By**<br>**(Site Team)** | David McPherson [redacted]<br>Print Name Above Signature Above<br>Date 20th April 2021 |
| **Accepted By**<br>**(Principal Designer)** | Print Name Above Signature Above<br>Date _____ |

**Don't forget to complete and send the new site form for the database** – ***Date form sent: .....***

***This Construction Phase Plan will be added to, reviewed and updated as the project develops, further design work is completed, information from subcontractors starting work becomes available, unforeseen***

***circumstances or variations to planned circumstances arise or where the operations management team deem it is necessary.***

**CONTENTS PAGE**

## 1. INTRODUCTION

(a) This Construction Phase Plan (CPP) had been prepared specifically for this project in accordance with the CDM 2015 Regulations. The aim of this CPP is to provide clear, concise and specific information required to manage the works and the arrangements for controlling significant project specific site risks.

(b) This CPP has been produced by the Project team taking into consideration the pre-construction information (Client Brief) provided by the client; information on residual design risks provided by the Principal Designer and other designers; and information obtained from surveys and risk assessment of the project specific environment by the operations management team responsible for this project.

(c) To manage the health and safety on the project the system requirements outlined in the Company's Health, Safety and Sustainability (HS&S) Standards will be implemented where relevant for the works to be undertaken.

(d) Every project will have access to the Company's HS&S Standards, i.e. via local Intranet pages.

(e) The company's HS&S Standards are based on legal compliance and those applicable to this project are identified in Appendix 1; implementing the requirements of the HS&S System shall ensure that adequate planning, suitable controls, legislative compliance and monitoring to identify areas for improvement will form part of the day to day activities to ensure health and safety management and standards remain a priority element of the project.

(f) The HS&S Standards are supported by Best Practice Guidance documents which contain more specific details to assist the operations management team in assessing the project's specific risks and producing safe systems of work tailored to the project and the Construction Health and Safety Manual (CIP) available via HIS accessed by the link on the GT Intranet.

(g) We aim to reduce the provision of generic paperwork and to only provide in this CPP **project specific** information and paperwork that should help with the communication and risk management of this project. Other documents this CPP makes reference to, but is not project specific, will be made available on request.

(h) The Project specific filing system will be electronic using VFP/4P and limited hard copies kept on site. Other forms which form part of the information which may be needed to be read by others will be in the appendix sections identified in this document as they are documents which contain information relevant and form part of the management set up.

(i) The project team members responsible for the compilation, review and maintenance of this Construction Phase Plan are:

| Position | Name | Responsibility |
|---|---|---|
| Operations Director | Mick Shuter | Business unit responsibility for H, S & E |
| Operations Manager | Mark Greaves | Numerous project responsibility for H, S & E |
| Project Manager | David McPherson | Project specific responsibility for H, S & E |
| | | |
| | | |

**SECTION 1**

## 1 DESCRIPTION OF PROJECT

### 1.1 Location

The address for the project is:

Cornerstone School (site of Old Woodside School), Halt Robin Road, Belvedere, DA17 6DW

### 1.2 Scope of the Works

The Marjorie McClure School is a 3500m2 all-age special school catering for a diverse range of SEND pupils aged 4-19 years. The school provides for pupils with a wide range of different complex needs which include physical, medical and or moderate and profound learning difficulties/disabilities, autistic spectrum, speech and language difficulties, sensory impairments (both hearing and vision) and social and communication difficulties. It is designated as a non-ambulant special school.

The scheme is for a new build facility on an undeveloped site in Chislehurst, Kent .

Marjorie McClure School has also been selected to be part of a Sustainability Pilot by the DfE in response to the UK Government target to achieve net-zero 'greenhouse gas' emissions by 2050. Three goals have been identified as integral to the future development of school communities and estates: Reducing Energy Demand, Greening the School Estate and Creating Resilient New Schools.

Works will consist of the following activities:

- Demolition of existing stables buildings
- Formation of new access road and parking
- Extensive cut/fill exercise to regrade the current site layout
- New gate and fencing installation to the perimeter boundary
- Foundations and ground floor slabs
- SIPS superstructure and roof
- Internal dry lining, ceilings and plaster finishes
- MEP installations
- Roof membrane installation (Single ply/felt)
- Carpentry, soft floor finishes and decorations
- Formation of hydrotherapy pool ad associated plant and finishes
- Installation of hoists throughout the building.

### 1.3 Timing of the Works

| | |
|---|---|
| Contract Award Date | **06/04/2021** |
| Contract Commencement Date | **14/07/2021** |
| Contract Period | **56 weeks** |
| Site Start Date | **14/07/2021** |
| Planned Contract Completion | **22/08/2022** |
| Form F10 (Rev) Date Submitted<br>(copy of F10 filed in Appendix 5) | **To be issued** |

(a) A construction programme specific to the project will be maintained by the project team this will be updated / reviewed throughout the works and copies provided to the client or others requesting this information

(b) The normal hours of work are as follows:

| | |
|---|---|
| Monday to Friday: | 07:30 – 18:00 |
| Saturday: | 07:30 – 13:00 |
| Sunday: | Not Permitted |

*If the work is likely to have time limitations due to residents / business / or specific activities of the work note it here i.e. the requirement for a Section 61 note any liaison with local enforcers re the work or times when work outside of the hours noted above may be required and how it will be managed.*

(c) The site will be continually monitored by the site project team and in addition advice, support and monitoring will be provided by a professional HS&S Advisor.

The HS&S Advisor that has been appointed for this project is:

| | |
|---|---|
| Name: | Sam Imber |
| Qualifications: | NVQ4 Occupational Health & Safety / NEBOSH Diploma (TBC) |
| Telephone No: | 07526 168841 |
| Frequency of Visits: | Insert frequency of visits - Regional HS&S Manager will undertake (min) monthly audits and bi weekly advisory visits |

**1.4 Client Brief – Pre-construction Information**

(a) A copy of the detailed information received from the Client and pre construction surveys and design risks are located (TBC) All relevant information will be communicated during pre-start meetings to contractors.

(b) The Client has advised of the following hazards and risks:

Insert brief synopsis of the client specific health and safety related information that others will need to take into consideration e.g.

- Live Services – Gas, Water, Electric, Telecoms
- Asbestos is definitely ~~present / likely to be present~~ / definitely not present
- Unstable buildings – to be removed as part of demolition works
- Fragile roofs – N/A
- Contaminated land – to be confirmed during the SI works
- Rail lines in the vicinity of site – N/A
- Overhead cables / underground services – are present and part of the services plan
- Vulnerable neighbours i.e. schools, hospitals, care homes etc. – adjoining primary school and residents to boundaries
- Highways and access to site works – access via both Edgebury (Footpath) and
- Mine shafts and previous use of land etc. – N/A
- UXO – risk deemed to be "Likely/Medium"

(c) A project specific risk assessment covering how all hazards and risks will be managed / planned by the site team has been produced and the detailed specific control measures and safe systems of work will be covered in the work

related risk assessments and method statements provided by those undertaking the works. The project specific risk assessment can be found in the Appendix 6 to this document – the risk assessments provided to us by contractors are located in hard copy on site containing "wet signatures" as well as being loaded on to VFP under their specific file locations.

(d) Section 3 of this CPP identifies the specific significant hazards and risks in accordance with Schedule 3 of the CDM Regulations 2015.

**1.5 Site Security for this Project**

(a) The following security requirements for this project specifically are:

- security fencing – Temporary Heras until such time that he permanent twin bar mesh fencing is installed
- signing in procedures – signing in book will be located within gate house off Slades Drive
- employment of security personnel – Traffic marshal will be located on Slades drive and within the site location.
- Alarm systems – Welfare/Office will have CCTV and audible provisions. Within the building will have wireless alarm systems.
- lockable cabins – Allowance is currently for 8 no. welfare cabins. how many.

## SECTION 2

## 2 MANAGEMENT OF THE WORK

### 2.1 Management Structure and Responsibilities

(a) The general health and safety responsibilities are as laid out in the Company's Health and Safety Policy and all persons shall be made aware of their site-specific health and safety responsibilities. The project specific health and safety roles are detailed on form HS&S-FRM-C01-03 which is found in the appendix section to this CPP.

(b) All site managers on this project have received the CITB SMSTS training and hold relevant CSCS cards and have been formally appointed by a senior director who has checked that they have the relevant level of knowledge and competency as identified on the Company's competency matrix (HS&S-BPG-T03-101). Copies of letters of appointment and individual's certificates of training etc. are located Hard copy safety files held on site and are available on request.

(c) Underground utility services coordinator – TBC once personnel are known

Temporary Works Coordinator – David McPherson. Supervisor to be appointed once personnel are known.

(d) An organisation chart of the management team for this project is located in the appendix section. The organisation chart identifies the persons who have been appointed for overall management of this project these persons have all been appointed following checks on their competency and experience for the type of works covered on this project.

### 2.2 Selection of Contractors / Designers

(a) All contractors appointed to work on this project will have been evaluated using a system based on PAS 91 to ensure those selected have relevant competency and experience of the type of works.

(b) Project specific information has been provided to all contractors and designers and project specific risk assessments and method statements requested and these will be reviewed by the site team prior to contractors being permitted to commence work.

(c) Pre-start meetings will be held with contractors prior to works commencing.

(d) A log of all contractors and their contact details to be used on this project can be found in the Appendix section of this CPP.

(e) Contractors will provide supervision and trained first aiders specific to the type of works they will be undertaking.

(f) Whilst working on this project their works will be monitored and they will be inducted into the Galliford Try 'Challenging Beliefs, Affecting Behaviour' safety culture programme which empowers them to challenge unsafe acts and to contribute to the health and safety objectives specific for this project.

### 2.3 Health and Safety Aims for this Project

The project shall be managed in accordance with the requirements laid out in the CDM Regulations 2015 to support our vision which is 'to ensure everyone returns home in the same condition they arrived'.

(a) To have zero reportable accidents or reportable dangerous occurrences

(b) To ensure no members of the public or others are affected by our undertakings.

(c) Zero enforcement action by enforcing authorities.

(d) To set up a NAB Team from representatives of the contractors on site – TBC once personnel are known

(e) Achieve 0 AFR across the lifecycle of the project

**2.4 Site Rules**

(a) All persons will be asked to comply with the legal requirements regarding the wearing of personal protection equipment, smoking policy, drugs and alcohol policy and also be advised of the site-specific rules during the site induction.

(b) In addition, site specific rules and policies concerning these areas will be posted in the welfare facilities provided for the employees as reminders. The site rules specific for this project are in the appendix section.

**2.5 Arrangements to ensure co-operation between project team members**

(a) Exchanging Design Information between the Client, Principal Designer and Designers

Site specific arrangements include a schedule of meetings agreed with Client, design team and other stakeholders.
Principal Designers and Designers will use a shared platform for information sharing, in this case VFP.
All Minutes of meetings, such as CEM's, DTM, workshops etc. will be made and held by the design manager (L. Gould) and distributed via VFP

(b) Handling Design Changes
All communications are to be shared with all the design team members where relevant. This will then be reviewed internally to see where this may then need to be redistributed.
Changes are to be controlled through the workflow that will be set up, in agreement with the design manager, to ensure everyone sees the correct detail and sign off processes to pass through levels and gateways across the design team members.

(c) The exchange of health and safety information between contractors:
Pre-start meetings – open door policy records – again who when how, NAB meetings, Progress meetings with supply chain (Bi-Weekly)

**2.6 Management of Change**

(a) Change will be managed by the Galliford Try team on all disciplines. Our design manager will review this following the design process to ensure allowances and ER's are not compromised. Where changes are necessary, via client requests or material changes these will be overseen by the commercial team to understand the cost impacts alongside notifications up line to the client to receive their sign off.
Following the above, the operational team will review the impacts of the change in regard to the programme and feed this back to the planning department to advise on any potential delays or time savings.

**2.7 Arrangements for involving workers**

(a) This project has a health and safety notice board located at the entrance to the site, within the welfare and at all main entry points to site which will be kept up-to-date and contain relevant information for the workers to refer to as necessary. The project specific methods of effective communication are recorded on HS&S-FRM-C03-05 found in the appendix to this document and a copy of this form is displayed on the health and safety notice board and all persons advised during site induction

At this project we will do the following to ensure workers are involved:

- Site Inductions
- Risk assessment briefings
- First 10 minute briefings
- Toolbox Talks
- NAB Committees
- Near Miss reporting
- Safe behaviour discussions
- Appointment of safety coaches from contractors' team

**2.8 Site Induction**

(a) There will be two levels of inductions, one for persons who will be working on the project and a less detailed one for visitors who will be accompanied whilst on the project.

(b) The site-specific induction that will be used at this project will be issued electronically in advance of contractor start on site dates. This appendix is available if requested and the location will be in the meeting/training room on site.

(c) Every person will be inducted and a record of the induction will be retained on site using HS&S-FRM-T03-02 or T03-05 (visitors). The induction will explain the project, the hazards and risks of the site in general, site rules and explain the provisions made for their health, safety and welfare whilst working on this project.

(d) We are also committed to achieving a fully qualified workforce (CSCS); this is in addition to ensuring the competency levels for persons on this project are in line with the Competency Training Matrix provided in the Company HS&S Standards. Therefore, during the induction process evidence of competency will be requested for each person, copied and kept on site.

(e) Checks will also be made to ensure they have the relevant PPE for the work they are involved in, including face fit testing requirements where RPE is required.

(f) General details on medical problems we may need to be aware of and next of kin details in event of illness or accident will also be requested – any details will be held confidentially under the Data Protection Act.

(g) If non-English speaking persons to be employed on this site the site induction will be communicated to these persons via an English speaking supervisor who is able to translate the site rules into their peers native language. This information will be requested during pre commencement meetings and commercial POM's for reference.

**2.9 Welfare Arrangements**

(a) Suitable and sufficient welfare facilities will be provided from day one of the works commencing in connection with this project. The welfare facilities provided will address the project specific requirements due to the environment being worked in and location

(b) The welfare facilities provided on this site will be shared by the subcontractors, a copy of the shared welfare certificate can be found in the canteen / Mess room and Office

(c) The project specific welfare facilities provided for this project either complete the list below deleting if not applicable or refer to where the project specific welfare equipment can be located. (Not generic provisions)

| | | |
|---|---|---|
| Maximum No. of persons on site: | * | 80 |
| No. and type of toilets: | * | 32' unit containing (at least) 4 no. urinals, 4 no. cubilces and Female facilities. |
| No. of Mess Rooms: | * | 1 no. 32' unit |
| No. of Drying Rooms | * | 1 no. 32' unit |
| No. of Shower Rooms: | * | 1 no. within WC unit (Male & Female) |
| Type of Water Supply: | * | mains water supply to welfare – 22mmØ<br>Chilled water via bottle/mains supply |
| Equipment for heating food: | * | 2 no. Microwaves within canteen (standard & vegetarian) |
| Equipment for drinks: | * | |
| Method of heating: | * | Fan heaters within the drying room and radiators to remaining welfare provision |
| Type of lighting: | * | All units to have LED and function on PIR's |
| Housekeeping Arrangements: | * | Welfare will be cleaned 3 times a day (minimum) to be reviewed in light of Coronavirus prior to accommodation being installed. |
| Provision of catering facilities: | * | Canteen facilities – x 2no. 32' units. |
| Others | * | |

**2.10 Fire and Emergency Procedures**

(a) Members of the team have been nominated to take responsibility in the event of fire, accident or any other emergency and these are identified on the emergency notice form H04-01 found on the notice board and available in the appendix section of this CPP.

(b) A Construction Site Fire Safety Plan (HS&S-FRM-F01-02) specific for this project has been produced in conjunction with the project's HS&S Advisor appendix 2.9(a). This plan includes a fire risk assessment and identifies the access for emergency vehicles to site, fire assembly point, persons appointed as fire wardens, firefighting equipment requirements, means of raising the alarm, the position of highly flammable material stores areas etc and details the specific risks and controls appropriate to this project. This plan will be reviewed at regular intervals throughout the project's duration or following any incident to ensure it is still suitable and sufficient.

(c) An Emergency Notice (HS&S-FRM-H04-01) for this Project will be displayed on the site notice board and the details communicated to all personnel during their site induction.

(d) Task specific emergency rescue plans will be produced prior to the following works being commenced:

- Working at height using Harness, Safety Nets, rope climbing etc.
- Confined Spaces
- Deep excavations
- Working adjacent to/ over water
- Working on "Live" electrical systems
- Work on carriageways / highways (S278 works)

(e) The emergency rescue plans will be held by the contractor's supervisors and our project team; the site will ensure a 'practice' of the emergency rescue is undertaken by the contractor at intervals advised in the risk assessment for the works. These plans will be reviewed with the HS&S advisor as necessary during the four-week planning.

(f) The number of appointed first aiders / appointed persons for this project is currently David McPherson (07443 876942) & Site Manager (TBC). The names of first aiders and location of first aid equipment is included on the Emergency Notice for the project HS&S-FRM-H04-01 that is displayed on the project's health and safety notice board. These persons will also be identified to all employees during their induction and first aiders will be identified by green cross stickers on helmets, first aider and green cross symbol on hi vis jacket signage on office door.

(g) The first aid requirements for this project have been specifically risk assessed for the type of work and numbers of persons and the following will be provided based on these works:

| | |
|---|---|
| No. of first aid boxes & size: | 2 no. boxes (50 person) as a minimum |
| Location of first aid boxes: | Site offices |
| Stretchers: | TBC |
| Blankets: | Located in the site office |
| Resuscitation Equipment | Located in the site office |
| Other as applicable | To be determined following H, S & E technical review. |

(h) The first aid boxes and equipment will be re-filled after each use, visibly checked each week during the weekly inspections and monthly checks carried out and recorded by the person identified on the site responsibility checklist.HS&S-FRM-F02-01.

**2.11 Accident Reporting, Recording and Investigation**

(a) The accident reporting, recording and investigation will be in line with the requirements outlined in the Company's HS&S-STD-A01. All incidents, including environmental incidents, will be recorded as appropriate and held confidentially.

(b) All incidents will be investigated, the person undertaking the investigation and the type of investigation will depend upon the severity or potential severity. The operations management team will report any potential RIDDOR injuries immediately to the project's HS&S Advisor who will provide the level of support and assistance as appropriate to the incident.

(c) The requirement to report all incidents, method of recording will be communicated to persons working on the project during the site induction.

(d) Where any accident is reportable to the Health and Safety Executive the employer of the injured person will be responsible for ensuring it is reported, a copy of the F2508 will be filed (confidentially) on the site. Where a contractor does not provide evidence of reporting to the Health and Safety Executive the project's operations management team will report it directly to the Health and Safety Executive on behalf of the contractor.

(e) Investigations will be carried out and risk assessment reviews undertaken following the investigation. Where lessons can be learnt Safety Alerts, Toolbox Talks, Information Sheets or other appropriate media will be used to communicate the information across the Company.

(f) Significant near misses will be treated in the same manner as an accident with appropriate investigations undertaken.

(g) The specific method of near miss reporting for this project is via the following:

- feedback system
- completion of online system notification (GT Staff – Econtrack)
- Near miss cards
- 1-1
- Open door policy with all trades, visitors, and staff

(h) (Client / Project Specific Requirements
If clients / frameworks have additional requirements for accident / near miss include those in this section

(TBC)

(i) Incident information and records filed securely for data protection of any individuals who may be named. Incident report forms and incident investigations shall not be released to any third party without formal permission from the Company's senior management team.

**2.12 Traffic Management**

We will ensure that traffic is routed away from work areas wherever possible with pedestrian and vehicle segregation in areas where this is not possible. This plan will include for the re-fuelling of plant on site, deliveries to site and access for emergency vehicles.

A project specific traffic management plan and a traffic management risk assessment have been provided for this project and these documents will be updated and briefed to site operatives as necessary throughout the project's lifetime.

The traffic management risk assessment identifies the site-specific controls for this project and this is located on VFP and in hard copy in the H&S files on site.

# SECTION 3

**ARRANGEMENTS FOR CONTROLLING SIGNIFICANT SITE RISKS**

All works carried out will be in accordance with the relevant health and safety legislation, primarily the requirements set out in the CDM Regulations, giving particularly regard to providing safe places of work, safe plant and equipment, the provision of competent persons, provision of information, instruction and training and The Management of Health and Safety at Work Regulations which requires risk assessments to be carried out in order that significant risks are identified and suitable and sufficient control measures are utilised.

Schedule 3 of CDM Regulations 2015

*Work which puts workers at risk of burial under earth falls, engulfment in swampland or falling from a height, where the risk is particularly aggravated by the nature of the work or processes used or by the environment at the place of work or site;*

*Work which puts workers at risk from chemical or biological substances constituting a particular danger to the safety or health of workers or involving a legal requirement for health monitoring;*

*Work with ionizing radiation requiring the designation of controlled or supervised areas under regulation 16 of the Ionising Radiations Regulations 1999;*

*Work near high voltage power lines;*

*Work exposing workers to the risk of drowning;*
*Work on wells, underground earthworks and tunnels;*
*Work carried out by divers having a system of air supply;*
*Work carried out by workers in caissons with a compressed air atmosphere;*
*Work involving the use of explosives;*
*Work involving the assembly or dismantling of heavy prefabricated components.*

The general control measures and forms to be utilised for controlling significant risks are those identified in the Company's HS&S Management Systems i.e. planning and implementing management systems. The specific work risk assessments to reduce the likelihood of incidents occurring will be provided by the competent contractors employed. They will provided risk assessments and method statements specific to the environment and type of work to be carried out. These will be reviewed by our site team in conjunction with the project's HS&S Advisors to ensure suitable and sufficient control measures are included in the work risk assessment and that the significant risk assessments and safe systems of work are briefed to all those who will be involved in the works.

In addition to risk assessments and method statements permits to work will be issued for the following activities which will be carried out on this project:

MMcC - Project specific list

- Excavations – any breaking of ground activity
- Working under overhead cables
- Work in confined spaces
- Loading or dismantling temporary works
- Diving operations
- Electrical works on distribution systems
- Hot works

Those authorised to issue permits are identified on site responsibilities matrix in the appendix.

**3.1** Significant Hazards and Risk Information

Include in here any significant risks identified in the pre-construction information as identified in Schedule 3 of the CDM Regulations. The control measures to be implemented to control them can be referenced to a specific risk assessment with the specific risk assessment document forming part of the appendix to this CPP when presented to others. Delete categories that are not relevant and include project specific controls that **will be** used not generic controls.

The significant hazards and risk of this project have been identified as:

**3.2 Services and Overhead and Underground Services**
HS&S-STD-U01

Services will be traced and demarcated across the site prior to works being undertaken. Permit to break ground will be controlled by the site management with a live permits board in the office controlling these activities on a daily basis.

Existing services will be disconnected by a competent individual/contractor who will record what and when the service has been decommissioned.

All RAMS will be submitted by the relevant contractor at least 2 weeks prior to works being undertaken on site. Where works are deemed as "High Risk" these will be issued to the project SHE advisor for commenting before proceeding. In addition, a "high Risk S/C meeting will be held with all team members and those involved from the supply chain.

The project will have a dedicated underground services coordinator and this individual will be identified during inductions as well as within this document. All permits will be issued and controlled by this AP.

Suitable signage for the works being undertaken will be the responsibility of the subcontractor.

**3.3 Temporary Structures / Unstable Structures identified**
HS&S-STD-T01

Temporary works registers have been produced from the bid stage and are being developed (File B4756 -GT-FM-TWK-041-DMc-001 Rev A). this has been priced by a temporary works engineer allowing adequate resource to undertake TW designs and checks as identified within the schedule. The building is single storey and formed through SIPS there are limited TW requirements, however, the schedule will remain live and reviewed at regular intervals by the production and management team.

Team appointments are in place for TW Coordinator (David McPherson) and TW supervisors will be appointed when personnel are known.

**3.4 Preventing Falls / Working with or near Fragile Materials**
HS&S-STD-W03 / E02

Risk assessments and Method statements will be issued in advance of works being undertaken. Control measures will be in place to ensure access over or near fragile materials does not occur. Signage will clearly identify these areas as well as being brought to the attention of those being inducted on site.

Permits to work will be issued for accessing areas where the risk of a fall is present. These will be controlled by the site management and kept up to date with the "live board" within the welfare setup.

Emergency rescue plans will be implemented for the project and this will form part of the requirements from the Supply chain.

The H&S files both hard copy and electronic will contain risk assessments / safe systems for work at height or excavations.

### 3.5 Control of Lifting Operations
HS&S-STD-L02

Lifting operations will be controlled in line with Supply chain documentation, HSE guidance and our own Lifting standards.

Lift coordinators will be appointed along with lift supervisors for those trades with lifting operations. Individuals will require CPCS certification to confirm their competence.

Lifting operations will be reviewed with the H & S advisor for the project before works commence.

### 3.6 Maintenance of Plant and Equipment
HS&S-STD- P01

Maintenance and inspections will be in accordance with LOLER & PUWER.

Copies of plant will be issued to the site team before first use along with completion of inspection forms upon delivery of plant. HS&S-FRM-P01-07

HS&S-BPG-P01-101 – 105 to be followed by team and supply chain.

Site plant will be inspected in line with the manufacturer's requirements where applicable.

As part of the weekly plant inspections the supply chain, and Galliford Try where applicable, will undertake inspections of the equipment/plant. These will be recorded on Galliford Try form FRM-P01-01 and P01-02 to 07 and stored electronically and within the site files.

As a minimum these will be inspected on a weekly basis but in most cases these will be inspected daily before use.

For competency on use of machinery/plant qualifications with be taken and experience recorded as part of the induction process.

Safe use of MEWPS is covered within this document, however, a MEWP coordinator will be appointed on the project given the number of machines that are likely to be in use at any given point. This will be recorded by way of appointment letter from the Designated Individual within the business (director/operational lead). The appointed person, as a minimum, will have undertaken the 1 day MEWPS for managers course facilitated by an IPAF certified training body.

### 3.7 Excavations / Poor Ground Condition Management / Wells / Underground Earthwork / Tunnels
HS&S-STD-E02

Excavations on the project will be managed with a permit system as stated above.

These will be inspected at regular interval and at least every start of shift. Inspections will be recorded on form E02-04 and these will be contained within the site files. It will be the responsibility of the supply chain (ground worker) to carry out their inspections prior to operatives being set to work. Again this will be at the beginning of every shift.

Ground works supports will be required in certain locations and this will form part of the temporary works requirements. These have been listed on the schedule and they will be managed as stated above in section 3.3 Temporary Structures.

Adequate training certification and relevant experience will be requested when appointed individuals are known for inspecting excavations from the supply chain. This will be taken at Induction stage.

### 3.8 Work on or Near Water / Diving Operations / Caissons etc – other risks of drowning
HS&S-STD-W04 / HS&S-STD-D02 / HS&S-STD-H04

N/A

### 3.9 Storage Materials and Management

HS&S-STD-H01 / H02 - include in site drawing areas where materials will be stored, the specific flammable materials / hazardous materials management and identification.

Refer to material management plan for MMcC Site.

### 3.10 Health Risks Including:

The removal of asbestos; - HS&S-STD-A02

Dealing with contaminated land.

Manual handling; - HS&S-STD-M01

COSHH / handling of hazardous materials – HS&S-STD-H02

Noise and vibration –HS&S-STD-N01 / V01

Working with Ionisation radiation – HS&S-STD-R01

Exposure to UV radiation (the sun)

Any other significant health risks

**Insert Other Significant Risks and Arrangements (specific to this location) to control them.**

- HS&E-STD-D03 Drug and Alcohol Standard
- HS&E-STD-O01 Occupational Health Management
- Wellbeing resources – refer to Intranet for access to Information, Guidance and material
- Coronavirus *(Guidance notes available via Galliford Try Intranet)*
    - Site Operating Procedures
    - Coronavirus Risk Assessment - updated August 2020
    - Guidance for employees on furlough leave (updated 21/05/20)
    - Secretary of State Letter to UK Construction Industry (31/03/20)
    - GT/MC Essential Worker Letter Template - available from your MD 310320
    - Coronavirus guidance for employees and managers - V15 (updated 31/07/2020)
    - Coronavirus guidance note for offices and sites - V4 (updated 17/03/2020)
    - Coronavirus guidance - recording absence - V2 Mar 13 2020
    - Coronavirus guidance - risk assessment checklist - V1 Mar 12, 2020 (for managers)
    - Coronavirus - risk assessment proforma 12 Mar 2020 (for managers)
    - Coronavirus checklist for sites and offices V1 (updated 16/03/2020)
    - Step by step guide to self isolation 31/07/2020
    - Guidance on working from home 18/03/20
    - Guidance on working from home poster 18/03/2020

# SECTION 4

## 4 ARRANGEMENTS FOR COMPILING THE HEALTH AND SAFETY FILE

Insert here the communication process with the Principal Designer, the layout and format agreed with the Principal Designer, the arrangements for collection and gathering of information, the issue and storage of information.

# APPENDIX SECTION

*(If files held on a computer and no hard copies please amend to identify the location of information- the information should be provided to Principal Designer to show the specific method of management this information must be site specific and not be generic)*

1. HS&S STANDARDS APPLICABLE TO THIS PROJECT
2. SITE SPECIFIC HS&S RESPONSIBILITIES
3. DESIGNERS & CONSULTANTS
4. CONTRACTORS
5. SITE SPECIFIC RULES
6. FORM F10 (NOTIFICATION TO HSE)
7. PROJECT RISK ASSESSMENT (SET UP TO COMPLETION)
8. METHODS OF COMMUNICATION
9. SITE SPECIFIC INDUCTION
10. EMERGENCY NOTICE
11. ADD SITE SPECIFIC INFORMATION AS NECESSARY

## APPENDIX 1 – HS&S STANDARDS APPLICABLE TO THIS PROJECT

*Tick all Standards which will be applicable to this project*

| HS&S STANDARD | Ref | Tick Standard If it Applies | HS&S STANDARD | Ref | Tick Standard If it Applies |
|---|---|---|---|---|---|
| Accident & Incident Investigation | A01 | ✓ | Training | T03 | ✓ |
| Asbestos Management | A02 | | Underground and Overhead Services | U01 | ✓ |
| Construction Design & Management | C01 | ✓ | Vibration | V01 | |
| Confined Space Management | C02 | | Waste Management | W01 | ✓ |
| Communication and Consultation | C03 | ✓ | Welfare | W02 | ✓ |
| Cultural Heritage Management | C04 | | Work at Height | W03 | ✓ |
| Demolition Management | D01 | ✓ | Working Over or Adjacent to Water | W04 | |
| Diving Management | D02 | | Water Management | W05 | |
| Drugs and Alcohol | D03 | ✓ | Young Persons | Y01 | ✓ |
| Electrical Safety | E01 | ✓ | | | |
| Excavations | E02 | ✓ | **Other:** | | |
| Ecological Management | E03 | ✓ | Rail Safety Case | | |
| Environmental Emergency | E04 | ✓ | | | |
| Project Environmental Design | E05 | ✓ | | | |
| Fire Prevention | F01 | ✓ | | | |
| First Aid | F02 | ✓ | | | |
| Housekeeping | H01 | ✓ | | | |
| Hazardous Materials | H02 | ✓ | | | |
| Health & Safety Risk Management | H03 | ✓ | | | |

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|---|---|---|---|---|---|
| Health and Safety Emergency | H04 | ✓ | | | |
| Lone Working | L01 | | | | |
| Lifting Operations | L02 | ✓ | | | |
| Land Use Management | L03 | | | | |
| Manual Handling | M01 | ✓ | | | |
| Monitoring Performance | M02 | ✓ | | | |
| Mobile Devices | M03 | ✓ | | | |
| Noise | N01 | ✓ | | | |
| Nuisance Management | N02 | ✓ | | | |
| Occupational Health | O01 | ✓ | | | |
| Plant Tools & Equipment | P01 | ✓ | | | |
| PPE | P02 | ✓ | | | |
| Environmental Management | P04 | ✓ | | | |
| Radio Freq. Non Ionising Radiation | R01 | | | | |
| Resource Management | R02 | ✓ | | | |
| Security | S01 | ✓ | | | |
| Temporary Works | T01 | ✓ | | | |
| Traffic Management | T02 | ✓ | | | |

# APPENDIX 2

## SITE SPECIFIC RESPONSIBILITIES

Form C01-03 (*Excel Sheet to be added to file*)

# APPENDIX 3 – DESIGNERS AND CONSULTANTS

| Company | Works | Contact | Telephone |
|---|---|---|---|
| Haverstocks | Architect | | |
| AKS Ward | Civil / structural Engineer | | |
| UB | Landscape Architect | | |
| Elementa | MEP Consultant | | |
| | Principal Designer | | |
| | Building Control | | |
| PreConstruct | Archaeologist | | |
| Lizard Landscapes | Ecologist | | |
| Novatia | ICT Consultant | | |
| SIPS contractor | Innovare | | |
| | | | |
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APPENDIX 4 - CONTRACTORS ON THIS PROJECT

| CONTRACTOR | WORKS | START DATE | PRE-START MEETING | RAMS CHECKED |
|---|---|---|---|---|
| Soils Limited | Soil Investigation | | | |
| ACD Services | CCTV surveys | | | |
| Pre Construct | Archaeological reporting / Watching Brief | | | |
| 1st Line Defence | Reporting & Watching brief | | | |
| MHL Surveys | Topo & Utility Survey | | | |
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| CONTRACTOR | WORKS | START DATE | PRE-START MEETING | RAMS CHECKED |
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APPENDIX– 5

**SITE SPECIFIC RULES FOR THIS PROJECT:**

- Adhere to the site signing in and out procedure
- Use the pedestrian walkways provided for your safety
- Maintain site specific social distancing requirements
- Follow government guidance on personal hygiene (Washing hands regularly, using sanitisers etc.)
- Do not attend site if suffering symptoms of Coronavirus (Refer to NHS guidance for symptoms if unsure)
- Isolate for a minimum of 10 days if coronavirus symptoms suspected
- Follow latest SoP from CLC / Government
- If operating plant drive at the site specified speed limits
- Those operating plant must not leave plant running and unattended or leave keys in the ignition when not in use
- Always wear relevant PPE as identified in risk assessments
- Where an incident or accident occurs you must report it immediately to the Site Management Team
- Report any unsafe acts or conditions to the site management team immediately
- Smoking / including the use of E-cigarettes only permitted in signed designated areas
- Galliford Try undertake random drugs and alcohol tests all persons requested to provide a sample but refusing will be deemed to be a 'positive' test.
- Employees involved in significant incidents or accidents may be requested to take a drugs and alcohol test – refusing will be deemed to be a 'positive' test.
- Employees using prescribed drugs which may affect them must notify the site team.
- No use of mobile phones in general work areas or whilst walking on site – use in designated / safe areas only; those using plant or machinery must not answer or make calls whilst the machine is being operated or ignition is turned on.
- Where toolbox talks / first 10-minute briefings are held your attendance is mandatory
- Follow the controls outlined in your risk assessments and method statements if changes occur contact your supervisor do not continue until risks have been reviewed
- Do not operate any equipment you do not own or are not authorised or trained to use
- Materials and rubbish must be stored so as not to affect the safety of other persons
- If you make a mess – you must clean up immediately
- Waste materials must be put into correct waste skip and not left to build-up in work areas
- Any spillage of materials likely to contaminate or pollute must be reported to your Supervisor immediately
- Do not adapt or move any equipment without prior authorisation
- No horseplay or antics likely to cause harm to self or others will be tolerated
- Safety gloves and glasses, as part of minimum 5-point PPE, are required and suitable for work activities i.e. working with glass or sharp metals require high level cut resistance / Kevlar or similar.
- Persons using hazardous materials to have arms and legs covered
- Car parking is on a "first come, first served" basis and Galliford try retain the right to refuse entry or parking on site when deemed necessary

**RECORD OF REVIEW**

| Date | Information | Ref. No. | Comments |
|---|---|---|---|
| 15/09/20 | Updated with further detail applicable to the project | 001 | See information |
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# Galliford Try

## Cornerstone School

**Mick Shuter**
Area Director

**Aidan O'Reilly**
Commercial Manager

**Mark Greaves**
Operations Manager
- Business continuity manager
- Operational Lead

**Mark Longhorn**
Managing Surveyor

**Heather Bryant**
Community Liaison Manager
- Training contact

**David McPherson**
Senior Project Manager
- Project lead
- Temporary Works Co-Ordinator
- Utilities Co-ordinator

**Balraj Bhogal**
Quantity Surveyor

**Simon Mo**
Senior Design Manager

**Jack Heaney**
Planner

**Cameron Mace**
Regional Supply Chain Manager

**Gary King**
Buyer

**Sam Imber**
Group H, S & S Advisor

**Judella Rimon**
Document Controller
- Viewpoint manager

**TBC**
Project Manager

**TBC**
Site Manager

**TBC**
Commercial Assistant

# HAZARD IDENTIFICATION FORM
HS&S-FRM-H03-01

| | |
|---|---|
| **Business Unit: Building Southern** | **Site Name: Cornerstone** |
| **Assessor (Planning): Giselle Coomber** | **Contract No: GB0052** |
| **Assessor (Construction):** | **Date: 13/05/21** |

This form should be commenced during the initial survey and tender stages to assist in the identification of relevant legislation, associated hazards and proposed work practices. It should be added to following site surveys and when other hazards are communicated via Designers, Principle Designers or others. **Higher Risk** activities are in **Bold** and where these are identified as being present additional technical, HS&S and specialist advice should be sought from competent persons for advice on the provision of additional controls. Hazards identified on this form should be communicated to contractors requested to tender / carry out the works and the construction team.

| DESIGN & TENDER PLANNING | Yes | No | STD | | Yes | No | STD |
|---|---|---|---|---|---|---|---|
| Adjacent to water | | X | W04 | **Working over water** | | X | W04 |
| Public highways adjacent | X | | T02 | **Diving Operations** | | X | D02 |
| Residential area | X | | S01 | **Lifting Operations** | X | | L02 |
| Schools / play areas close by | X | | S01 | **Highways Work** | | X | T02 |
| Members of the public in the area | X | | S01 | **Working at Height** | X | | W03 |
| Other vehicles in the area | X | | T02 | **PHYSICAL ACTIVITY HAZARDS** | | | |
| Restricted parking in the area | X | | T02 | **Use of Vibrating Tools** | X | | V01 |
| Restricted access to site | | X | T02 | **Substances Hazardous to Health** | X | | H02 |
| Livestock in the area | | X | H02 | **Welding / hot work** | X | | F01 |
| Overhead services in the area | X | | U01 | **Dust / Fume inside building** | X | | H02 |
| Railway services in the area | | X | | **Plant / Equipment used inside** | X | | H02 |
| Narrow roads | X | | T01 | **High Noise Levels** | X | | N01 |
| Steep / uneven ground | X | | | Manual Handling Operations | X | | M01 |
| Other buildings / structures / bridges | X | | | **MOBILE PLANT** | | | |
| Height restrictions | | X | | Mobile Plant to be used | X | | P01 |
| Security issues | | X | S01 | **Use of MEWP's** | X | | P01 |
| Compact building plot | X | | H01 | **MEWP's on Highways** | | X | T02 |
| Roof lights | | X | W03 | Materials Hoists | | X | L02 |
| Underground shafts | | X | E02 | Person Hoists | | X | L02 |
| Underground gases | | X | E02 | **Tower Cranes** | | X | L02 |
| **Asbestos materials present** | X | | A02 | **Mobile Cranes** | X | | L02 |
| **Contaminated land** | X | | L03 | **Piling operations** | X | | |
| HAZARDOUS MATERIALS | | | | **WORK AT HEIGHT** | | | |
| Vermin | X | | H02 | Scaffold to be erected | X | | W03 |
| Pigeons (excrement) | X | | H02 | Ladders to be worked off | X | | W03 |
| **Fumes, gases, silica dust etc** | X | | H02 | Use of Stepladders | X | | W03 |
| **Chemical works** | | X | H02 | | | | |
| **Lead** | | X | H02 | **PEOPLE** | | | |
| Oil storage | X | | H02 | Working in Isolation | X | | L01 |
| **Underground gas services** | X | | U01 | Winter Working | X | | H01 |
| **Underground electrics** | X | | U01 | Young Persons employed | | X | Y01 |
| Underground water pipes | X | | U01 | | | | |
| **Live electrics present** | X | | E01 | **Other Hazards Identified:** | | | |
| PCB's | | X | H02 | Behaviour | X | | |
| Radiation emitting devices | | X | R01 | Individuals Capabilities | X | | |
| Compressed/Flammable Gas | X | | H02 | | | | |
| **HIGH RISK ACTIVITIES** | | | | | | | |
| **Excavations** | X | | E02 | | | | |
| **Demolition Works** | X | | D01 | | | | |
| **Working Adjacent to Railway** | | X | | | | | |
| **Temporary Works / Falsework** | X | | T01 | | | | |
| **Electrical Works / Testing** | X | | E01 | | | | |
| **Confined Spaces** | | X | C02 | | | | |