

Introduction

Our construction approach and site logistics are driven by the following objectives:

1. Ensure the safety LIPA staff, students, public, visitors, sub-contractors, and site personnel are the number one priority.
2. Commencement and completion dates.
3. Hours of operation for construction works
4. Measures of control of noise & dust.
5. Site compounds, storage of plant and materials
6. Temporary highways works or closures
7. Access for construction traffic
8. Parking of vehicles of site operatives and visitors
9. Wheel wash facilities
10. A scheme for recycling / disposing of waste resulting from demolition and construction works.
11. Security
12. Site Induction
13. Fire Precautions
14. Delivery Team
15. Tree Protection



We have summarised below our development approach and site logistics which demonstrates how these objectives will be achieved. Kier has been a keen participant in the construction industry's Considerate Constructors Scheme since its inception and all Kier sites are registered in this scheme. This sets targets in a number of categories ensuring sites are clean, tidy, safe and well-organised, thereby portraying a positive image to all stakeholders. Kier is committed to Considerate Constructors Scheme and our average score across the region is currently 40.

Analysis of our individual projects reveals better safety records, greater productivity and good neighbourly relationships on the sites with the highest CCS ratings, proving the schemes objectives are being achieved.

Our aim on all sites is to be a good neighbour by being:

1. Considerate – think of all the human interfaces including passersby, neighbours, LIPA staff and students and general public.
2. Quiet – minimise noise levels wherever possible.
3. Clean and tidy – all pavements, roads, paths etc will be kept clean and tidy.
4. Safe – carrying out works with the utmost care.
5. Responsible – control site activities and people in line with this code.
6. Accountable – provide site notice boards with contact details and project information.

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The strength of this scheme is in its encouragement that everyone on site is sensitive to the environment in which they operate and place public health and safety as a top priority. It also promotes healthy respect for everyone involved including all those working on site, in LIPA and all those in the local community.

The way in which we deliver against each of these responsibilities listed above is detailed later in this response. One example is the erection of a prominent notice board at the entrance to the site. The information displayed includes contact names and telephone numbers. We also circulate a newsletter on a regular basis which summarises what is happening on site. This helps to keep all parties, stakeholders, students, and residents updated with progress and future site activities.

Our proposals for the local community have included for the following:

1. Limit impact on local roads by timing deliveries so they do not clash with peak time traffic around Hope Street and Upper Duke Street. Employ a gateman at the Upper Duke Street entrance who will also operate a jetwash as necessary.
2. Limit any impact on nearby residential areas by reducing noise/light pollution and finally local neighbourhood engagement.
3. A letter drop will be posted pre Christmas to all residents on Hope Street will be done, confirming start dates and contact details of Kiers Senior Project Manager Ron Hughes and Site Manager Nick Backhouse.
4. The Kier Site Manager has made contact with the Anglican Cathedral about allowing contractors vans to park on their car park. There will be also parking on Hope street on the pay machines. There will be only 4 no car park spaces on site for site visitors.

Commencement and Completion dates

The asbestos removal and part internal strip out programme will commence on 02/11/15 and be complete by 19/12/15. The main construction programme commences 04/01/16 and will be complete by 05/09/16.

Hours of Operation for Construction Work

08:00hrs to 18:00hrs Monday to Friday, and 08.00hrs to 16.00hrs on Saturday by agreement. In addition no operations which are audible at the site boundary shall be carried out:

- (i) Outside the hours of 0800 to 1800 weekdays
- (ii) Outside the hours of 0800 to 1300 Saturdays and
- (iii) At any time on Sundays or Bank Holidays

Unless prior agreement with LCC planning.

Measures to control Noise/dust/light

All necessary precautions will be taken to minimise nuisance caused by noise, vibration, dust and light. It is important that controls are put in place for the prevention of noise, dust and air pollution.

We propose to address these issues in the following ways.

- Noisy operations will be kept to a minimum during early and late hours of operation and, where possible would be carried out at specific times when little or no nuisance is caused to the neighbours on Hope Street.
- Select methods of construction which remove or reduce noise levels.
- Implement noise monitoring procedure.

- Locate noisy equipment away from sensitive areas.
- Dust will be controlled through the use of towed water bowzers based constantly on site through dusty operations.
- Liaise with LIPA on sensitive periods based around exam / performance dates.

Site Compounds, storage of plant and materials**Site Establishment**

It is the intention to place our site set up on the current college car park / layby area situated at the front of the existing college (inner court yard area of 70 Hope Street).

The construction site area will be completely fenced off this will be done using solid block and mesh fencing along the elevation opposite the inner court yard of 70 Hope Street (within the college grounds)

Access to site for all construction related activities will be Upper Duke Street.

Deliveries will be scheduled around the hours of the college deliveries to 68 Hope Street to limit both disruptions to the college and also to the external road traffic.

It is the intention of the site to employ a road sweep to control mud on the roads. The road sweep will be employed all day throughout particularly dirty activities and on an as required basis for any other activities.

The layout below indicates the pre Christmas site set up to facilitate asbestos removal and soft strip works.

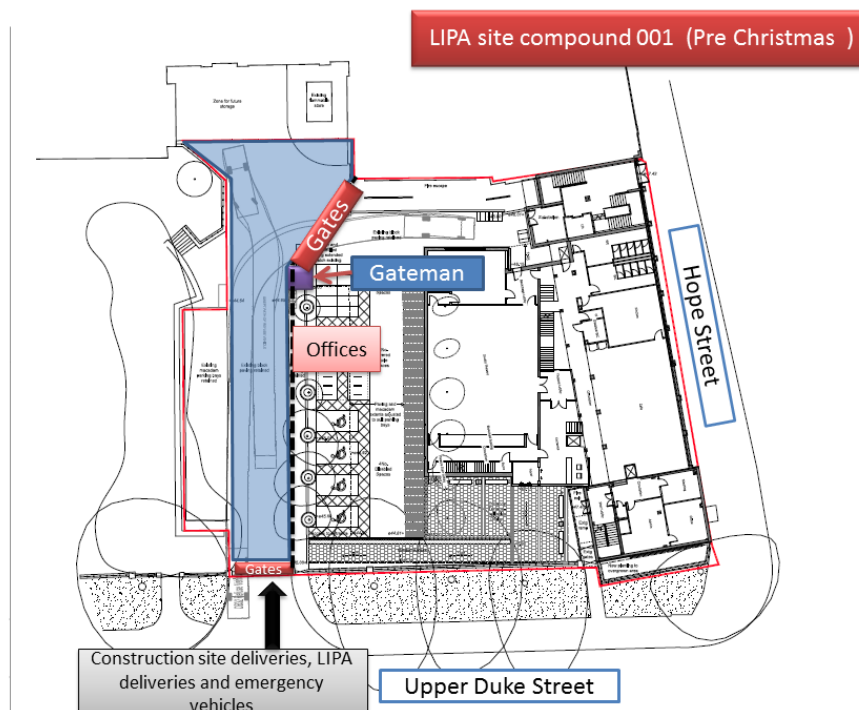


Figure 1 - Pre Christmas initial site set up.

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Welfare Facilities

As stated above the Kier site cabins will be situated in what is currently part of existing car park area at the rear of the existing college.

The welfare facilities will consist of toilets, mess/drying room, site offices, canteen, meeting room, washing facilities. Information and directional signage will be agreed in advance of the works commencing. Signage will be clear and concise to separate public from site traffic.

The site office will be the main point of contact and all visitors and operatives will need to sign a visitor log book each day, and be inducted prior to being allowed access to the site.



Figure 2 - Indicative Kier NW Site Set Up: Double Stack Offices and Welfare Facilities



*Figure 3 - Kier Northern
Site Set Up:
Typical Office Reception and Safety
Zone*

Temporary Highway Works or closures

The s278 works noted within planning condition 12 will be addressed separately under that condition. We have commenced dialogue with LCC Highways who are obtaining costs from Amey LG to undertake these works.

A license will be obtained for the scaffold on Hope Street and Upper Duke Street to facilitate the façade works. The scaffold will be enclosed at street level to prevent unauthorised access.

Access for Construction Traffic

Deliveries

Full instructions and directions will be sent to all suppliers with strict instructions to ensure that the all protocols are adhered to. Traffic signs and fingerboards will direct delivery vehicles to the site from the surrounding approach roads.

We are aware that there are peak times for local roads and we will advise suppliers **not** to deliver during rush hour periods. A gateman will be situated at the entrance to the new site. His duties will include the constant

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monitoring of site traffic to ensure that any delivery vehicles appearing at peak time are directed to a holding area away from local residential areas.

The main site set up layout is shown below that will be in place January 2016. Access will be controlled via the existing entrance gates on Upper Duke Street.

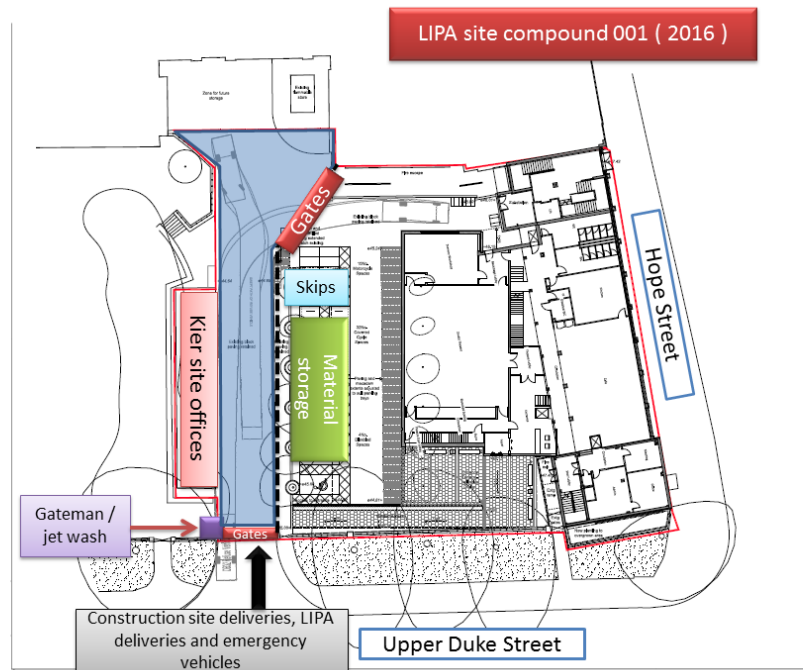


Figure 4 – Main site set up

Parking of Vehicles of site Operatives and Visitors

There will be only 4no car park spaces on site for site visitors. The Kier Site Manager has made contact with the Anglican Cathedral about allowing contractors vans to park on their car park. There will be also parking on Hope Street on the pay 7 Display machines.

Wheelwash Facilities

Our gateman will have a jet wash facility to wash down dirty vehicles before they leave site. We will also employ a road sweep to control mud on the roads. The road sweep will be employed all day throughout particularly dirty activities and on an as required basis for any other activities.

Recycling / Disposing of Waste

This will be done in accordance with the Kier Environmental Management Plan. See Construction Phase Health and Safety Plan. One of the main work packages is the removal of the existing curtain wall systems to Hope Street/Upper Duke Street and rear elevation, all the glass will be removed and collected into skips for recycling.

Security

The main site area will be completely fenced off using block and mesh fence panels. Security warning notices will be displayed on and around the site boundary in prominent position. Site name boards will be positioned adjacent to the contractor's access point Upper Duke Street and Hope Street. All Kier staff will be listed on the emergency call out list issued to LIPA. All fencing will be checked daily and a record of the check will be entered into the Kier weekly monitoring sheet.

We will liaise closely with the local police and LIPA and additional measures that may be implemented will include visiting security patrols and on-site security operatives.

A license will be obtained for the scaffold on Hope Street and Upper Duke Street to facilitate the façade works. The scaffold will be enclosed at street level to prevent unauthorised access.



Figure 5 - Kier NW Site Set Up: Examples of Secure Hoarding & Gated Entrance: Note signage will be fixed to existing LIPA gates on Upper Duke Street.

Site Induction

Before any operatives commence on site they will attend an induction briefing where the site rules together with safety and environmental issues on site are discussed. The induction will include the explanation of the various safety procedures on site, emergency escape routes and evacuation procedures in the event of a fire. Other topics covered will be identifying the welfare facilities explaining the main areas of risk on the project where the possibility of injury is likely to occur, discussing PPE and reviewing standards of good housekeeping which are required on site. This will include specific issues raised within the H&S plan. It will be explained that there is to be no parking on site.

Operatives will also be informed of any specific tasks or restrictions on day-to-day operations. It is Kier policy that trades foremen will attend supervisor's induction and hold a supervisor's CSCS card.

Fire Precautions

The Construction Health & Safety Plan will have a dedicated section on fire prevention. We propose that the plan will include, but not be limited to, the following:

The identification of potential fire risks together with risk control measures:

- Consultation with the local fire authority regarding access for emergency vehicles.
- Continual review of the fire plan and regular meetings and agree any changes to the fire plan.
- Bespoke fire training for operatives.
- Installation of fire fighting equipment.



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- Fire plan strategy posted throughout the site showing escape routes and the location of fire muster points. Our logistic drawings show the location of our proposed muster points and access routes.
- The installation and maintenance of protected fire escape routes during the construction phase.
- A good housekeeping plan which will reduce the risk of fire.
- The use of LPC materials for protection and covering.
- Strict adherence to a Hot Works Permit system for all hot work anywhere on site.
- Temporary electrical supplies will be wired to 110v through a trip switch which will lessen the risk of shorting out circuits.

Site fire precautions and emergency procedures on this plan and all subsequent variations will be conveyed to the workforce during the induction meeting or at tool box talks.

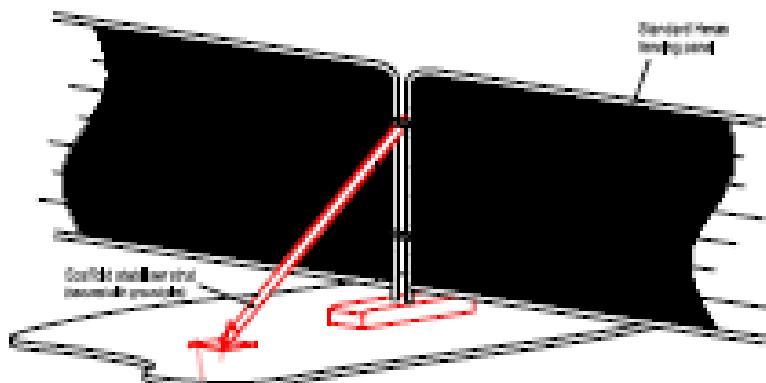
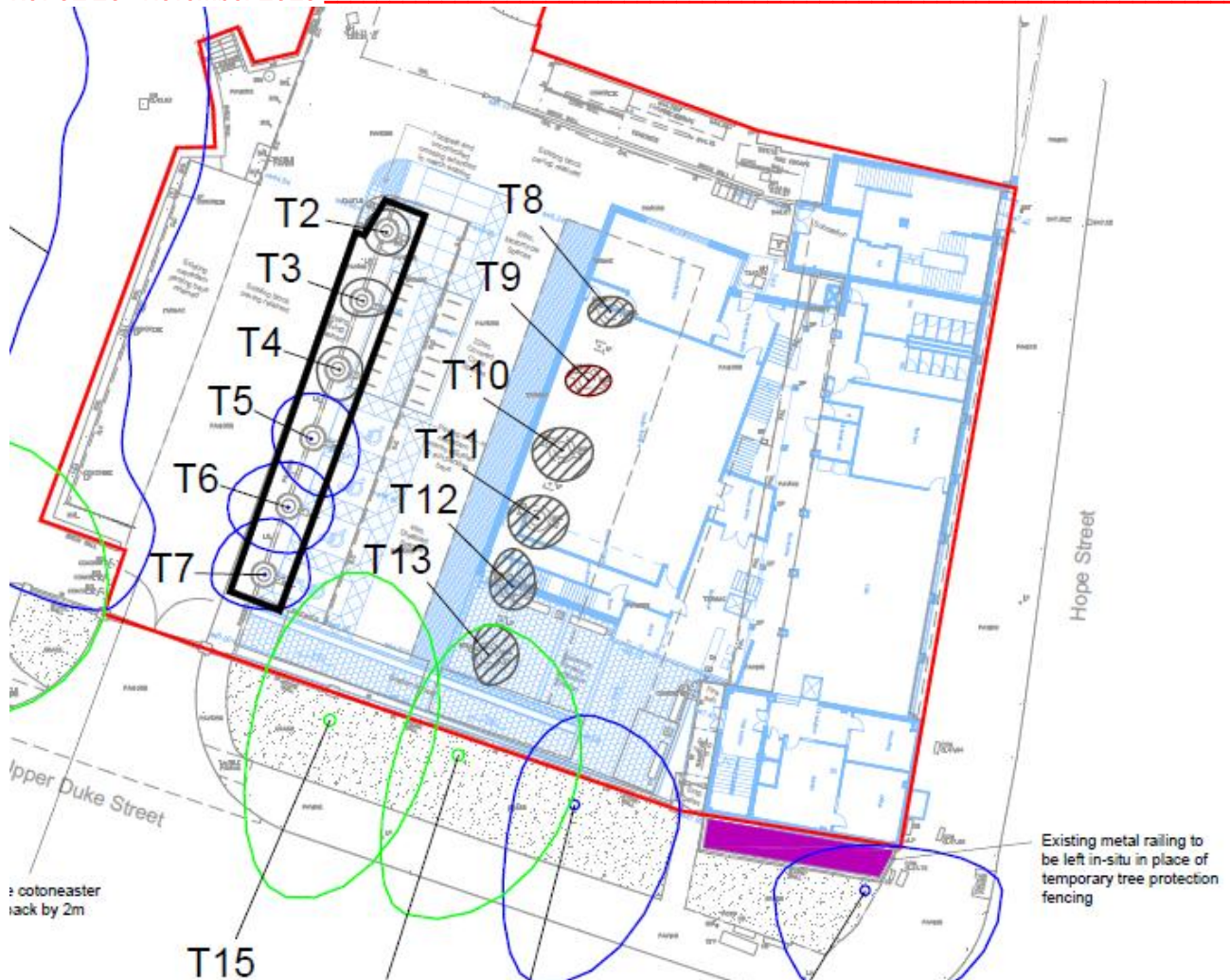
The Delivery Team

Our delivery team will be led by Tony Harrison Contracts Manager & Ron Hughes Senior Project Manager.

Kier have previous experience dealing with new build / refurbishment of educational facilities, completing a number of similar projects in Liverpool & Manchester. The site management team will be supported in planning and programming by Mike Pond (Planning Manager) with extensive knowledge of School/University/College projects.

Existing Trees on site

Before Kier commence on site 4.1.16. Kier will fence off and protect all the existing trees within the Kier compound and work areas as listed on drawing below 001. The trees T2 – T7 will be protected using the method of 'Heras' fencing illustrated overleaf.



Type B Tree Protection Fencing: for use as directed
(e.g. where Type A would cause unacceptable damage to roots or underground services)