

METHOD STATEMENT

CGMS F477

Project Name	Hadley St Car Park	Project Number	C624
Client	LB Camden	Doc No. and revision	MS02 Rev0
Document Title	Demolition of Car Park	Risk category	3

Please refer to CRRM Policy & Procedure document P554 and P222 for review & authorisation requirements and G473 Method Statement sign off guidance.

Document Development [Cat 1, 2 and 3]

Project Manager	Name	Signature	Date
Document Owner			

Document HSEQ Review [Cat 2 and 3]

HSEQ Department	Name	Signature	Date	
Is CES CAT3 sign off required? (tick)				

Document CES Review (Cat 2 or 3 where required)

CES Department	Name	Signature	Date

Final Authorisation [Cat 1, 2 and 3]

Authoriser	Name	Signature	Date

In authorising the release of this document to site, for works issue, I am satisfied that competent people have developed and reviewed the technical content in accordance with the CRRM empowerment levels.

Supervisor Acceptance [Cat 1, 2 and 3]

Supervisor	Name	Signature	Date

Amendments

Revision	Details	Initials	Date

Add to Method statement Works Package / Plan tracker CGMS F551.

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Method statement briefing

Please complete the section below. In completing and signing this sheet you are demonstrating that you have read, understood and been briefed onto your safe system of work contained within your method statement and activity specific risk assessment. You are agreeing to work to this safe system of work, and in the event of you having any concerns about this method, you will stop work and discuss this with the Site Supervisor in the first instance.

This briefing will be in addition to the daily task briefing given by the Site Supervisor.

In signing below you are also confirming that you have been given the opportunity to participate in discussions relating to these activities including in terms of health, safety, environment and quality. Any comments/ suggestions / concerns you have are recorded (on this form) and managed to ensure it is safe to continue.

Method statement :

MS 02

Title Demolition of Car Park

Revision 0

Surname	First Name	Employer	Briefed by	Date	Signature

[illegible]

1.0 Scope of work

- 1.1 This Method statement describes the site set up activities, the activities include;
Delivery of plant and machinery -> Demolition of Car Park -> Removal of Slabs and Foundations

2.0 Surrounding area and adjacent works

- 2.1 This method relates to works associated with the demolition of the single-storey concrete covered redundant car park structure located off Hadley Street, Kentish Town, London. The boundary of the site can be seen on image 1.1a below.



Image 1.1a – overview of site boundary

The site location and local receptors are depicted on image 1.2a below along with the location details contained within the attached table.

Site Address	Grid reference	What 3 words
Hadley Street, Kentish Town, London, NW1 8TD.	528745E, 184498N	diner.legend.circle

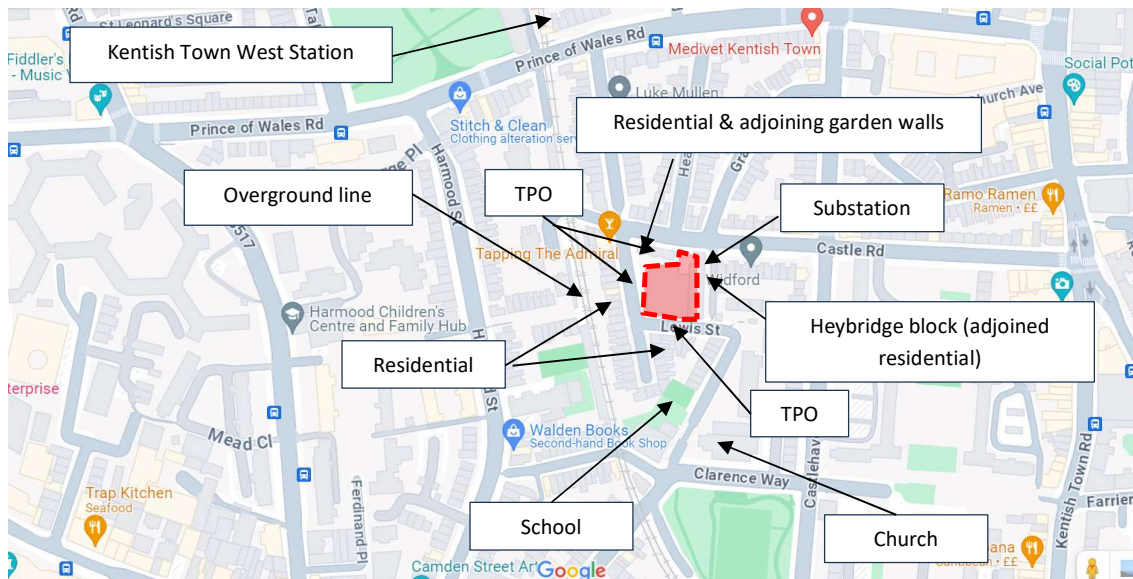


Image 1.2a – area overview and receptors

The site, irregular in shape, covering an area of approximately 0.18 hectares (ha), lies within an heavily residential area of the London Borough of Camden (LBC). The site consists of largely tarmac/concrete ground with a strip of overgrown vegetation/dense scrub running the span of Hadley Street along the east boundary, with high value trees adjacent to the site boundary. The lower ground level of the car park is approximately 1.50 metres below ground level.

An electrical substation to the Northeast of the site vehicular entrance off Castle Road remains operational and is to be permitted unobstructed external access 24/7.

The structure abuts the adjacent occupied Heybridge tower block which spans the full length of the East boundary. To the Northern boundary lies residential properties and gardens, the garden walls of which are shared and to be retained. To the West lies Hadley Street and public footpath, separated by a retaining wall. To the South lies Lewis Street and public footpaths. The site is surrounded by public roads consisting of traffic alleviation measures such as yellow lines, speed bumps and controlled residents parking bays.

3.0 Supporting documents required prior to works commencing

3.1 Documentation required prior to commencement

- *Signed RAMS under CRRM Procedure*
- *Signed Garic RAMS under the CRRM procedure.*

3.2 Site requirements/considerations

- F10
- Section 80/81
- DMP
- Section 61
- Isolation certificates
- Traffic management plan

3.3 Task requirements/considerations

- Asbestos survey
- Structural survey
- Structural fixture checks
- Hazardous materials survey
- Residual /Designer's Risk Assessments
- Permit to work
- Area Hand Over
- Risk Assessments
- Service plans
- Waste carriers registration(s) and environmental permit(s)

3.4 Supervisor/Operatives requirements

- CSCS / CCDO / CPCS / IPAF etc. cards
- Face fit certificates

4.0 Identified hazards

4.1 Please see the next page for the risks associated.

Project No. and name: Hadley St Car Park C624							Date of assessment: 13/05/24			Date(s) of reassessment 01/08/24			
Activity: Demolition of Car Park							Person conducting assessment: A Crawford						
Are vulnerable persons involved? No							Total persons at risk: 5 Max						
Severity	5	10	15	20	25	Likelihood	Severity			Actions post controls			
	4	8	12	16	20	1 very unlikely	1 first aid / illness / uncontrolled			Green	Proceed in accordance with RAMS		
	3	6	9	12	15	2 Unlikely	2 minor injury / GP / minor illness / loss or materials				Yellow	Proceed with caution in accordance with RAMS	
	2	4	6	8	10	3 Likely	3 LTI <7 days / illness / minor damage / complaint			Red		Stop. Re-evaluate the methodology and introduce additional practical controls to mitigate risk further	
	1	2	3	4	5	4 Very likely	4 LTI > 7 days / Breach of conditions / loss / damage to environment						
	Likelihood					5 Almost certain	5 Fatality / long term injury or disease / irreparable environmental damage			Purple	Do not proceed – task is not authorised to commence at this risk level		
Hazard (Harm)			Prior to controls L x S			Control measures				With controls L x S			Action by (name/title)
			L	S	LxS					L	S	LxS	
Injury from manual handling			3	5	15	<ul style="list-style-type: none">Manual Handling risk assessment must be completed prior to any manual handling commencing.All operatives will be subject to a tool box talk on the risks and best practices when it comes to manual handling.				1	5	5	Supervisor
Cuts or abrasions from manual handling			3	4	12	<ul style="list-style-type: none">All operatives must ensure they are wearing task specific gloves and PPE.				1	4	4	Supervisor
Moving vehicles			2	5	10	<ul style="list-style-type: none">All operatives are to adhere to the pedestrian transit routes and walkways.Banksmen/traffic marshal will control all vehicles accessing and egressing site. 2-way radios to be used.Vehicle reversing will be minimised on site.				1	5	5	Supervisor
Working at Height			4	5	20	<ul style="list-style-type: none">Ground must be level and suitably prepared.No works are to be carried out in excessive high winds.Set up of tower to be done by a trained operative.Suitably qualified and experienced operative to erect any working at height access solution.				1	4	4	Supervisor
Working in close proximity to the public			3	3	9	<ul style="list-style-type: none"><u>Ensure that the site boundary is secure and safe, with no holes or points of easy access.</u> The site supervisor will act as a community liaison officer supported by the PM throughout the works.Prior to mobilisation, LB Camden will conduct a letter drop to all local residents/stakeholders and inform them of the works which are going to be taking place.				1	3	3	Supervisor

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				<p>All buildings will be left in a structurally safe state when works cease for the evening.</p> <ul style="list-style-type: none"> All voids will be covered by suitable means, and all exclusion zones clearly denoted. 				
Moving Plant	4	5	20	<ul style="list-style-type: none"> Suitably trained plant operative only to operate plant on site. Banksmen to be in place at all times. Protection to be installed to protect live services. 				
HAVS from powered hand tools	3	5	15	<ul style="list-style-type: none"> HAVS register must be completed at the end of each working shift. - A tool box talk will be held on the risks and best practices in regards to HAVS and use of powered hand tools All operatives will adhere to the maximum shift and break lengths for the powered tools. Clear PAT testing labels to be displayed 	1	5	5	Supervisor
Live UKPN Sub Station Area	4	5	20	<ul style="list-style-type: none"> No works in UKPN area. 24/7 access to be provided for UKPN. 	1	3	3	Supervisor
Flying objects (dust and debris)	3	4	12	<ul style="list-style-type: none"> Eye protection to be worn. FFP3 face masks to be worn, must be face fitted when cleaning the offices. Door locks to be checked to ensure public cannot access 	1	3	3	Supervisor
Noise	3	4	12	<ul style="list-style-type: none"> Ensure the plant is in good working order by undertaking daily safety inspections, planned preventative maintenance and defect rectification. Minimise duration of noise works. Operative to wear suitable ear defenders if over limit of 85dBA. Take regular breaks and rotate workers. Define hearing protection areas and enforce. Regular noise sampling/assessment. Locate away from sensitive receptors taking care in the orientation of the plant (noisy parts) to minimise adverse impact. Utilise good working practices to minimise impact upon sensitive receptors; restrict noisy operations to set hours. 	1	3	3	Supervisor
Use of demolition excavator and attachments	5	5	25	<ul style="list-style-type: none"> Operators to read and understand method. Once briefed sign up to Method Statement Suitably qualified and experienced operators with CPCs cards undertaking all work. Plant to operate within safe working limits at all times. Install physical barriers to segregate demolition operations with appropriate signage. Safe drop zones to be kept clear of accumulated demolition arisings. Machines to be set up, guarded and serviced in accordance with manufacturer's specifications. Operators to undertake and document daily safety inspections of all plant and attachments and defects rectified 	1	3	3	Supervisor

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				<ul style="list-style-type: none"> Only plant operators allowed within the demolition zone, access controlled by Banksman. Due care not to track over underground voids/pits, mark out on the ground, avoid, and protect as necessary e.g. road plates, navvi mats. Cab doors and windows to be kept closed to minimise operators to noise and dust. Materials to be damped down to control dust. 				
Collision with mobile plant, site operatives or pedestrians	4	5	20	<ul style="list-style-type: none"> Communicate and enforce a safe route for vehicles and pedestrians with a safe speed limit. Delivery drivers to be briefed and inducted as relevant. Traffic management plan to be developed and briefed for site activities. TMP also to be shared with suppliers. Suitable and sufficient space between materials, work areas and plant operations. Suitably qualified and experienced drivers and plant operators. Banksmen to be in attendance when vehicles are reversing or working in restricted areas. Reversing beacons, sirens, mirrors, and where applicable cameras to be fully operational on plant and vehicles at all times. Regular safety inspections and PPM of all Company vehicles and plant ensuring defects are rectified in good time. All persons to wear high visibility clothing. Pedestrians to give way to moving vehicles; always attract attention of operator. 2-way radios to be used. 	1	5	5	Supervisor
Unauthorised access	4	5	20	<ul style="list-style-type: none"> Perimeter fence to be regularly inspected and well maintained. Access gates to be closed and locked outside of site hours. All gates/fencing to be closed when not in used for both ramp installation and demolition works All visitors instructed to report to site office for induction. Ensure adequate signage is displayed on the fencing and gates to warn potential intruders of the site hazards. Plant and equipment immobilised out of hours and shutters put onto machines. All office and welfare buildings locked, and window shutters closed. Diesel bowser locked unless in use. Controlled access by site supervisor. Stores locked and access restricted by site supervisor. Do not leave valuable items on display. 	1	5	5	Supervisor
Failure of structure when demolishing	4	5	20	<ul style="list-style-type: none"> Demolition to be sequenced and the sequence followed, the demolition will never be carried out to undermine the structure. 	1	5	5	All

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				<ul style="list-style-type: none">Competent and experienced machine operator with CPCS certification will be used to carry out demolition works.				
UXO	4	4	16	<ul style="list-style-type: none">UXO Safety Awareness Briefings: To all personnel conducting intrusive works on Site.Watching brief of all 'open' mechanical excavations and magnetometer survey of any borehole locations within the Moderate Risk Zone only.	2	2	4	Site Manager

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5.0 PPE / RPE

5.1 Mandatory

- Safety helmet (EN397)
- Safety footwear (EN345)– Mid sole and toe protective lace up boots S3
- High visibility vest / jacket (EN471) – to be fastened at all times
- High visibility trousers (EN471)
- Eye protection (EN166.1.F)
- Gloves (EN388)



5.2 Task specific

- Gloves – task specific (EN388)
- Goggles



6.0 Programme

- 6.1 This Method statement describes the site set up activities, the activities include;
- 6.2 Contract Working Hours: 07.00-18.00 Monday- Thursday, 07.00-12.00 – Friday. These times are not definitive and could be subject to change throughout the course of the works.

Works are expected to last 1 week commencing 7th May 2024

- 6.3 Considerations:

Noisy operations will be minimised with breaks at regular intervals, working between the hours of 08.00-18.00 Monday to Friday.

7.0 Resources

- 7.1 Contract management team

A Crawford Project Manager

Bryan Bradshaw HSE Director

- 7.2 Site management team

C Mann Site Manager

- 7.3 Sub-contractors

Oakwood Plant Hire

Campbell Associates

- 7.4 Tools and Equipment

Heras fencing, feet, clips,

7.5 First Aid requirements

- Coleman First Aider (C Mann) ☒ Client First Aider Present ☐
- No of First Aid trained persons: 1
- Small first aid kit (1-10) ☒ Med first aid kit (11-20) ☐ Large first aid kit (12-50) ☐
- Burns kit ☐
- Sterile eye wash ☒
- First Aid Room ☐
- Nearest A&E: University College Hospital, Pond St, London, NW3 2QG Time: 10 mins – Distance: 1.7 miles

8.0 Method & sequence

Prior to works commencing Coleman Cutting Services will install required propping as per design drawing XXXX, once installed the car park will be divorced from the structures being retained as per their signed and approved method MS01- Separation Cuts



- 8.1.1 The delivery of the 30-ton excavator will be planned in advance and the route agreed with the haulage company. The low loader will be escorted to site with an additional escort vehicle as per the rules set in place by TfL.

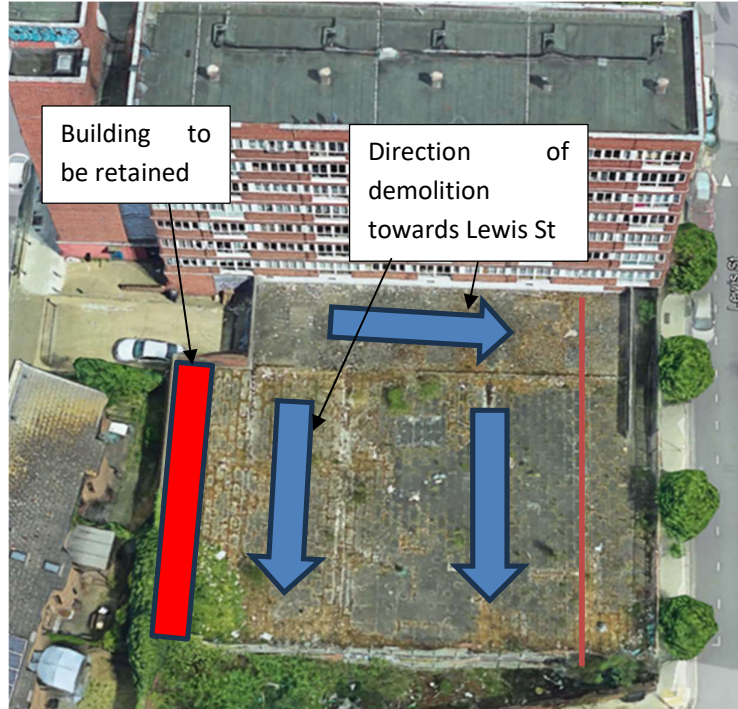
Delivery time will also be as per the rules for TfL, however it is likely that the machine will be delivered early morning due to the embargo on wagons over a certain size having to be out of the London area by a certain time. This will be made known to the residents.

- 8.1.2 With the excavator on site the machine positioned on the access ramp leading to the car park will begin the demolition. The excavator will begin by removing the front of the structure highlighted below in green. Once removed the arisings will be pushed inside the car park to ensure the machine is working on a level area.



- 8.1.3 The excavator will then demolish its way into the structure working as per the below diagram. Using a hydraulic attachment the machine will pulverise the roof slab allowing the arisings to fall to the ground floor slab. The excavator will also pulverise the columns and separate out any rebar for recycling. A portable motofog will be always used to damp down the dust to ensure no thresholds are exceeded.

Due care and attention are to be given to the live structure namely Heybridge and the retained structure which backs on to the live gardens.



- 8.1.4 As the demolition proceeds through the building towards Lewis St the demolition is to halt one structural bay before the footpath. This is to ensure that all the notifications are in with the council to install the footpath closure and parking bay suspensions.

Once the closures are in place the footpath is to be protected by using 8 x 4 ply board sheets. A layer of boards will be placed to capture any debris falling on to the footpath. The heras fencing erected will also be fitted with debris netting and securely attached to the retaining walls using screw fixings and builder's band.

Demolition will then be allowed to proceed using the above method to finish off the final structural bay. If debris does go on to the footpath this is to be cleared at the end of each shift.

8.2 Removal of Slabs and Foundations

Prior to any excavations taking place the below safety awareness is to be undertaken by a trained UXO operative.

UXO Safety Awareness Briefings: To all personnel conducting intrusive works on Site.

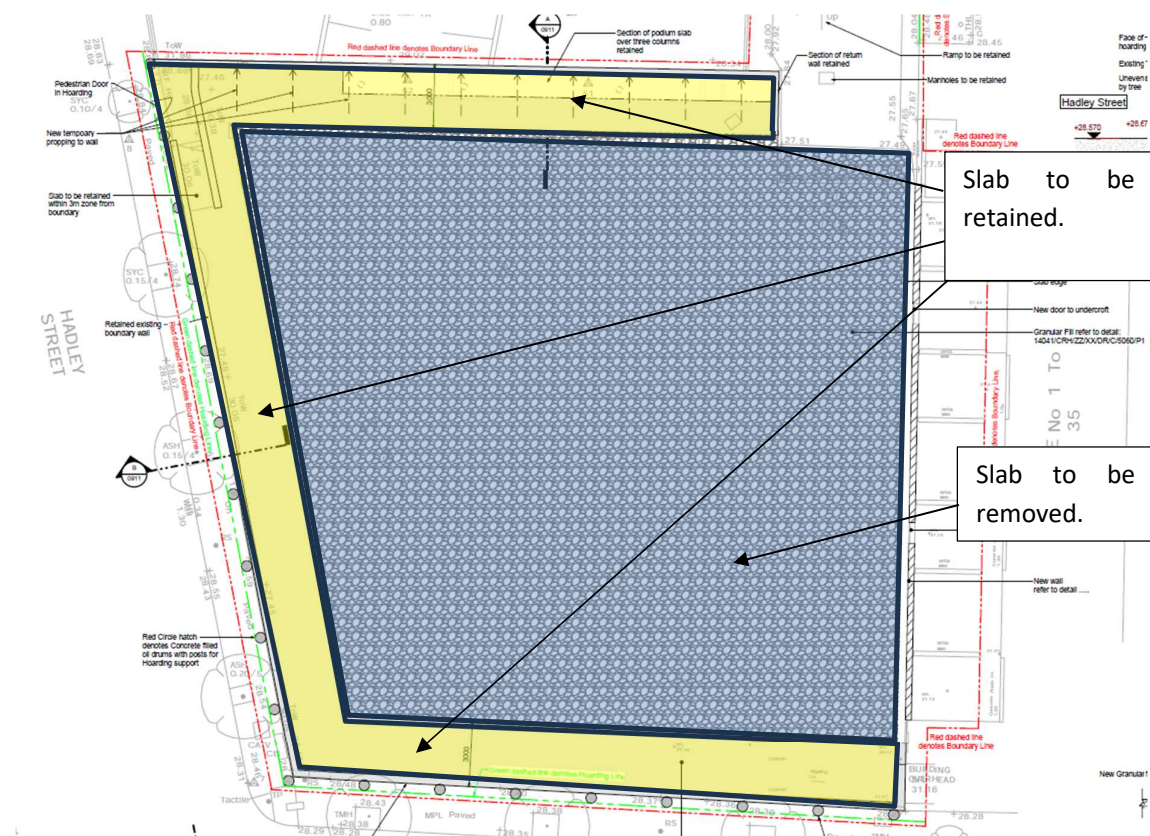
Moderate Risk Zone Watching brief of all 'open' mechanical excavations and magnetometer survey of any borehole locations within the orange area.



**Note: areas where excavations are taking place must be CAT scanned by a suitably trained person.
Once this has been completed a permit to excavate is to be completed and signed by all
personnel involved within the operations.**

- 8.2.1 Using a breaker attachment the excavator will go round the slab breaking holes within the slab, these will be done every 4m as to weaken the slab, but due to noise constraints breaking will have to be done sporadically. An area approximately 10m x 10m will be perforated using the breaker, the excavator will then change to bucket attachment to remove the slab, this process will be followed until all the slab is removed.

The drawing highlights below the areas where slab is to be maintained in its position as it is providing support to the external retaining wall.



8.2.2 Following the breakout of the slab the foundations and any pile caps require to be removed. The excavator fitted with a bucket attachment will dig where the columns once stood to find the pile cap. Once located the excavator will dig round all four side and then break off the cap. This will be then removed from the area and the soil put back into its position. This will be repeated throughout the dig area.

Upon completion of the removal of the foundations the whole area will be reduced in level by circa 300mm. During these works the disturbed ground will be re-laid in layers and compacted using the excavator and vibrating roller. Following these works import material will be delivered to site and laid again in 150mm layers and compacted until at the correct required level.

8.3 Removal/Import of Material

8.3.1 During the works at regular intervals 8-wheel tipper wagons will be called upon to remove processed arisings. The vehicle following the permitted routes will come to site and then under the control of a trained banksman/traffic marshal will be escorted on to site where it will position itself to be loaded by the excavator. Once loaded the banksman/traffic marshal shall escort the wagon out of site.

- 8.3.2 The same process will also be followed when deliveries of type 1 material is transported to site. The 8-wheel tipper will drive on to site and be shown where to tip the load. This will be always followed.

No site personal pedestrians to be in the vicinity when wagons are coming in and out of site.

9. General

- 9.1 This methodology is to be strictly adhered to at all times. In the event of any occurrence that may necessitate a change to the method e.g

- (a) Changes in the nature of the works
- (b) Additional works , ancillary works
- (c) Previously unknown / unidentified risks (asbestos/suspect material/ etc)
- (d) Ground/site conditions

The works will cease and an assessment will be made as to the most appropriate course of action to be taken. The revised method of work MUST follow CGMS guidance document G473 and CRRM. The agreed method will be advised to the workforce by the Site Supervisor by means of a suitable method re-briefing and signed for in the register provided.

This will require the risk assessment and method statement to be reviewed and approved as per Coleman Group procedures and must be signed off prior to any changes commencing. This may include the site supervisor drafting a proposed method for review and approval (refer CGMS G473 for details of signing procedures) and forwarding to the Project Manager in sufficient time for the reviews and approvals to be undertaken, and where required issue of the documents to the Client / Principal Designer / Client's representative.