



CONSTRUCTION METHOD STATEMENT

Erection of New Teaching Block

For



Queen Elizabeth's Grammar School

at

**Abbey Place, Faversham, Kent
ME13 7BQ**

Project Reference: KS5603

Dated: 29th August 2023

Contract: Queen Elizabeth's Grammar School

Contract No: KS5603

Project title: New Teaching Block

Name of client: Mr David M Anderson

Location: Queen Elizabeth's Grammar School
Abbey Place
Faversham
Kent ME13 7BQ
01795 533132

CDM co-ordinator: Kent Structures Ltd
Unit 6, The Glenmore Centre
Moat Way, Sevington,
Ashford, Kent
TN24 0TL
(01233) 659136
info@kentstructures.co.uk

Compiled by (name): Daniel Calnan

Signature:



Issue and approval status:

Issue / Rev Number	Date	Checked and approved by KSL (name)	Issue / Rev Number	Date	Checked and approved by KSL (name)

1. Introduction

This method statement has been prepared to comply with the Code of Construction Practice and BS5228 Noise Vibration and Control on Construction and Open Sites, the Control of Dust from Construction Sites (BRE DTi Feb 2003) and the Institute of Air Quality Management (IAQM) 'Guidance on the Assessment of Dust from Demolition and Construction'.

This construction method statement provides a summary of the construction methods and phasing of works on site together with the approaches that would be taken to minimise impact on the surrounding area and environment in general.

2. Scope of Construction Work

Works include the demolition of part of the existing teaching block and erection of a part first floor extension and new two storey extension with bridge links to existing buildings and changes to fenestration, together with ancillary facilities, landscaping and infrastructure.

3. Construction Sequence

Phase 1 – Site Set Up

Initial set up of secure fenced compound to take place outside school hours/during school holiday. Remaining activities can take place during school occupation.

- Establish site fencing to separate construction activities from students/staff/public including the access route.

- Establish site access point from Abbey Street through existing entrance.

- Provide temporary construction staff & visitors parking area as noted on the accompanying Site Layout Plan drawing ref: KS5603_201.

- Construct temporary offloading and storage area within the site compound and in the school boundary.

- Install site cabins including offices, welfare facilities and storage.

Phase 2 – Construction Phase

Construction of the new teaching block - Activities generally to take place during school occupation. Some items outside the works compound such as service connections may need to take place outside school hours/during school holidays.

- Excavate for foundations, floor slab, drainage and service entry

- Install foundations

- Install ground floor concrete planks

- Install Durisol blocks to ground floor

- Install ground floor steel structure and first floor slab

- Install Durisol blocks to first floor & steel structure

- Install roofing

- Demolish block F

- Install steel structure over block E

- Install rest of roofing and cladding
- Install external walkways
- Internal fit out
- Install services
- Install finishes, fittings and equipment
- Complete external works within site compound

4. Site Management

A site evaluation will be conducted before any work activities begin on site, in order to evaluate the risk from pollutants emitted before commencing site demolition and construction activity. Continuous site monitoring addresses the management of dust and PM10 emissions from construction and demolition. Entrance signage will be installed on entrance gates stating site managers contact details, as an independent measure to handle neighbourhood complaints or raise any issues. The site manager, will keep a record of any complaints and results of routine site inspections in the Site Log Book, which is made available to the Health and Safety Manager and Local Authority upon request.

5. Preparing and Maintaining Site

The Site Manager will ensure on-site contractors follow dust protective measure at all times to minimise dust and emissions. The following sub-sections identify the activities that are most likely to produce dust. Any loose materials on site will be removed as soon as possible, materials storage should be covered, also any stockpiles will exist for the shortest possible time to prevent wind whipping. Kent Structures will provide Heras fencing with netting around site compound as a dust protective measure, in order to reduce dust escaping the site, as well as effective barriers around dusty activities. Furthermore machinery, fuel and chemical storage and dust generating activities will not be take place near boundaries. Any mud detected on machinery and tools will be cleaned daily, preventing the mud to then dry and turn into dust. Site welfare will provide water and cleaning equipment to workers or visitors. The site will perform regular inspections for on-site spillages, as well as regular sweep of fine waste material. However if a material is fit for use, this will then be dealt with in accordance to WMLR. Also a spillage kit is provided in the Site welfare unit.

6. Reducing Emissions from Vehicles

All mobile vehicles that are associated with construction will comply with the standards of 'London low emission zone', furthermore HGV's that will deliver modules on site will comply with euro VI. The site manager will ensure that the delivery point is clear, before any deliveries are made, in order to reduce vehicular Idling. A haulage plan has been provided in order to cut and to reduce environmental impact of deliveries

7. Operations

When materials, such as concrete slabs or bricks, are cut with a power tool without extraction or suppression, a second worker will pour water over the material as it is being cut. This greatly

reduces the amount of dust generated and can stop the occurrence of a statutory nuisance. All other equipment should be fitted with water suppressant systems, and all fans and filters should be serviced regularly to ensure they are properly maintained. Skips will be securely covered, with minimal drop heights to control the fall of materials, to prevent wind whipping.

8. Waste Management

It is Kent Structures policy not to have any fires onsite, which is in line with the 'Clean Air Act', and all excess materials should not be wasted, but used or safely removed from site in accordance to Waste and Resource Action Programme (WRAP). A Site Waste Management or Recycling Plan is set in place which follows guidance on Sustainable Design and Construction. This plan of action identifies and segregates waste types; each waste container will be labelled in accordance to the type of waste, which will allow recycling to take place where possible. Any material storage will be fenced off, with an additional dedicated store area for timber, so that any leftover materials could be re-used. Kent Structures employs a just-in-time policy to deliver materials in order to reduce the storage time on-site.

9. Mitigation Measures specific to Demolition

All dust producing works will be suppressed by sprinkling water when cutting to prevent the spread of dust and debris. Demolition works will be carried out by hand as opposed to heavy machinery to reduce the amount of noise produced and to ensure works are undertaken in a controlled manner. All waste materials produced will be separated and recycled accordingly.

10. Measures specific to Earthworks

All dusty activities will be dampened down, especially during dry weather and earthworks will be temporarily covered if possible. Hessian, mulches or tackifiers will be used, where it is not possible to revegetate or cover with topsoil, in order to comply with the SWMP.

11. Measures specific to Construction

Once fine aggregates or powders are open, they are sealed after use, and carefully placed in the storage unit, provided in site welfare area.

12. Noise and Vibration Control Measures

Vehicles and mechanical plant will be maintained in a good and effective working order and operated in a manner to minimise noise emissions. The contractor will ensure that all plant complies with the relevant statutory requirements.

HGV and site vehicles will be equipped with broadband, non-tonal reversing alarms.

Compressor, generator and engine compartment doors will be kept closed and plant turned off when not in use.

All pneumatic tools will be fitted with silencers/mufflers.

Care would be taken when unloading vehicles to avoid un-necessary noise

The use of particularly noise plant will be limited, i.e. avoiding use of particularly noisy plant early in the morning.

Restrict the number of plant items in use at any one time.

Plant maintenance operations will be undertaken at distance from noise-sensitive receptors.

Reduce the speed of vehicle movements.

Ensure that operations are designed to be undertaken with any directional noise emissions pointing away from noise-sensitive receptors.

When replacing older plant, ensure that the quietest plant available is considered.

Drop heights will be minimised when loading vehicles with rubble.

Vehicles should be prohibited from waiting within the site with their engines running or alternatively, located in waiting areas away from sensitive receptors.

Local hoarding, screens or barriers should be erected to shield particularly noisy activities.

Temporary noise screens will be used to reduce noise from particularly noisy activities and the height of perimeter hoarding will be extended where this would assist in reducing noise disturbance at sensitive receptors.

Hours of operation should be strictly enforced and any deviations other than those previously identified will be with the consent of the local authority.

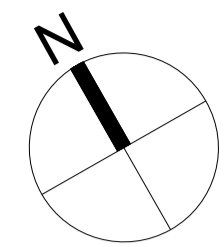
APPENDIX 1

RAMS

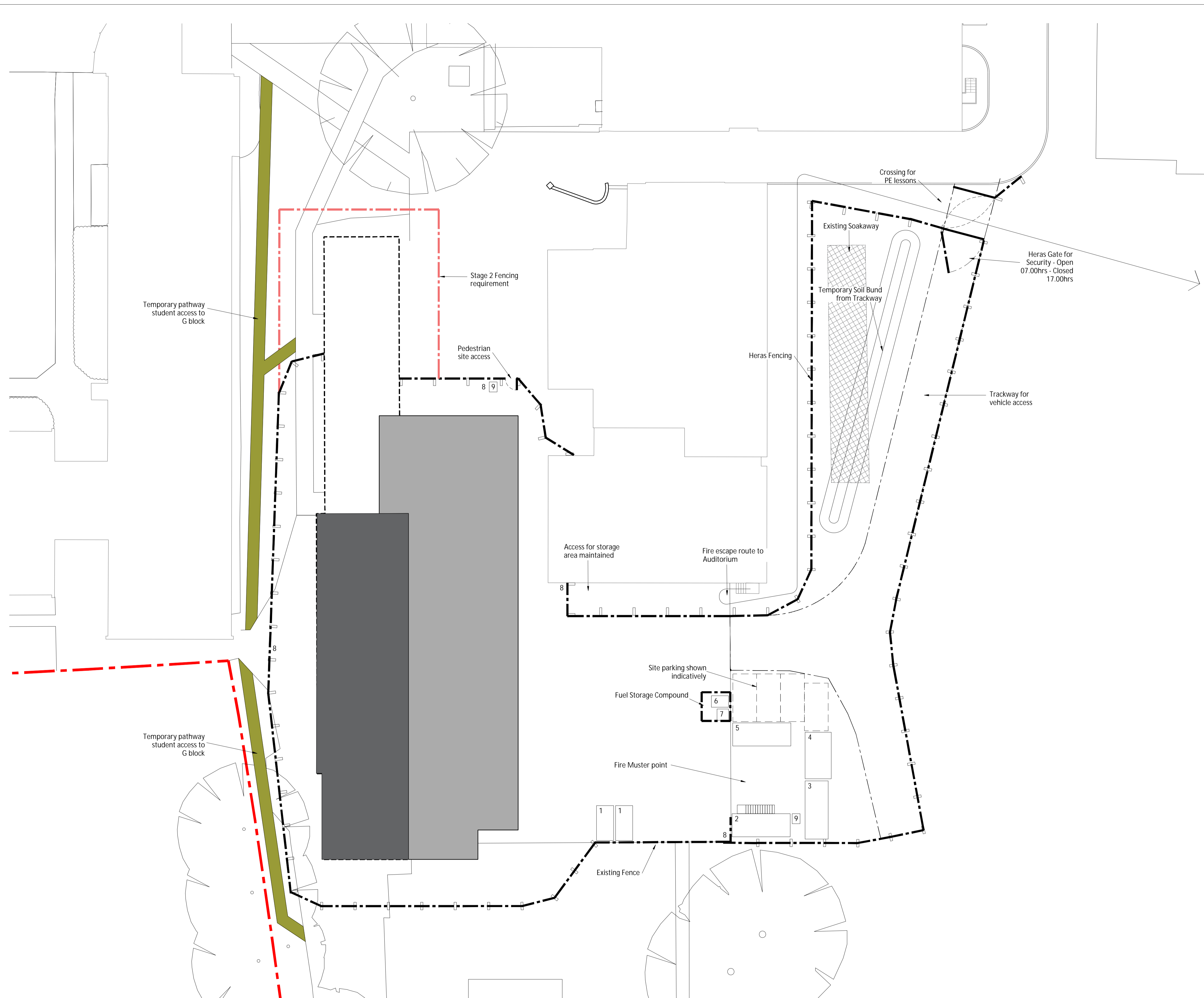
We will provide RAMS for each stage of the works and ensure they are in place, reviewed and implemented as necessary prior to each stage. Copies of KS RAMS and subcontractor RAMS to be copied and kept in this section of the construction phase plan.

APPENDIX 2
Site Layout Plan

NOTES
 Do not scale drawings.
 All dimensions are to be checked on site, including levels and sewer inverts prior to commencement of work and any discrepancies reported to the designer.
 All dimensions are in millimetres and are structural unless indicated otherwise.
 All works shall be carried out in accordance with the current edition of the Building Regulations and other relevant statutory requirements.
 All materials and workmanship shall conform with the relevant British Standard specifications and codes of practice.
 This drawing shall be read in conjunction with Kent Structures health and safety risk assessments and general principles for means of access and protection.
 This drawing is the sole copyright of Kent Structures and cannot be used or reproduced without consent from Kent Structures ©



REVISION DETAILS BY DATE



Note:
 No trees are affected by the building works.
 All trees are outside the perimeter of Heras fencing.

Legend		
1	Skip (8 yard)	12ft x 6ft
2	Stacked Units:	
	Office	20ft x 8ft
	Canteen / Drying	20ft x 8ft
3	Canteen / Drying	20ft x 8ft
4	2+1 Toilet Block	16ft x 9ft
5	Storage Container	20ft x 8ft
6	Fuel Bowers	
7	COSHH	
8	Potential Fire Extinguisher Station	
9	Covid Station (Includes Hand Sanitiser & Masks)	

- Denotes outline of existing building to be demolished in construction phase 2
- Denotes extent of proposed Teaching Block works to be completed in construction phase 1
- Denotes extent of proposed Teaching Block works to be completed in construction phase 2

PROJECT
PROPOSED NEW TEACHING BLOCK

CLIENT
**QUEEN ELIZABETH'S GRAMMAR SCHOOL
 ABBEY PLACE, FAVERSHAM, KENT, ME13 7BQ**

DRAWING
Proposed Site Layout Plan

PROPOSED SITE LAYOUT PLAN
 Scale 1:200

Unit 6, The Glenmore Centre,
 Moat Way, Sevington,
 Ashford, Kent
 TN24 0TL
 Tel: (01233) 659136
 info@kentstructures.co.uk
 www.kentstructures.co.uk

DATE	August 23
SCALE	1:200 @ A1
DRAWN	PS
DRAWING NO.	REV
KSS603/201	P01