



Project No SG7489

Demolition RAMS 03-B

The Crown Trading Centre,

29 Clayton Road, Hayes, UB3 1DU

Method Statement Title:

SG7489 The Crown Trading Centre, 29 Clayton Road, Hayes UB3 1DU

Method Statement No.:	03	Revision No.:	A
Prepared by:	Name: Geoff Barlex	Signed: 	Date: 15.09.2022
Reviewed by:	Name: Alan Taylor-Reed	Signed: 	Date: 15.09.2022

Revision Detail:

Revision No.:	Revision Detail & Issue Status:	Completed by:	Issue Date:
A	First issue	Geoff Barlex	15.09.2022
B	Client Comment	Geoff Barlex	22.09.22

PART ONE:**Method Statement Details:**

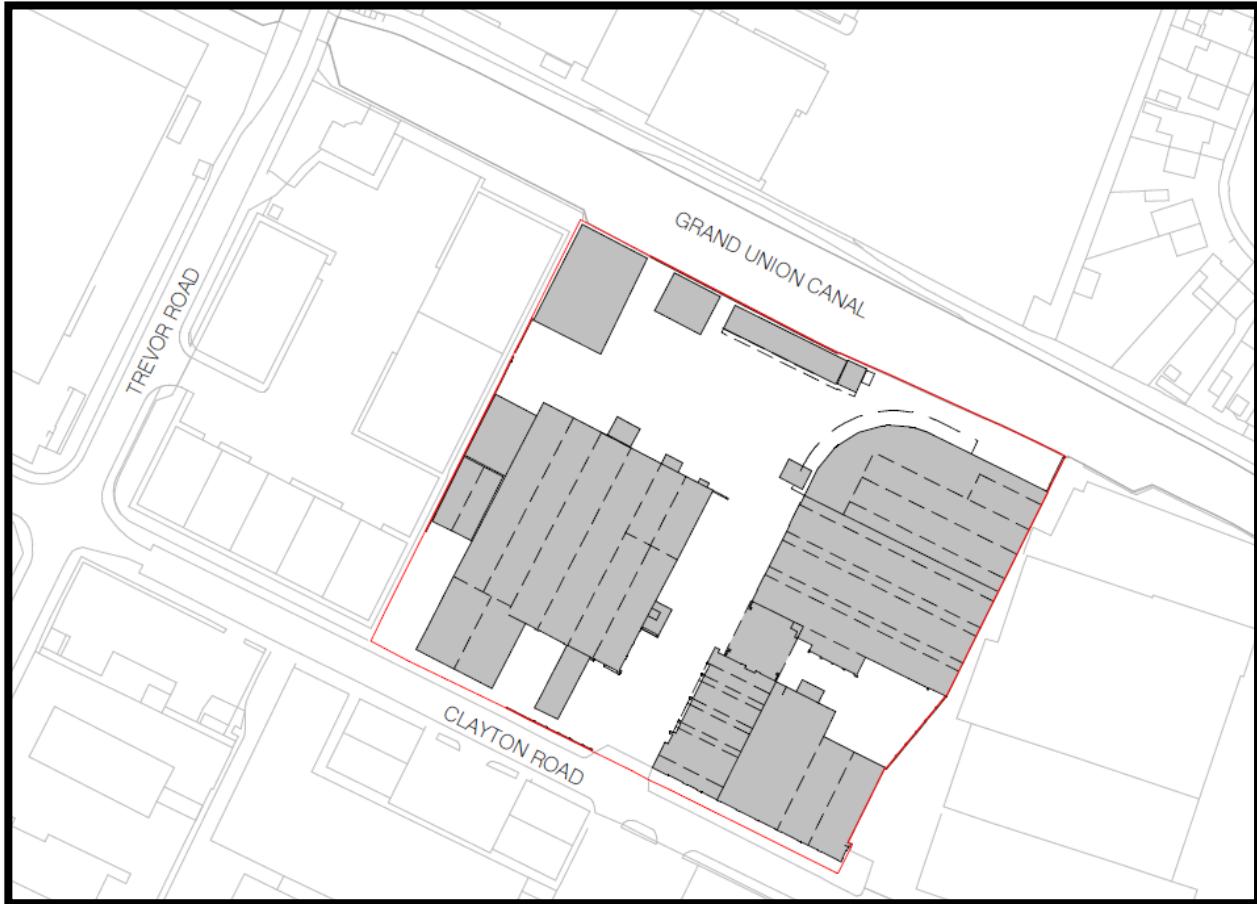
Project Name & No.:	The Crown Trading Centre	Project Contracts Manager:	Geoff Barlex
Project Address:	29 Clayton Road, Hayes, UB3 1DU		
Method Statement Title:	The Crown Trading Centre		
Method Statement No.:	03	Revision No.:	B
Anticipated Start Date:	03/10/2022	Anticipated Duration:	22 Weeks
Site Working Hours:	Mon–Thur: 08:00–17:00hrs Fri: 08.00–16.30hrs	Saturday: 08:00–13:00hrs	Sunday: None

Location of Works:

The Crown Trading Centre, 29 Clayton Road, Hayes, UB3 1DU.



Site Map



Overview of Scope:

To remove the asbestos, soft strip internally, demolish main structure and ancillary building down to slab, remove slab and foundations to depth of 2M. Removal of tarmac from car park, save railway lines. Clear site of all arisings. Install sheet pile wall along canal bank and backfill with concrete.

New hoarding erected.

Buildings to be demolished as follows:

- All buildings on the site
- Remove slab and footings to depth of 2m, crush all suitable materials to 6F2 specification and leave on site for others.

New Canal Wall

- Place sheet piling and concrete fill along canal bank as per drawing 3048-WHP-NA-XX-DR-Y-0101.

Scaffolding.

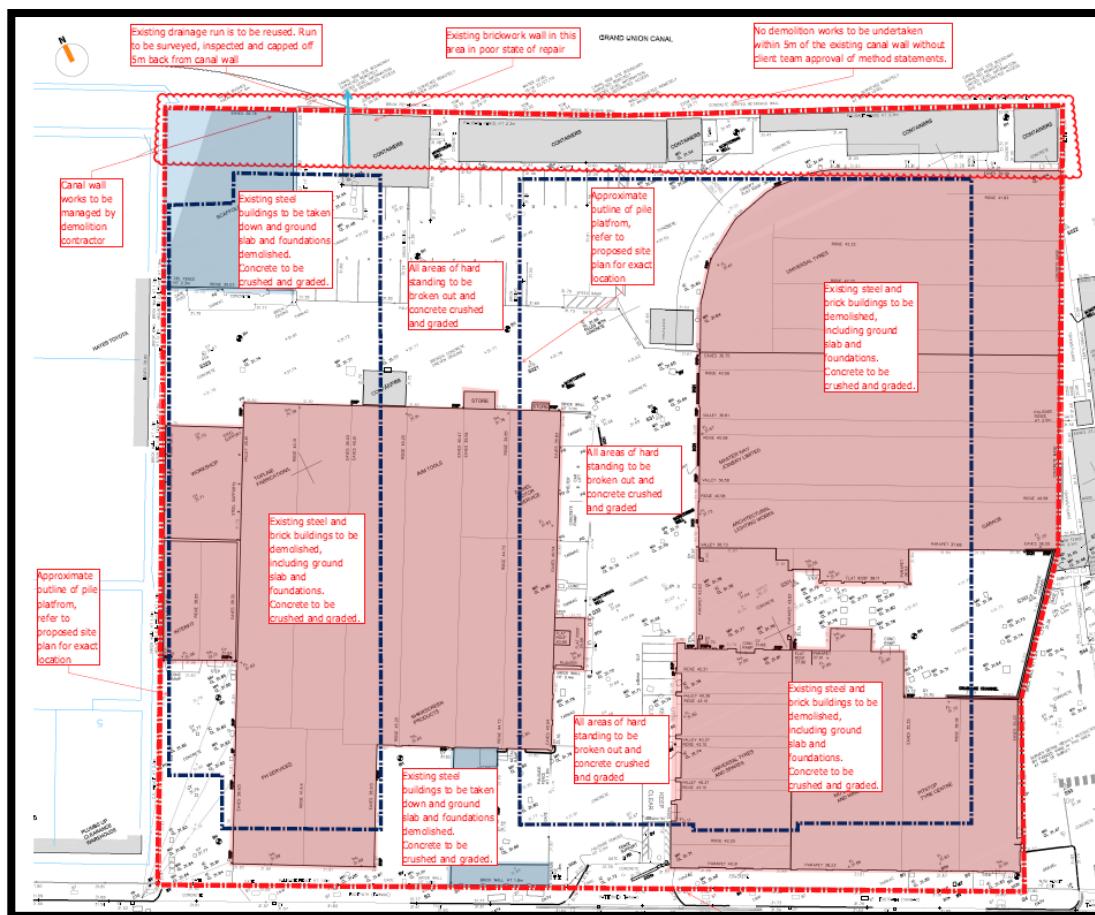
- On East flank wall with interface between site and Heathrow Transits.
- Along Eastern facade to Clayton Road.



Description of Works & Safe Working Arrangements:

- Erect mesh and block fencing and hoarding to Clayton Road, welfare will be located within car park area near main entrance. Squibbs will arrange out of hours site security.
- Undertake site survey and R&D survey to vacated buildings.
- Squibb Group Licensed Asbestos Division Operatives to remove all asbestos under controlled conditions as per the Control of Asbestos Regulations (CAR) 2012 and Squibb Group safe operating procedures.
- Soft strip buildings
- Place new canal wall and concrete infill.
- Confirm site is COVID-19 secure and safe procedures can be adequately followed.
- Scaffold erected to protect pinch point
- Squibb Group Demolition Division CCDO Operatives to follow on immediately after air clearances etc. and soft strip internally using Squibb Group safe operating procedures.
- Squibb Group Demolition CPCS Machine Operators to demolish the buildings in a phase sequence down to slab level, ensuring the building is self-supporting at all times. All vehicle movements will be controlled by Traffic Marshalls, dust suppression will be controlled using a fine mist of water.
- Foundations and hard standing to be taken up to depth of 2M, using pulverisation techniques and lifting slab, if possible, to minimise noise, dust, and vibration.
- All arisings will be cleared from site other than crushed 6F2 materials
- Site left safe and level.

Site Logistics/ Works



**PART TWO:****Supervision & Works Management:** [delete as applicable]

Name of Squibb's Supervisors:	CCDO/CSCS	CPCS	SMSTS	SSSTS
Paul Morris (Demolition) 07736 018441 (TBA)	Yes	Yes	Yes	No

Sub-contractor Management: [delete as applicable]

Sub-contractors Used:	No	Sub-contractors MS & RA's [Approved]	No
1. NOT APPLICABLE		2. NOT APPLICABLE	

Significant Risk & Hazard Identification:**Who Might be Harmed?** [delete as applicable]

Site Operatives	Yes	3 rd Parties & Public	Yes
Other Contractors (Galldriss and subcontractors)	yes	Environment	Yes

Hazard Identification: [delete as applicable]

Slips, Trips & Falls	Yes	Access & Egress	Yes
Manual Handling [see Appendix for Assessment]	Yes	Lighting – general & task (you will need task light inside buildings for soft stripping)	yes
Plant & Machinery	Yes	Hand Tools	Yes
Excavations (Are part of your works)	yes	Vibration	Yes
Confined Space	No	Noise	Yes
Traffic Management	Yes	COSHH [see Appendix for Assessment]	Yes
Lifting Operations (You will deliver a storage container we will need a generic lift plan)	yes	Dusts & Fumes	Yes
Fire & Hot Works	Yes	Asbestos	Yes
Work at Height	Yes	Fall of Materials	Yes
Other [state]	No		

Required Operative Competencies: [delete as applicable]

CCDO [Demolition]	Yes	JIB / ECS [electrical]	No
CPCS [Plant]	Yes	FASET [nets / rope access]	No
CISRS [Scaffolding]	No	Abrasive Wheels [Stihl saws]	Yes
CSCS [General]	Yes	First Aid [at Work / Appointed Person]	Yes
Asbestos Awareness [Demolition]	Yes	Fire Awareness / Marshalls [Hot Works]	Yes
PASMA [Mobile Towers]	Yes	IPAF [MEWPS & SPB's]	No
Other [state below]	No		

**Personal Protective Equipment Requirements:** [delete as applicable]

PPE Type			Required	Details & Specification Required					
Hard Hat / Safety Helmet [impact levels]			Yes	Hard Hat					
Yes	No	Yes	No	Yes	No	No	No	No	No

PPE Minimum Specification:

Hi-Vis Clothing [high speed roads, railways, DLR]	Class 2 Yellow Hi-Vis Vest
Protective Footwear [toecap, midsole, slip, chemical]	Boots, including ankle support, toecap & midsole
Gloves [abrasion-cut-tear-puncture / chemical]	Mechanical hazard rating [4-1-3-1]
Eye Protection [glasses / goggles – impact, dust, liquids, welding]	Impact Glasses for general use. Task Specific Medium/Heavy Energy Impact Goggles with dust protection (confirm sufficient for task before use)
Respiratory Protective Equipment [dust / fume]	FFP3 Dust & Mist disposable half masks (task specific)
Hearing Protection [Ear Plugs / Earmuffs]	Earmuffs / Plugs with SNR Rating (task specific)
Protective Overalls [Contaminated Land / COSHH / Asbestos]	Chemical splash, tear and abrasion resistance (Task Specific)
Other:	Burning PPE if Oxy/Propane used

Personal Fall Protective Equipment Requirements:

Are 'Work at Height' operations required during the completion of the works?	Yes
Has the 'Work at Height Regulations' hierarchy for management and selection of work equipment been applied?	Yes
Full Description of 'Work at Height' Operations required and work methodology:	
Operation 1.	Using and moving MEWP, mobile scaffold towers erected by PASMA qualified operatives to a height of no more than 2.2 metres.
Operation 2.	
Fall Protection Equipment Required:	No
Operation 1.	
Operation 2.	
Designated anchor points to be used for the works:	N/a
Operation 1.	
Operation 2.	
Has a work at height rescue plan been developed?	N/a

**PART THREE:****Method of Work, Inspections, Permits and Risks:****Method of Work**

Works as follows:

- Site hoarding to Clayton Road.
- Welfare set up
- Asbestos Removal
- Soft strip main building
- Scaffolding to pinch point of building
- Demolition of building down to GF slab, GF slab and footings to depth of 2M, crush suitable materials to 6F2 specification.
- Tarmac removal in Car Park area
- Installation of new Canal wall.
- Clear site

Site Inductions

All operatives must be site inducted, sign RAMS and understand Squibb Site Rules.

Introduction

The following paragraphs are intended to provide an overview of the project giving an outline of the work to be conducted and the systems of work to be adopted. It is subject to review and finalisation of planning. Where appropriate, discreet elements of the work shall have a risk assessed method statement (RAMS) issued. All subcontract works shall be subject to a specific risk assessment and method statement.

Services

Squibb Group will check for live services before works commence, all services will be isolated back to incomings, isolation certificates will be issued by Squibbs. Service provider will be contacted to disconnect incoming supplies back to site boundary. Disconnection certificates to be issued once works completed. Substation will remain live throughout works; protection scaffolding will be erected for protection and SSE Power Distribution will be contacted to inspect condition of substation pre and post demolition.

Asbestos

Refurbishment and Demolition Asbestos Survey will be undertaken, and all identified asbestos materials will be removed prior to works commencing, but subject to the preparation of a Plan of Works. Non-licensable work may be undertaken as soft strip commences but a Work Plan to comply with the Control of Asbestos Regulations 2012 will be written for all such activities. Similarly, the risk assessment will have identified any toxic materials such as fluorescent light tubes or smoke detectors to be set aside for separate disposal. Should any unidentified or suspect materials be uncovered during the works all work in that area will cease, the area will be barriered off until the suspect materials have been identified. (Separate RAMS to be issued for this element of works).

Scaffolding

Scaffolding will be erected to pinch point on corner of building near adjoining property. Works to be undertaken by subcontractor with separate RAMS issued.

Hoarding

Erect hoarding as per design specification, works included temporary works file.

Temporary Works Requirements

Squibbs to appoint TWC, TWS will be appointed once hoarding / scaffold erected.

Structural Survey

Prior to the structural demolition commencing a full structural survey assessment of the site will be undertaken by Squibb Management in order to ascertain the sequence of works. This will be strictly followed by the on-site management team.

Archaeological Works

N/A

Trees

The site has TPO's, Trees identified on attached drawing, will be protected to specification (these works will be covered under task specific RAMS). All trees not covered by TPO are to be removed.



UXO

To be consulted.

Works Near Network Rail Land

N/A

Sharp Sweep

We will undertake sweep of site, as site has been unoccupied for a period of time.

Salvaged Items

Railway lines

Soft stripping

Following site establishment and in conjunction with asbestos removal activities where possible, soft stripping of the structures will commence with the removal of all non-structural items for sorting within the building for recycling/disposal.

All the items listed below will be removed from the building prior to the mechanical demolition works progressing. The materials will be stripped from their fixings and sorted into their different waste streams on the floors. The materials will be stockpiled in agreed areas and then loaded into waiting bins positioned outside the building. Exclusion zones will be erected around the bins with warning signage warning people of the drop zone. From there they will be taken to the nearest recycling facility.

The tools to be used will be but not restricted to the following.

- Mattocks/hammers, 110v reciprocating saw, Abrasive wheels and Battery powered drills

All tools and equipment that fall within the category of hot works will be covered under and 'Hot Works' permit system.

Fixtures and Fittings

Any loose fixtures and fittings remaining of a manageable size be removed from the building whole, taken to the loading area by hand before being loaded directly into the waiting waste skips, larger elements will be dismantled/downsized using small tools, reduced into manageable sized sections, and again transported to the disposal point.

Suspended Ceilings

Suspended ceilings will be removed via mobile scaffold tower or scissor lifts (pending the room available), tiles will be lifted and twisted from the suspension system and lowered to the ground. Tiles will be bundled and then be periodically loaded into the waste skip.

Suspension system will be dismantled as tiles are removed with supports cut with croppers, the system then loaded directly into waste skip.

Doors, Door Frames & Skirting

Door frames and skirting will to be removed by operatives using pinch bars and hammers. The items are to be gradually prised from their place of fixing, any obstructions and nails are to be removed or hammered over with all resultant materials then being transported for disposal. Doors will be removed by operatives stripping off the door furniture, prising the door from its hinges again utilising pinch bars and mattocks, doors will then be either downsized for ease of disposal or carried whole to the disposal point.

Partition Walls

Stud partitioning is to be removed by the operatives using suitable hand-held tools, namely pinch bars, picks and hammers. The wall structure is to be dismantled by removing the coverings using the hammers and pinch bars. Once exposed, the remaining stud work is to be prised free and de-nailed or have nails hammered over. Resultant arising's to be transported to the loading area.

Floor Coverings

Wooden floor coverings are to be removed by the operatives' using mattocks and shovels. Carpet tiles and vinyl floor tiles are simply to be prised up using hand tools, then bundled and taped with resultant materials transported to the disposal point. Carpets of a roll-able nature will be cut into strips, whilst still laid, and then rolled up for collection in strips, these will then be transported to the disposal point.

Glass Units/Windows

Any internal glass units will be removed as complete units where possible. The glass will be handled with care and placed into skips to be disposed of in a safe manner



Fluorescent tubes

Any fluorescent tubes are to be removed as if being changed, bulbs collected and placed into a specialist waste coffin, this stored on site during soft strip works, removed as specialist waste once all bulbs are removed. In addition, any discarded, unidentified cylinders/drums/containers will be collected and tested for contamination and placed in a COSHH store on site. Once all COSHH items have been identified and stored a specialist waste sub-contractor will collect and dispose of accordingly. Soft strip materials on ground floors will be carried outside of the building and piled in their different waste streams.

Work at Height

Work at height is generally limited to underside of slab above usually requiring access to less than 4 metres. Access is achieved from small scaffold towers, tagged and erected by a competent person, or from "Podium" steps effectively a cross between a ladder and a scaffold, having the ease of use of a ladder but with the stability of a tower. MEWP's will be used by competent persons for high level works.

Cutting Works

Cutting operations are typically with disc cutters and reciprocating saws, operators being trained to use and change abrasive wheels and equipped with goggles and hearing protection, or with oxy-propane cutting equipment, again with trained operators, typically using hot work permit and on larger works having a dedicated fire-watchman.

Wastes

Wastes are generally sorted so that skips can be filled with a single type of material for recycling wherever possible, with usually only less than 5% value organic waste being disposed of as "rubbish". Waste movement to 'drop zones' is typically on barrows or "wheelie" bins to reduce the manual handling elements. Pipe work and trunking are cut into lengths suitable for both handling and fitting into skips. Due to the layout of various buildings, waste will be moved from area to area using tipper lorries loaded by excavator.

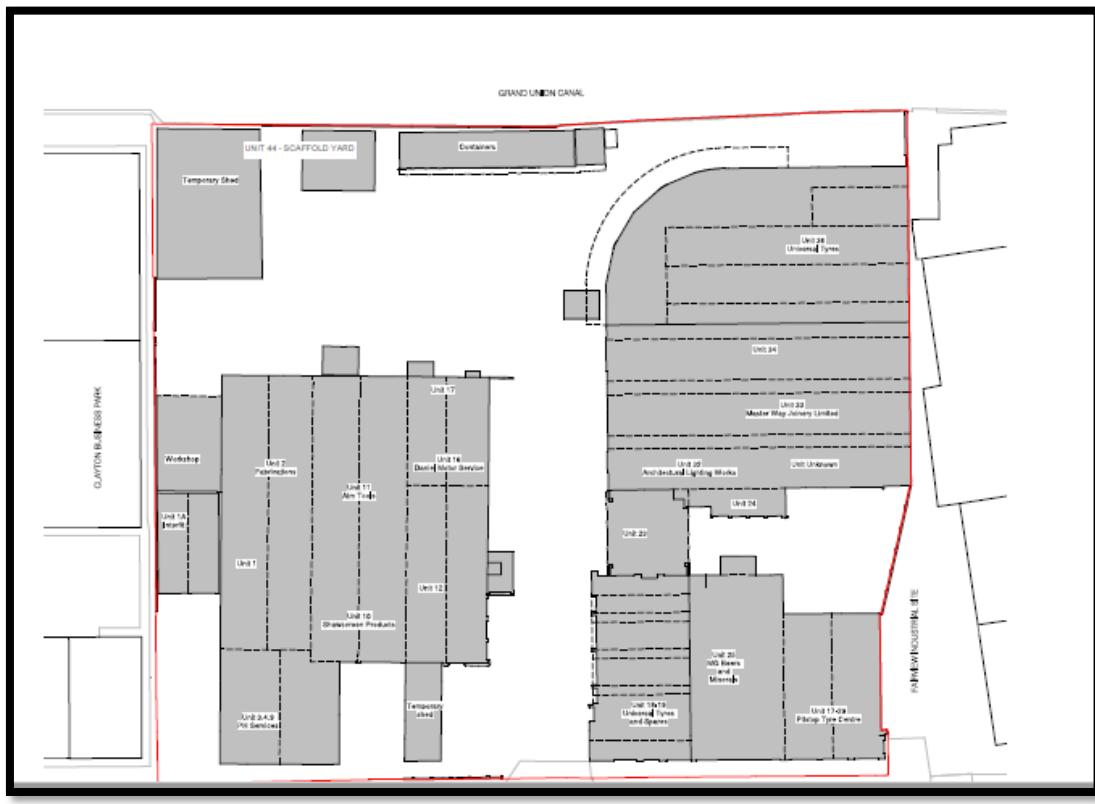
Structural Demolition

Works will be executed in accordance with BS6187: 2011 Code of Practice for demolition works and The Construction (Design & Management) Regulation 2015. A full structural assessment of existing buildings will be produced by Squibb Management to agree a demolition methodology. This will be followed by onsite management.

Areas of work

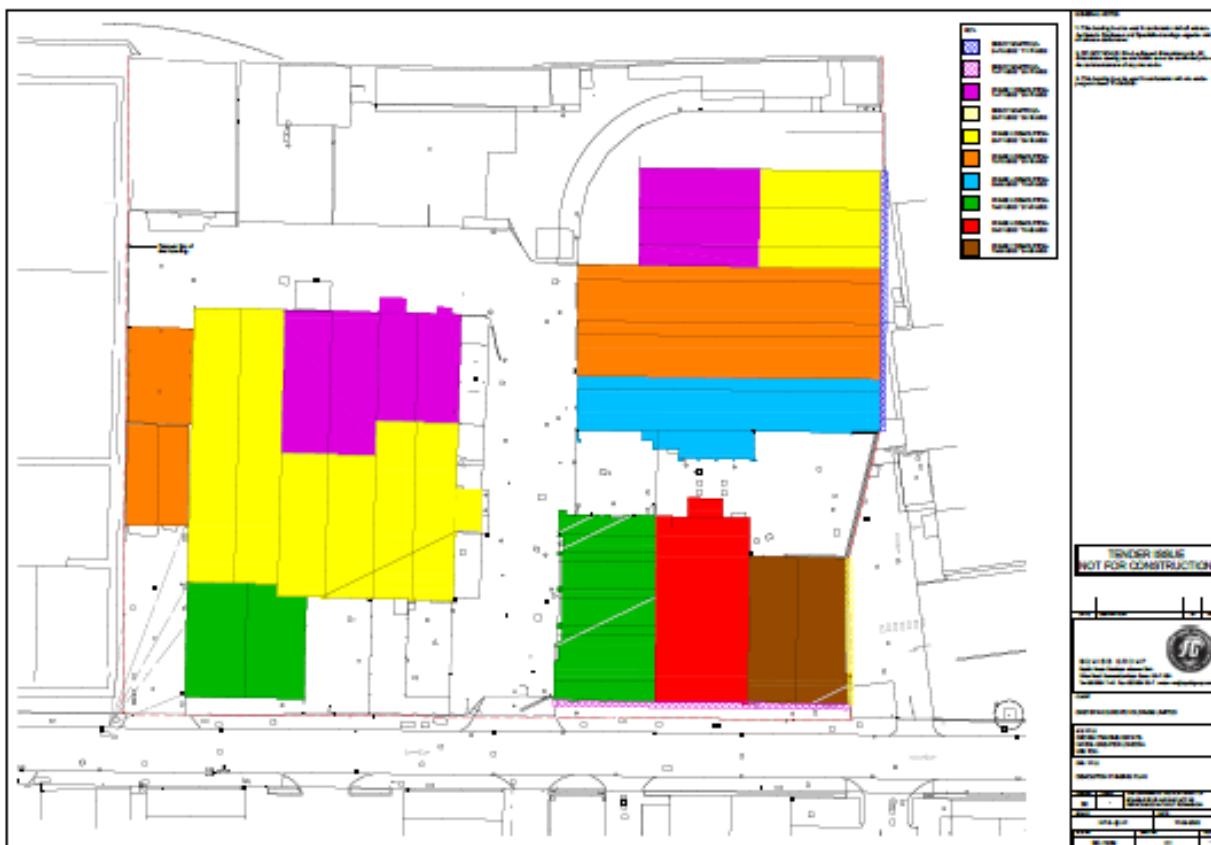
Buildings to be demolished as follows:

- See plan as below: (attached Separately)





Proposed Sequence of Demolition (attached Separately)



Most of the proposed structural demolition of the buildings shall be undertaken by mechanical means, significantly reducing the HAVS exposure to our operatives. The Squibb Group endeavor to use modern, effective, and optimal hand tools to reduce HAVS exposure. All operatives will work within the HAVS guidelines stated within each tool operating manual, their duration and the tools vibration level will be recorded to ensure the operatives do not become over-exposed.

Squibb's demolition will ensure that all necessary precautions are taken to protect their employees from hand arm / whole vibration syndrome through a good management of HAV's.

Squibb's will work in accordance with the British Standard 5228:2009 Part 2 provides guidelines on the acceptable vibration levels during the demolition. The guidance in the British Standards gives a vibration limit of 15mm/s above which cosmetic damage to neighboring buildings may occur; the demolition works will be carried out in such a manner as to ensure that this limit is not exceeded.

Dampening mechanisms will be attached to all mechanical plant as a minimum and regular break will be written into our RAMS as a minimum. Assessments will be undertaken before work commences.

An exclusion zone will be created using block and mesh fencing, with the area controlled by Site Manager/Supervisor to prevent access to area by third parties.

The buildings will be demolished in a sequential manner as advised in the project note.

The sequence will be as follows:

- Once building shave been soft stripped and all identified Asbestos Contaminated Materials (ACM) removed, demolition of structures will commence.
- Exclusion zone will be created using block and mesh fencing, to prevent access from third parties, warning signs will be displayed
- Buildings demolished in a sequential manner using 360-degree excavator with demolition attachments, working from the welfare end of site towards Becontree Avenue side.
- Demolish buildings bay by bay always ensuring its self-supporting
- Scaffolding encased with monarflex, will be erected to protect third parties and adjoining properties. Scaffolding will be struck as works progress.
- The demolish spoil will be processed as works progress
- Spoil will be processed on the ground floor ready for removal from site by a second machine. Waste will be segregated into a single waste type.



- Operative using oxypropane cutting equipment will cut up the steels working under permit to work as works progress if required.
- Dust suppression will be gained by an operative's using a fine water spray.
- The operatives will be positioned in a safe position away from the machine and from any falling debris.
- An exclusion zone will be created around the building to be demolished and will have warning signage displayed.
- A physical barrier between plant and the water suppression operative will be created using metal crowd barrier fencing and will be positioned a minimum of 3m away from machine slew circle.
- Dust emissions will be monitored, and methodology will be reviewed if emissions become an issue
- All work and plant operations shall be carried out by skilled tradesman / operatives trained in the use of the trade for which they are employed.
- Only certificated drivers shall be allowed to operate machinery on site.

Wastes are generally sorted so that skips can be filled with a single type of material for recycling wherever possible, with usually only less than 5% value organic waste being disposed of as 'rubbish'. Pipe work and trunking are cut into lengths suitable for both handling and fitting into skips.

Buildings Ground floor slab and footings

Once buildings have been demolished and the spoil cleared the ground floor slab and footings down to 2 metre depth will be removed, using 360-degree excavator fitted with breaker and bucket attachments. All excavations will be backfilled and compacted with site spoil.

Before any excavation work commences, the Site Manager will ensure that all information on existing underground services has been obtained and that either all services are physically located by cat scanning and marked by means of location equipment and/or carefully hand dug trial holes, or that trial holes are carefully excavated along the line of the proposed trench, or area of excavation.

All Site Managers, machine operators and banksman will be instructed in the procedures to be followed. Any sub-contractors involved in excavation work will be issued with full information obtained from service authorities, etc. and will also be involved in any consultation procedures.

- All persons on site will be instructed in the operation of a Permit to Work system, if applicable, the area must be cat scanned to locate all cables in the work area.
- All contractors must check with the site manager before starting any work, only trained operatives/management should use cable locating devices.
- All services company instructions must be sought on whether cables, gas and water pipes are 'dead' or 'live'. Particular care must be taken with all cables which are required to be maintained 'live'.
- Once exposed, cables and pipework must be protected from damage, with effective support where necessary.
- Where a cable or pipework is apparently damaged even if only superficially all persons must be kept clear, and the area cordoned off to prevent access.
- Work will not continue near damaged cables, pipework until the relevant services provider has made an examination.
- When backfilling trenches the relevant services company's requirements must be followed.
- Marker tapes and tiles must be replaced in their original positions.
- Do not use picks, etc., in soft ground where cables, pipework are present. Exposed cables or pipework must never be used as steps or hand holds.
- Never attempt to alter the position or route of any cable unless specifically instructed to do so.

Working in Adverse Conditions

Rail Tracks

The rail tracks will be lifted and stored on site ready to be removed by Client.

Once the permit is issued the slab and footings will be broken up and removed to depth of 2 metres. The resulting spoil will be stockpiled ready for removal from site. All excavations will be backfilled with site spoil and sides battered if ground levels drop.

Hot Works

Cutting operations are typically with disc cutters and reciprocating saws, operators being trained in the use and changing of abrasive wheels and equipped with goggles, hearing protection and flame-retardant overalls. Alternatively, oxypropane cutting equipment with trained, competent operators wearing flame retardant clothing. During any hot works, a hot work permit will be issued, and a dedicated fire-watchman will be in place

PLEASE NOTE: ALL HOT WORKS REQUIRE A PERMIT TO WORK.

Site Traffic

All vehicles will gain access to sites using Becontree Avenue entrance, the access to each site location will be controlled by traffic



marshalls. All traffic movement will be pre-booked to arrive out of school start and finish times, and will be marshalled/controlled on to site

Environmental impact of Structural Demolitions NRMM

All machinery will be registered onto NRMM system.

Noise Management

Handheld noise monitors will be used at agreed location points on the perimeter to ensure target levels are not breached from the chosen method of demolition. These will gauge the effectiveness of the control measures. If the measures are considered unacceptable, then revised methods / timings for the contravening demolition activity will be developed and proposed. Noise levels will be taken on a regular basis using handheld noise monitoring equipment at selected locations around the site where various items of plant are working. The target noise level for the demolitions at the receptor points is 75 DbLAEQ over the 2-hour noisy period. All efforts via best practical means to beat this level will be made.

Note: All plant will meet the European stage 111B emission criteria – as all plant to be used on this site will not be older than 2014; manufacturers had to comply with European Legislation which prevented anything being constructed that did not comply with Stage 111B from this date. All serial numbers and manufacturer's information will be held on site to demonstrate compliance.

Noise Control Measures

To ensure the previously described environmental impacts are kept to a minimum the following control measures will be implemented for the duration of the project:

- Where the above is not possible (for thicker sections of ground floor slab and footings); impact hammers will be used (there use will be minimised and be in accordance with voluntary noisy working hours 8-10am; 12-2pm and 4-6pm) and includes the use of percussive impact breakers
- All demolition works will use 'quiet' hydraulic powered demolition pulverising attachments where possible
- All lorries will be sheeted prior to leaving the site of fully serviced plant with fully operational exhaust systems Ensuring all plant engine covers are always closed
- All site plant not in use will be shut down and not left idling on site
- All provided site generator plant will be of the new 'whisper' operational type
- The shouting out of instructions on site will be strictly forbidden, all site management and supervisors will be issued with site communication radios
- The playing of radios etc. on site will be strictly forbidden
- The sounding of vehicle hooters on site or in any adjacent street will be strictly always forbidden
- No commercial vehicles will be allowed to park in the adjacent streets waiting for access to the site, particularly with engines left 'ticking over'
- Where possible all site plant will be effectively silenced and located in such areas of the site so as to cause the minimum amount of noise migration to areas beyond the site boundary.
- Maximum noise generation levels will be determined for each major item of plant from such information as supplied by manufacturers or company noise monitoring records. This will enable the potential level of noise generation to be anticipated.
- Where appropriate to minimise noise emissions from within the building work areas all glazing will remain in place for as long as possible.
- There will be no site activities or plant engines started or lorry movements to and from the site made before 8am and not after 6pm
- All plant deliveries and collections plus all waste management requirements will be coordinated to ensure the noise impact from all such vehicle's movements on the community is kept to a minimum and is within agreed times

Air Quality Management

Any emissions of nuisance dust and fine particulates emissions are to be adequately controlled and kept within acceptable limits. Therefore, having a potential impact on the local environment, the air quality relating to nuisance dusts and airborne particulates from the demolition works and operating plant will be continuously monitored for the duration of the project. The monitoring will measure:

- Dust emissions from the ongoing demolition processes
- Vehicle exhaust emissions from the operational demolition plant Exhaust emissions from vehicles accessing and egressing the site

Air Quality Control Measures

- To ensure the previously described impacts are minimised the following control measures will be implemented during the demolition project:
- Those demolition work areas generating dust will be liberally damped down using hoses and possibly dust busters
- All demolition debris prior to being loaded on to waste lorries will be damped down by the controlled use of fine water sprays All demolition waste lorries will be sheeted over prior to leaving site
- All site plant and waste collection lorries engines will be maintained in a fully serviced condition to ensure there are no smoke emitting exhaust pipes. To minimise the emission of exhaust particulates all site plant will be post 2014.



- The movement of all commercial vehicles particularly waste lorries to and from the site will be pre planned to prevent unnecessary vehicle movement.
- All contained refrigerant gases or other hazardous substances having an adverse impact will be removed by a specialist licensed sub-contractor for disposal in accordance with the hazardous waste regulations, at no time will venting to atmosphere of such materials be allowed
- At no time will substances or chemicals be used on site which are likely to produce offensive odours
- At no time will the burning of any demolition materials be allowed on site

Vibration Controls

The ground works will be monitored by Site Management, if complaints are received about vibration, then works will be stopped immediately, the method of works will be reviewed and an agreed before recommencing.

The traffic marshal will be always used to coordinate all vehicle movements into and out of the loading area.

Once the full hand over procedures have taken place and Squibb Group Security personnel have taken control of the site works, at no point will access be allowed into the site demise without prior arrangement and pre-planning with the site team.

**Statutory Inspections, Site Monitoring & Certification Requirements: [delete as applicable]**

Working Platforms / Scaffolding	Yes	Mobile Tower, Ladders & Podium Steps	Yes
Excavations	yes	Cofferdams & Caissons	No
Confined Space Escape Sets Certification	No	Vibration Exposure	Yes
Gas Monitor Calibration	No	Manual Handling	Yes
Noise Assessments	Yes	MEWP or SPB 6 monthly certification	No
COSHH Assessments	Yes	Lifting Plant 6 or 12 monthly certification	No
PUWER & Weekly Plant Checks	Yes	Lifting Equipment 6 monthly certification	No
PAT Testing Certification	Yes	Fall Restraint or Arrest Harnesses	No
CAT & Genny Certification	Yes	EDM, Survey & Laser Level Calibration	No

Permits, Hold & / or Control Points: [delete as applicable]

Permit to Work [High Risk Activity]	Yes	Permit to break ground	Yes
Hot Works Permit	Yes	Confined Spaces Permit	No
Permit to Work on or Near Live Electrics	No	Mobile, HIAB & Crawler Lifting Permit	No
Permit to Demolish	Yes	Permit to Pump Concrete	No
Environmental or Ecological Watching Brief	Yes	Quality Control or Inspection Test Plan	No
Other [state]	No	Clerk of Works or Building Control Inspection	No

Plant, Deliveries & Work Equipment**Operated Plant: [delete as applicable]**

Excavator [all sizes]	Yes	Articulated Dump Truck [all sizes]	No
Dumper [all sizes]	No	Compaction Rollers [all sizes]	No
MEWP's [all sizes]	No	Mobile or Crawler Crane [all sizes]	No
MEWP's / Scissor Lifts [all sizes]	No	Self-Propelled Booms / Cherry Pickers	No
Lorry Mounted Concrete Pump [all sizes]	No	HIAB or Grab Lorries (Generic lift plans to be provided for Hi-AB)	Yes
Other [state]	No		

Anticipated Delivery & Waste Removal Vehicles: [delete as applicable]

8 Wheeled Lorries	Yes	HGV Articulated Delivery Lorries	Yes
Other [state]	No	Waste Skip Removal Lorries	Yes

All vehicles will turn right on to the site from Brent Terrace having approached from the A406. All traffic will be marshalled on to site.

Small Plant & Work Equipment: [delete as applicable]

Compressors & Generators	Yes	Breakers & / or Demolition Picks	Yes
Compaction & Wacker Plates	No	Heavy Duty, Hammer & / or Rotary Drills	No
'Stihl' Saws, Grinders & / or Abrasive Wheels	Yes	Skill, Rip, Circular & / or Jig Saws	No
Mobile Scaffolds, Podiums & Ladders	Yes	General Site Lighting [e.g. Tower Lights]	No
Cable Locating Devices / CAT & Genny	Yes	Task Specific Lighting	Yes

**Plant, Deliveries & Work Equipment**

Manhole & Trench Boxes & / or Sheets	No	Lifting Equipment, Slings & Chains	No
Other [state]			

Lifting Plans & Operations: [delete as applicable]

Lifting Plans Required:	No	Appointed Person:	N/a
Lifting Plan Title:		Document Number:	Lifting Plan Risk Category:
1.			
2.			

Temporary Works: [delete as applicable] [see Appendix for TW Design and Calculations]

Temporary Works Required:	No	TW Co-Ordinator:	Client
Temporary Works Title:		Document Number:	TW Risk Level:
1. Scaffolding			3 rd Party Check by:
2. hoarding			

Materials & COSH**Materials to be Used:**

- Cleaning materials for Welfare areas.
- Diesel and oil for machine plant.

COSH Materials to be Used: [see Appendix for COSHH Assessments]

- Bleach
- Disinfectant
- Diesel
- Oil

COSH & Materials Storage Arrangements: [delete as applicable]

Location [state]	Stores Container	Lockable	Yes
Emergency Spill Kit Available [Chemical]	Yes	Bunded	Yes

Refueling Arrangements: [delete as applicable]

Designated Static Refueling Area	Yes	Location [state]	Existing car park area
Emergency Spill Kit Available	Yes	Double Bunded & Lockable Unit	No
Mobile Bunded Refueling Bowser	Yes	Designed Fuel or Gerry Cans	Yes
Plant Nappies & / or Drip Trays	Yes	Emergency Spill Kit Available [Oil]	Yes

Environmental, Ecological & Archaeological: [delete as applicable]

Contaminated Land	No	Hazardous & Controlled Wastes	Yes
Invasive Weeds [e.g., Japanese Knotweed]	No	Watercourses, Rivers & Streams	No
Protected Trees & / or Monuments	Yes	Protected Species & / or Habitats	No
Archaeology	No	Other [state below]	No

**Environmental, Ecological & Archaeological:** [delete as applicable]

Watching Briefs Required	No	
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COVID-19 and Welfare Facilities Arrangement: [delete as applicable]

Static Units	Yes	Location	Existing car park area
Mobile Units	Yes	Location	Existing car park area
Facilities Available – Toilets	Yes	Facilities Available – Rest Area	Yes
Facilities Available – Hand washing	Yes	Facilities Available – Drying Room	Yes
Facilities Available – Showers	no	Other:	

Sub-contractors & 3rd Party Impacts, Communication or Co-ordination Requirements: [delete as applicable]

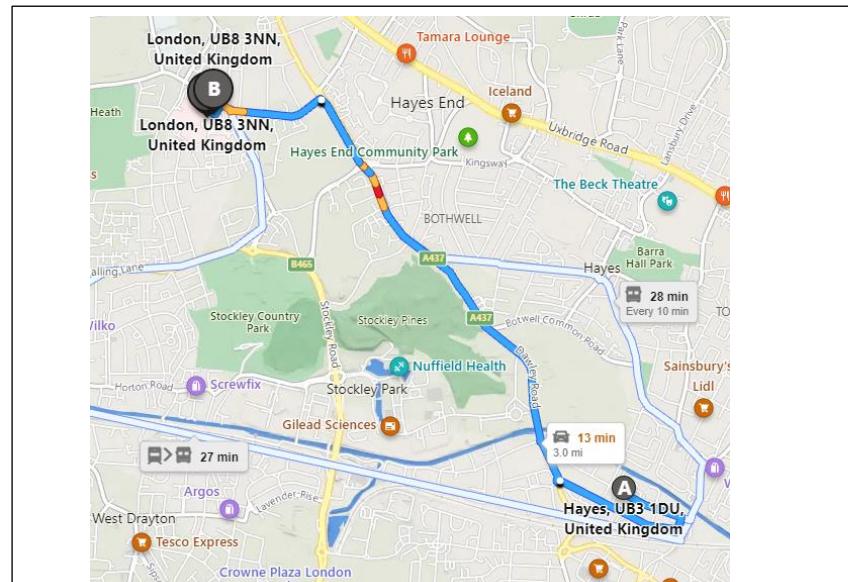
Traffic Management & Diversions [state]	Yes	Traffic Marshall will be utilised for all vehicular access and egress on and off site. (All gates to be kept locked for security reasons and never to be left unattended)
Wide or Abnormal Loads [state]	No	
Emergency Arrangements [state]	No	
Exclusion Zones [state]	No	
Statutory Undertakers & Services [state]	No	

Emergency Arrangements:

Accidents & Incidents reported immediately to:	Client, Squibb Group Project Contracts Manager and both the Squibb Group Operations and EHSQ Directors who will instruct a thorough investigation with a complete report written, recorded and made available to the client and interested parties.
Site Medical Emergency Arrangements:	Telephone: 999

24-Hour Accident & Emergency**A&E Department****Tel: 01895 238282**

Hillingdon Hospital
Pield Heath Road
Uxbridge
Middlesex
UB8 3NN



First Aiders:	1. Roska	2.	3.
Site Fire Emergency Arrangements:	Telephone:		
Fire Wardens	1. Paul Morris	2.	3.



Site Environmental Emergency Arrangements: EA	Telephone: 03708 506506
Project Specific Requirements or Any Other Business Applicable to Works:	
Not applicable	

Methodology Risk Summary & Assessment:			
Site Specific Risk Assessments: [see Appendix B for Risk Assessments]			
Risk Assessment Title:	Risk Assessment Number:	Completed By:	Issue Date:
Potential Severity of Work Activity: [strikethrough as applicable]			
First Aid Incident	Lost Time Incident / RIDDOR	Major / Fatality	
Likelihood of Harm from Work Activity: [BOLD and CAPITALS as applicable]			
Unlikely	POSSIBLE	Probable	
Numbers of Workers Exposed to Hazards: [strikethrough as applicable]			
1 to 5	6 to 15	15 plus	
Overall Risk AFTER Controls: [strikethrough as applicable]			
LOW	MEDIUM	HIGH	

Method Statement Communication		
Communication Methods:		
Method Statement Briefing – to be completed prior to the commencement of the works		DABS or Pre-start Briefing – prior to the start of works daily, the Site Supervisor responsible for the works will brief the operatives on the planned and scheduled works – re-iterating the safe systems of work to be employed;
Person[s] Responsible for Communication:		
Name: Geoff Barlex	Name: Paul Morris	Name:
Position: Project Contracts Manager	Position: Site Manager	Position:
Company: Squibb Group	Company: Squibb Group	Company:

Method Statement Monitoring & Compliance:		
Monitoring of compliance with the above method statement will be completed by:		
Name: Geoff Barlex	Name: Westley Squibb	Name: Mathew Nice
Position: Contracts Manager	Position: Operations Director	Position: EHSQ Manager
Persons authorised to update & amend above method statement:		
Name: Geoff Barlex	Name: Westley Squibb	Name: Alan Taylor-Reed
Position: Contracts Manager	Position: Operations Director	Position: EHSQ Director

Method Statement Quality Control:			
Prepared by:	Name: Geoff Barlex	Signed: 	Date: 15.09.2021
Reviewed by:	Name: Alan Taylor-Reed	Signed: 	Date: 15.09.2021

**Appendices:**

Appendix -- A	Risk Assessments
Appendix -- B	Manual Handling Assessments
Appendix -- C	COSHH Assessments
Appendix -- D	New Canal Wall - MS
Appendix -- N/a	
Appendix -- N/a	
Appendix -- N/a	



Appendix -- A

Risk Assessments

Activities, operations, materials, products or services	Potential safety, health or environmental hazards / impacts	Anticipated personnel potentially at risk, control and mitigation measures		
		Project Risk Level [insert decision commentary]	Control and Mitigation Measures [this list is not exhaustive and used only as a guide]	
Abrasive wheels - use of	Bursting of wheel, flying fragments, use of wrong wheel / disc, misalignment, entanglement, noise, vibration, dust, spillage, competence of operatives, fire	Low	<ul style="list-style-type: none">Only trained and competent persons to operate, select and change abrasive wheels;Correct PPE to be supplied by operative's employer and used by operatives, as identified in RA's – hearing protection, goggles etc.;Operatives to be made aware of the effects and levels of vibration exposure;Regular maintenance and before use checks by operatives to ensure equipment is fit for purpose;Dust suppression systems used to reduce creation of dusts;Segregated areas, barriers, netting or screening provided to prevent ejected materials / residues from cutting process impacting on third parties or other operations [task specific];Hot works permits in use, firefighting equipment available – all works in line with the Permit;	
Access / Egress – site and workplace	Injury due to slips, trips and falls, contact with materials or with mechanical plant, unauthorised access by public	Medium	<ul style="list-style-type: none">Develop a site specific TMP when PC or in control of the site;Co-operate and co-ordinate with the PC to work within their TMP and advise of requirements to complete Squibb Group Ltd works;Identify safe access routes, discuss any changes at weekly project co-ordination meeting;Site map placed on site EHSQ boards, in welfare units and access routes highlighted site specific site maps;All contractors to inform Squibb Group Ltd of access / egress requirements or modifications required for deliveries of plant and equipment;All access areas are to be secured and only authorised operatives and accompanied visitors allowed on-site;Suitable accesses to be created at workplaces for all trades;	
Asbestos removal / working with	Inhalation of airborne fibres, contamination of atmosphere, contamination of work area, hazardous waste disposal, duty of care	High	<ul style="list-style-type: none">Ensure that a intrusive survey have been carried out and information is available for review prior to commencement of any works;Arrange for licensed competent contractor to remove asbestos [where required / applicable];Any areas containing asbestos to be marked and site operatives made aware of presence – suitable signage to be used in the work area;Operatives to report immediately any suspect material and to stop work until material identified;All works to be completed within the guidelines of the relevant legislation and regulations;All operatives are to be trained and competent in the completion of works with asbestos removal;Daily checks completed of the work areas to ensure all control measures are working effectively and as required to eliminate / reduce the risk;	



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Activities, operations, materials, products or services	Potential safety, health or environmental hazards / impacts	Anticipated personnel potentially at risk, control and mitigation measures	
		Project Risk Level [insert decision commentary]	Control and Mitigation Measures [this list is not exhaustive and used only as a guide]
Chemicals, Hazardous Substances - use of	Corrosive, toxic, flammable, explosive, spillages, storage, occupational health, waste disposal of products after use or spillage	Low	<ul style="list-style-type: none">Substitute with less hazardous alternatives, use different product and ensure other products are investigated to eliminate the risk where available;Specific risk assessment to be carried out with Control of Substances Hazardous to Health (COSHH) assessment to ensure safe system is operated;Correct PPE to be supplied by operative's employer and used by operatives, as identified in COSHH assessment and SSoW;Store in chemical unit and in line with storage requirements;Ensure suitable and sufficient emergency spill kits are available for use where the need arises;
Clearance - of site	Removal of protected trees, shrubs, invasive weeds, unidentified wastes or fly tipped materials, sharps and needles, trespassers or vagrants, contaminated soils and land	Low	<ul style="list-style-type: none">Check with local authority for tree protection orders etc;Ensure ecological checks are made prior to the removal of vegetation to ensure protected species are not disturbed or inferred with;Use of plant and equipment for clearance of trees and shrubs must be by trained and competent operators;Operatives made aware of potential for sharps and needles. SSoW for localised removal of sharps, and LA contacted where issue is of concern;All equipment must be fit for purpose and regularly inspected and maintained;Correct PPE to be supplied by operative's employer and used by operatives, as identified in RA's;Surveys for hazardous and invasive vegetation (i.e., Japanese Knotweed and Giant Hogweed) must be completed prior to commencement of works;
Crushing Operations – use of	Untrained operatives, unguarded or poorly maintained machinery, noise, dust, vibration.	Medium	<ul style="list-style-type: none">Crushing operations to be agreed with local Environmental Health Officer (EHO) and current licences held;Dust suppression in use and equipment positioned with consideration for local community;Method statement / SSoW on the operations and management of the crusher operations;Operator must be trained and competent in the operation of the crusher.A suitable working area and exclusion zone to be placed around the crusher, to ensure third parties are eliminated from loading and crushed material ejection points;
Debris Chutes - use of	Collapse of scaffolding, blockage of chute, poor design, poor maintenance, falls of materials, falls of persons, poor erection and dismantling.	Not applicable	<ul style="list-style-type: none">Scaffold must be designed to ensure suitability for use with Chute – temporary works design complete;Chute to be installed / dismantled by trained operatives;Position of chute to be considered for access of skip;Chute to be examined at regular intervals to ensure no overloading;A SSoW for unblocking and managing blockages must be produced and adhered to;Skips must be covered to prevent dust egress during use;Skips must only be removed when chutes are not in use or closed;Exclusion zone around the base of the skips provided to ensure no persons enter a drop zone;



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		Project Risk Level [insert decision commentary]	Control and Mitigation Measures [this list is not exhaustive and used only as a guide]
Demolition – completion of	Types of structure, falls of persons, falls of materials, services, collapse of structure, health hazards, confined spaces, fire, vibration, explosion, noise, chemicals, dust, biological diseases, sharps and needles, trespassers or vagrants	High	<ul style="list-style-type: none">Only competent persons to be used (CCDO Card)Thorough survey and examination of structure to be carried out prior to demolition i.e. asbestos survey / structural surveys;Relevant statutory authorities to be notified as applicable;Detailed method statement to be produced highlighting demolition sequence;No works to commence until all utilities services are isolated;Building and demolition area secured to protect the public and operatives;Site secured to prevent ease of access and security to the site;Regular checks completed for trespassers, children, vagrants and potential thieves;Suitable and sufficient signage to be erected on secured fence line warning of dangers;Suitable collapse zone to be provided;Structure to be left in a stable position at end of day;Dust suppression to be used to prevent nuisance and inhalation by operatives and to local affected parties;Noise abatement used around high impact tasks and consideration for others in the local community;
Dust - from stripped soil areas, vehicle movements, stockpiled aggregates, demolition works etc.	Inhalation, visibility, potential for explosion / explosive atmosphere, nuisance	Medium	<ul style="list-style-type: none">Regular damping of haul roads where necessary;Wheel washing facilities to be considered;Road sweepers to be utilised if necessary;Local contact to be made with local community and fostering of good relationship to provide means of communications;Stockpiles sealed to reduce risk of up lifts from stockpiles;Speed limits adhered to and applied to sites;



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		Project Risk Level [insert decision commentary]	Control and Mitigation Measures [this list is not exhaustive and used only as a guide]
Electrical Commissioning and Temporary Electrics - installation and commissioning	Electric shock, fire, poor control of access to works, 'live' working, correct competence of individuals for works to be completed.	High	<ul style="list-style-type: none">Only qualified competent electricians to undertake works on electrical installations;Works to comply with Electricity at Work Regulations 1989 and latest edition of IEE wiring regulationsPermit to work to be issued and used for commissioning works;'Live' working avoided where possible – only to be completed where it cannot be completed 'dead'All temporary electrical installations and cabins to be checked yearly, or on a more frequent basis as required;
Excavators - use of	Untrained operators, poor maintenance, site conditions, reversing, loading / unloading, falls of materials, incorrect use of lifting gear, defective equipment, overhead cables, underground services, operatives adjacent to working area, failure to use 'dead mans' handle to prevent uncontrolled movements.	Medium	<ul style="list-style-type: none">Only Competent drivers to operate plant (CPCS)No plant to be allowed to work completing lifting operations until test certificate provided and inspected for thorough examination. Where no lifting to be completed, evidence of planned maintenance or on hire check sheets must be held;Regular maintenance to be carried out and daily recorded check to be made;No plant to be operated unless all round 360 visibility is available – all equipment provided must be fit for purpose and operational;If used as a lifting appliance lifting plan to be produced and the correct lifting point used for operations;No lifting to be completed beyond the safe working load of the excavator and within the lifting plan;Operators must be trained and familiar with the workings of the quick hitch attachment. All QH's must be fully automatic or fully manual. NO SEMI-AUTOMATIC QH's allowed within Squibb Group Ltd operations;All plant must be made secure when not in use. Keys to be removed from equipment;No working or slewing above operators;Exclusion zone provided around the equipment and banksman provided in congested areas or where RA dictates;
Fire Prevention – management and control of	Badly positioned heating appliances, discarded cigarettes / matches, arson, misuse / faulty LPG equipment, faulty electrical apparatus, welding operations, poor housekeeping and storage of materials, storage of flammable materials, management of hot works, ventilation.	Medium	<ul style="list-style-type: none">Squibb Group Ltd to produce site fire plan and risk assessment;Emergency escape route and muster point identified and known by all. Briefed in inductions and clearly signed;Site fire call points and firefighting equipment to be provided in convenient locations;Instigate Hot Works regime;Identify any flammable materials / containers and provide appropriate protection. Eliminate or substitute materials for non-flammable or retarded alternatives;Provide flammable stores and designate no smoking or hot works areas;Maximise mechanical cutting where possible;Obtain isolation certificates where necessary;Ensure good housekeeping standards and clear as you go work ethic;Waste to be removed on a daily basis;No smoking on site and in offices – designated controlled areas;



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		Project Risk Level [insert decision commentary]	Control and Mitigation Measures [this list is not exhaustive and used only as a guide]
Hand Arm Vibration – prevention of	Damage to blood circulation, identification of historic OH exposure / conditions, Hand Arm Vibration Syndrome (HAVS).	Low	<ul style="list-style-type: none">Assessment of the vibration risks to operatives required together with a record that operatives do not exceed the 'exposure limit value';OH assessments completed on vulnerable operatives and those persons that are exposed to vibration above the 'exposure action value' regularly;Information must be communicated to operatives on the exposure levels from equipment and visual indicators used;All tools used must take into account the latest technical advances and apply the hierarchy of control for vibration;Equipment must be well maintained and sharp tool bits used to reduce vibration levels;
LPG - use of	Fire, explosion, asphyxiation, cold burns, poor storage, theft or third-party interference, incorrect storage.	Medium	<ul style="list-style-type: none">Only a quantity of one day's advance supply should be stored on site in an approved store;All storage areas should be lockable and clearly signed. No smoking near storage areas;All storage areas must be away from natural hollows, cellars and drains;LPG cylinders to be stored separate to oxygen cylinders;Adequate ventilation is required in areas where LPG is being used to prevent gas build up / oxygen depletion;
Manual Handling – management and elimination	Excessive stress and strain, cuts and abrasions, repetition, dropping or falls of materials, musculoskeletal disorders, slips and trips.	Low	<ul style="list-style-type: none">Where ever possible materials to be moved mechanically and manual handling eliminated;Specific risk assessment for manual handling operations required for all operations;Assessment of whole operation required, from the task, to the load, the environment, the individual;All operatives should be trained in manual handling and kinetic handling techniques;Suitable routes provided for movement of materials to reduce likelihood of slip, trips and falls;
Mobile Towers - use of	Collapse, falls of persons or materials, overhead cables or electrical sources, site conditions, overloading defective materials, poor foundations / footing, unsuitable surfaces, incorrectly built, competence of erectors;	Medium	<ul style="list-style-type: none">Towers to be erected by competent persons with Prefabricated Aluminum Scaffolding Manufacturers Association (PASMA) card to the manufacturer's recommendations;Working areas to be assessed for suitability of use.Ground should be stable, firm and level;No operatives are to remain on scaffold during movement around working area. Wheels will be locked when equipment is in use;Base to height ratio and use of rakers to manufacturers recommendations;Visual and recorded assessment should be made of towers on a regular basis and after significant change, alteration or movement;Mobile tower must be suitable for the operations to be completed;
Overhead Cables - working near	Electric shock, burns, damage to plant and equipment, nuisance to local community.	High	<ul style="list-style-type: none">Local electric company to be consulted with before any works take place;Protection to be in place in accordance with GS6 Avoiding danger from overhead power lines;Temporary diversions created where possible;All operatives made aware of the services during inductions and works coordinated to reduce requirements to work within exclusion zones or near overhead lines;



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		Project Risk Level [insert decision commentary]	Control and Mitigation Measures [this list is not exhaustive and used only as a guide]
Personal Protective Equipment (PPE)- Provision and use of	Identify need for, equipment provides adequate level of protection and suitable, equipment fits properly, different equipment worn together are compatible, equipment causes additional hazards i.e., reduced sense of touch, PPE used rather than elimination of risk.	Low	<ul style="list-style-type: none">• All contractors to identify the specific PPE required in their risk assessments;• PPE should be compatible and personnel trained in its use;• Minimum PPE on site is helmet, safety boots, high visibility vest / jacket, safety glasses and gloves;• PPE identified as being required for an operation to be provided free of charge by employer;• All PPE should be of a suitable quality, undamaged or modified and should be worn as per manufacturers guidance at all times;• PPE must not be interfered with or altered;
Petrol / Fuel - use of	Fire, explosion, spillages, theft.	Medium	<ul style="list-style-type: none">• Fuel must be stored in appropriate containers in bunded areas;• Fuel to be handled in accordance with risk and COSHH assessment;• Spill nappies must be used under equipment being filled / re-fuelled;• Containers used for dispensing and carrying fuels must be appropriate, funnels provided for refilling and dispensing to reduce the risk of spillages;• Fire extinguisher and emergency spill kit to be available;• Squibb Group Ltd must be informed of any requirements or storage of products on-site;
Public Protection	Prevention of unauthorised access to site, hoarding and perimeter fence control and stability, protection of site excavations from public, securing scaffolding from trespassers, falls of materials beyond perimeter, movement of plant, vehicles and equipment.	Medium	<ul style="list-style-type: none">• Secure the site to prevent unauthorised access;• Security guards used where appropriate to control access to the site;• All hoarding and fencing must be suitable and sufficient, double clipped and secured against movement in extreme weather conditions;• Areas to be left safe as identified in the specific work assessment if members of public could be at risk;• All excavations, ladders and access points to be made secure, protected or fenced to avoid unauthorised trespass or access;• Excavations and holes must be secured and protected;• Clear signage to be provided to ensure all persons are warned of risks and hazards;• Site will be suitably fenced off to prevent unauthorised access and trespass;



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		Project Risk Level [insert decision commentary]	Control and Mitigation Measures [this list is not exhaustive and used only as a guide]
Reversing Vehicles – completion of	Poor visibility, uncontrolled or monitored movements, excavations, physical obstructions, separation of plant and pedestrians, untrained banksman, operators and personnel.	Medium	<ul style="list-style-type: none">Traffic management plan to eliminate reversing where possible. Turning circles, one way routes will be used where possible.Vehicles required to reverse must be under the control of a trained banksman;Plant must have all round visibility or cameras fitted or audible warnings that vehicle is reversing;Works requiring continuous reversing of vehicles i.e. tarmac will be separated from other operations where possible and managed by a trained and competent banksman;Suitable pedestrian routes will be provided that are separate from vehicle movements;
Site Access - control of	Traffic numbers and movements, visibility, reversing vehicles, TM plans, signage and guarding, urban areas, transfer of materials outside the site on to local road networks.	Medium	<ul style="list-style-type: none">Designate Site Access points;Signage to be displayed to make public aware of danger of construction sites and site requirements i.e. visitors to report to site office;Where possible access will allow vehicles to pull off road to site entrance to reduce disruption, prevent impact on localised traffic and ensure sight lines, where possible are not impacted;TM signage will be placed to warn road users of construction site entrance;Where possible, all works will be completed to allow good sight lines for those entering and leaving the site and have minimum impact on third parties;Inspections to be carried out regularly to ensure signage still erected and clean;
Tidiness - Site	Poor storage, rubbish left to accumulate, blocked or restricted access, trailing cables, protruding nails, slips, trips and falls, fire.	Low	<ul style="list-style-type: none">All Contractors must remove their debris / waste on a daily basis;Suitable waste receptacles will be provided and wastes will be segregated as required;Duty of Care requirements will be followed to ensure all wastes are processed and removed as required by Environmental Legislation and Regulations;Squibb Group Ltd will give 24 hours notice of housekeeping improvement and compliance, if no change, Squibb Group Ltd labour will be used to remove waste and contra-charged;
Unfamiliarity with the site and/or uncertainty about the job	Injuries or ill health if they are unfamiliar with the hazards on site	Medium	<ul style="list-style-type: none">Jobs are discussed in advance with the Site Supervisor and key issues, such as safe systems of work e.g. isolation procedures etc. who will supply necessary kit e.g. access equipment and any necessary PPE, agreed before work begins.Squibb Group personnel comply with sign-in and sign-out procedures.Squibb Group Contract Manager's do random checks/audits on site to ensure, among other matters, site personnel are working safely.Speak to any other contractors to make them aware of our plan of works and to check their awareness of health and safety issues. Also, to check that they cascade health and safety information to personnel who haven't been to the site before.Site inductions MUST be attended and tool box talks undertaken prior to works commencing. Site personnel MUST challenge anyone working in an unsafe way and inform the Site Manager/Squibb Group Contract Manager.



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		Project Risk Level [insert decision commentary]	Control and Mitigation Measures [this list is not exhaustive and used only as a guide]	
Working near Network Rail land	Damage to Network rail plant and equipment.	Low	<ul style="list-style-type: none">• Squibb Group to ensure all works are undertaken outside accepted NE limits• All works undertaken under Permit to work• Exclusion zone created to prevent access to boundary fence.• Ensure all works are undertaken outside acceptable distances approved by NR.	
Waste Management	Fly tipping, segregation and Duty of Care, fire, pollution, attraction of vermin, biological diseases	Low	<ul style="list-style-type: none">• Squibb Group Ltd and its contractors will ensure that when waste changes hands, a transfer note is completed;• Duty of Care requirements will be followed to ensure all wastes are processed and removed as required by Environmental Legislation and Regulations;• All waste transfers will be checked for 'Duty of Care' compliance;• General and hazardous wastes will be separated to ensure compliance with Waste legislation;• Site will be registered as a hazardous waste producer;• Exemptions will be applied for and implemented as required;	
Welding and Burning - use of	Fire, burns, fumes, explosion, electric shock, eye injuries, trailing hoses / cables, incorrect storage of gases – securing of.	Medium	<ul style="list-style-type: none">• Hot works permit to be issued.• Welding equipment to comply with manufacturers recommendations and be operated by competent persons;• Correct PPE to be supplied by operative's employer and used by operatives, as identified in RA's;• Task specific screening will be used to protect workers in the local area;• All gas bottles will be removed to the designated storage area as required at the end of works;• All gas bottles will be secured as required;• Suitable earthing points will be used during works;• Fire extinguishers will be available for use and fully charged to ensure they are suitable for the works;	
Work Equipment - use of	Untrained operators, poorly maintained, flying fragments or materials, no safety system of use or training, incorrect use or equipment for task, unguarded moving parts or guards removed, poor working areas and benches / workstations.	Low	<ul style="list-style-type: none">• Work equipment to be used in accordance with manufacturer's guidance and recommendations;• It must be fit for purpose and used by competent personnel;• Debris must not be allowed to accumulate in and around work equipment. All cleaning will be completed when equipment is isolated / turned off;• All equipment will be checked and inspected as required under PUWER;• Any equipment that is not fit for purpose will be segregated and removed from use;• All guards will be in place and will not be removed for any reason. Where the equipment does not fit or guards hinder operations, the equipment is not suitable for the task and new selection made;• A suitable working area, platform or bench should be provided for the works to be completed on / from;	



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		Project Risk Level [insert decision commentary]	Control and Mitigation Measures [this list is not exhaustive and used only as a guide]
Working at Height - completion of	Falls of persons or materials, rescue plans and emergency arrangements, correct equipment for the job or requirements;	Medium	<ul style="list-style-type: none">Work at height will be eliminated where possibleA method statement and risk assessment detailing suitable equipment, control measures to prevent falls of persons and objects will be provided;Weather conditions must be considered for all operations;Legislation, regulations and guidance for working at height must be followed and hierarchy of controls followed and justified where applicable;A plan for emergencies and rescue must be included in the SSoW;Equipment must be appropriately inspected, fit for purpose and operatives trained in its use and operation;Operatives must be trained in the use of Fall Arrest PPE, as applicable;
The novel coronavirus COVID-19	Getting or spreading coronavirus COVID-19 by not washing hands or not washing them adequately	Medium	<ul style="list-style-type: none">Provide water, soap and drying facilities at wash stationsProvide information on how to wash hands properly and display postersBased on the number of workers and the number of people who come into site decide:<ul style="list-style-type: none">How many wash stations are needed?Where wash stations need to be located. You may already have enough facilitiesProvide hand sanitiser for the occasions when people can't wash their handsYou should talk to managers at any sites where drivers are visiting to ensure they are provided with hand washing facilitiesPut in place monitoring and supervision to make sure people are following controlsPut signs up to remind people to wash their handsProvide information to your workers about when and where they need to wash their handsIdentify if and where additional hand washing facilities may be neededIf people can't wash hands, provide information about how and when to use hand sanitiserIdentify how you are going to replenish hand washing/sanitising facilitiessocial distancing, face masks are mandatory inside welfare and officesMake sure people are checking their skin for dryness and cracking and tell them to report to supervisor if there is a problem (Not sure if it is related to COVID)
Unidentified Oils	Exposure to potential carcinogens	Medium	<ul style="list-style-type: none">Stop work and have the oil sampled by a professional contractor if possible.Nitrile gloves and safety glasses should be worn when sampling unidentified oils.Avoid breathing in fumes from drums, IBCs or other similar containers.Use sampling equipment appropriate to task being carried out e.g. sampling syringe, vacuum pump, wide neck jar, sampling jar.Oils may contain hazardous compounds. Avoid contact with skin and eyes when sampling.On drums, open caps carefully. Do not force seized caps or sample taps. Only open sample taps sufficient to flush out tap and to take sufficient samples.



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Activities, operations, materials, products or services	Potential safety, health or environmental hazards / impacts	Anticipated personnel potentially at risk, control and mitigation measures	
		Project Risk Level [insert decision commentary]	Control and Mitigation Measures [this list is not exhaustive and used only as a guide]
			<ul style="list-style-type: none">Collect any drips or flushed oil in a suitable container to avoid contaminating surrounding ground. Dispose of accordingly as waste oil.Immediately report any spillages of oil to client. Use a suitable spill kit.Wash hands before eating, drinking smoking or using the toilet.
Unidentified Liquids (non-oils)	Exposure to potential hazardous compounds	Medium	<ul style="list-style-type: none">Stop work and have the liquid sampled by a professional contractor if possible.Nitrile gloves and safety glasses should be worn when sampling unidentified liquids.Avoid breathing in fumes from drums, IBCs or other similar containers.Use sampling equipment appropriate to task being carried out e.g. sampling syringe, vacuum pump, wide neck jar, sampling jar.Liquids may contain hazardous compounds. Avoid contact with skin and eyes when sampling.On drums, open caps carefully. Do not force seized caps or sample taps. Only open sample taps sufficient to flush out tap and to take sufficient samples.Collect any drips or flushed liquid in a suitable container to avoid contaminating surrounding ground. Dispose of accordingly as waste.Immediately report any spillages of liquid to client. Use a suitable spill kit.Wash hands before eating, drinking smoking or using the toilet.
Unidentified Solids or Potential Asbestos	Exposure to potential hazardous compounds	Medium	<ul style="list-style-type: none">Stop work and have the solid sampled and by a professional contractor if possible.Nitrile gloves and safety glasses should be worn when sampling unidentified solids.Avoid breathing in fumes from drums, IBCs or other similar containers.Use sampling equipment appropriate to task being carried out e.g. sampling syringe, vacuum pump, wide neck jar, small brush, spatula, sampling container.Solids may contain hazardous compounds. Avoid contact with skin and eyes when sampling. If solid is easily mobilised in air, wear a suitable P3 dust mask.On drums, open caps carefully. Do not force seized caps or sample taps. Only open sample taps sufficient to flush out tap and to take sufficient samples.Immediately report any spillages to client. Use a suitable spill kit.Wash hands before eating, drinking smoking or using the toilet.



Appendix -- B	Manual Handling Assessments
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MANUAL HANDLING ASSESSMENT CHECKLIST – PRINT AND COMPLETE FOR EACH TASK

Project Number:	SG7489
Location:	The Crown Trading Centre, 29 Clayton Road, Hayes, UB3 1DU
Date:	
Brief description of task:	
List control measures to be implemented:	
Are there any special requirements required for the individual(s) undertaking the task?	Yes / No
If yes, list additional control measures to be implemented:	
List the site-specific hazards posed by the environment where the task is to be carried out i.e. poor lighting, slippery or uneven surfaces, route to be taken or inclement weather conditions etc.	
List site specific control measures to be implemented:	
Operatives involved:	
Assessed By: [print name]	
Review date:	

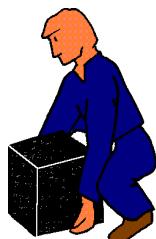
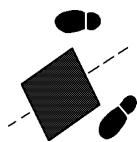


MANUAL HANDLING GUIDANCE



1) Stop and think. Plan the lift. Where is the load going to be placed? Use appropriate handling aids if possible. Do you need help with the load? Remove obstructions such as discarded wrapping materials. For a long lift - such as floor to shoulder height - consider resting the load mid-way on a table or bench in order to change grip.

2) Place the feet. Feet apart, giving a balanced and stable base for lifting (tight skirts and unsuitable footwear make this difficult). Leading leg as far forward as is comfortable.



3) Adopt a good posture. Bend the knees so that the hands when grasping the load are as nearly level with the waist as possible. But do not kneel or over flex the knees. Keep the back straight (tucking in the chin helps). Lean forward a little over the load if necessary, to get a good grip. Keep shoulders level and facing in the same direction as the hips.

4) Get a firm grip. Try to keep the arms within the boundary formed by the legs. The optimum position and nature of the grip depends on the circumstances and individual preference, but it must be secure. A hook grip is less fatiguing than keeping the fingers straight. If it is necessary to vary the grip as the lift proceeds, do this as smoothly as possible.



5) Don't jerk. Carry out the lifting movement smoothly, keeping control of the load.



6) Move the feet. Don't twist the trunk when turning to the side.

7) Keep close to the load. Keep the load close to the trunk for as long as possible. Keep the heaviest side of the load next to the trunk. If a close approach to the load is not possible try sliding it towards you before attempting to lift it.

8) Put down, and then adjust. If precise positioning of the load is necessary, put it down first, and then slide it into the desired position.





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Appendix -- C	COSHH Assessments				
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What is the substance? ✓	Who might be harmed and how? 	What is Squibb Group already doing? Supervisor, Operatives, Analyst and others may be exposed to a substance hazardous to health.	What further action is necessary? Asbestos trained Supervisor and Operatives issued with PPE/RPE. Medical surveillance. Material safety data sheet provided in site file.	Action by who? Site Supervisor & Operatives	Action by when? Site supervisors' start of works review date as per the above.
Smoke Canister i.e. Colt etc. ✓		Supervisor, Operatives, Analyst and others may be exposed to a substance hazardous to health.	All site personnel to comply with the materials data sheet, store and handle/use the material correctly while wearing all the necessary PPE / RPE when material is in use.	Site Supervisor & Operatives	Site supervisors' start of works review date as per the above.
Aerosol Adhesive i.e. Si-Tak etc. ✓		Supervisor, Operatives, Analyst and others may be exposed to a substance hazardous to health.	All site personnel to comply with the materials data sheet, store and handle/use the material correctly while wearing all the necessary PPE / RPE when material is in use.	Site Supervisor & Operatives	Site supervisors' start of works review date as per the above.
Aerosol Foam Filler i.e. Si-Foam etc. ✓		Supervisor, Operatives, Analyst and others may be exposed to a substance hazardous to health.	All site personnel to comply with the materials data sheet, store and handle/use the material correctly while wearing all the necessary PPE / RPE when material is in use.	Site Supervisor & Operatives	Site supervisors' start of works review date as per the above.
PVA i.e. Bostik etc. ✓		Supervisor, Operatives, Analyst and others may be exposed to a substance hazardous to health.	All site personnel to comply with the materials data sheet, store and handle/use the material correctly while wearing all the necessary PPE / RPE when material is in use.	Site Supervisor & Operatives	Site supervisors' start of works review date as per the above.



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What is the substance?	Who might be harmed and how?	What is Squibb Group already doing?	What further action is necessary?	Action by who?	Action by when?
Encapsulant Paint i.e. Idenden ET-150 etc. ✓	 Supervisor, Operatives, Analyst and others may be exposed to a substance hazardous to health.	Asbestos trained Supervisor and Operatives issued with PPE/RPE. Medical surveillance. Material safety data sheet provided in site file.	All site personnel to comply with the materials data sheet, store and handle/use the material correctly while wearing all the necessary PPE / RPE when material is in use.	Site Supervisor & Operatives	Site supervisors' start of works review date as per the above.
Fluorescent Light Tubes ✓	 Supervisor, Operatives, Analyst and others may be exposed to a substance hazardous to health.	Asbestos trained Supervisor and Operatives issued with PPE/RPE. Medical surveillance.	All site personnel to comply with the materials data sheet, store and handle the material correctly while wearing all the necessary PPE / RPE when material is in use. Handle with extreme care to prevent breakage.	Site Supervisor & Operatives	Site supervisors' start of works review date as per the above.
Aerosol Line Marker Paint i.e. Rocol ✓	 Supervisor, Operatives, Analyst and others may be exposed to a substance hazardous to health.	Asbestos trained Supervisor and Operatives issued with PPE/RPE. Medical surveillance. Material safety data sheet provided in site file.	All site personnel to comply with the materials data sheet, store and handle/use the material correctly while wearing all the necessary PPE / RPE when material is in use.	Site Supervisor & Operatives	Site supervisors' start of works review date as per the above.
Wetting Agent i.e. Astrip concentrate etc. ✓	Supervisor, Operatives, Analyst and others may be exposed to a substance hazardous to health.	Asbestos trained Supervisor and Operatives issued with PPE/RPE. Medical surveillance. Material safety data sheet provided in site file.	All site personnel to comply with the materials data sheet, store and handle/use the material correctly while wearing all the necessary PPE / RPE when material is in use.	Site Supervisor & Operatives	Site supervisors' start of works review date as per the above.



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What is the substance?	Who might be harmed and how?	What is Squibb Group already doing?	What further action is necessary?	Action by who?	Action by when?
Disinfectant i.e. Pine ✓	Supervisor, Operatives, Analyst and others may be exposed to a substance hazardous to health.	Asbestos trained Supervisor and Operatives issued with PPE/RPE. Medical surveillance. Material safety data sheet provided in site file.	All site personnel to comply with the materials data sheet, store and handle/use the material correctly while wearing all the necessary PPE / RPE when material is in use.	Site Supervisor & Operatives	Site supervisors' start of works review date as per the above.
Detergent i.e. Fairy ✓	Supervisor, Operatives, Analyst and others may be exposed to a substance hazardous to health.	Asbestos trained Supervisor and Operatives issued with PPE/RPE. Medical surveillance. Material safety data sheet provided in site file.	All site personnel to comply with the materials data sheet, store and handle/use the material correctly while wearing all the necessary PPE / RPE when material is in use.	Site Supervisor & Operatives	Site supervisors' start of works review date as per the above.
Bleach i.e. Domestos ✓	Supervisor, Operatives, Analyst and others may be exposed to a substance hazardous to health.	Asbestos trained Supervisor and Operatives issued with PPE/RPE. Medical surveillance. Material safety data sheet provided in site file.	All site personnel to comply with the materials data sheet, store and handle/use the material correctly while wearing all the necessary PPE / RPE when material is in use.	Site Supervisor & Operatives	Site supervisors' start of works review date as per the above.



APPENDIX D – NEW CANAL WALL METHOD STATEMENT

Long Reach Telescopic Leader Rig Piling

The ABI TM12/15 LR. The long reach piling rig was designed and developed in partnership with [ABI Equipment Ltd](#) and is a shining example of the innovation that Sheet Piling (UK) Ltd has brought to its sector.

The ABI TM12/15 LR was specifically designed by Sheet Piling (UK) Ltd, as the UK's leading sheet piling contractor, to create a new dynamic within the construction industry, on those sheet piling projects associated with the widening of existing earthworks. Smart motorways and HS2 works are good examples of projects on which it can make a hugely positive impact.

The state-of-the-art, vibratory sheet pile installation rig is unique, due to its 8.1m maximum horizontal reach (when measured from the centre of the slew ring to the pile line). This is a full 3m further than any other comparable rig available in the world.

For infrastructure-widening projects, the rig has a significant advantage in reducing, or even eliminating, earthworks enabling works and piling platform construction. Such activities are notoriously problematic within such projects, in terms of logistics, programme and cost. The rig brings benefits to each of these areas and can deliver tangible savings, as well as keeping projects to, or ahead of, time.

With the new ABI TM12/15 LR, the required project activities can be reduced or eliminated by virtue of the 8m horizontal reach of the machine. The machine, under the correct circumstances, can stand on the existing carriageway and drive piles on the required pile line, with all the advantages that being able to pile drive from existing infrastructure brings.

This benefit dramatically speeds up an infrastructure widening project and reduces the overall construction costs.





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The ABI TM12/15 LR still has the following attributes:

- a maximum driven and extracted pile length of 16 metres
- a maximum vertical reach of 3.9 metres
- Euro Stage IV-emission standard engine
- crowd force of 100kN
- extraction force of 175kN
- powerful MRZV 20VV vibratory hammer
- reduced track bearing pressures due to hydraulically extendable undercarriage
- enhanced operator visibility

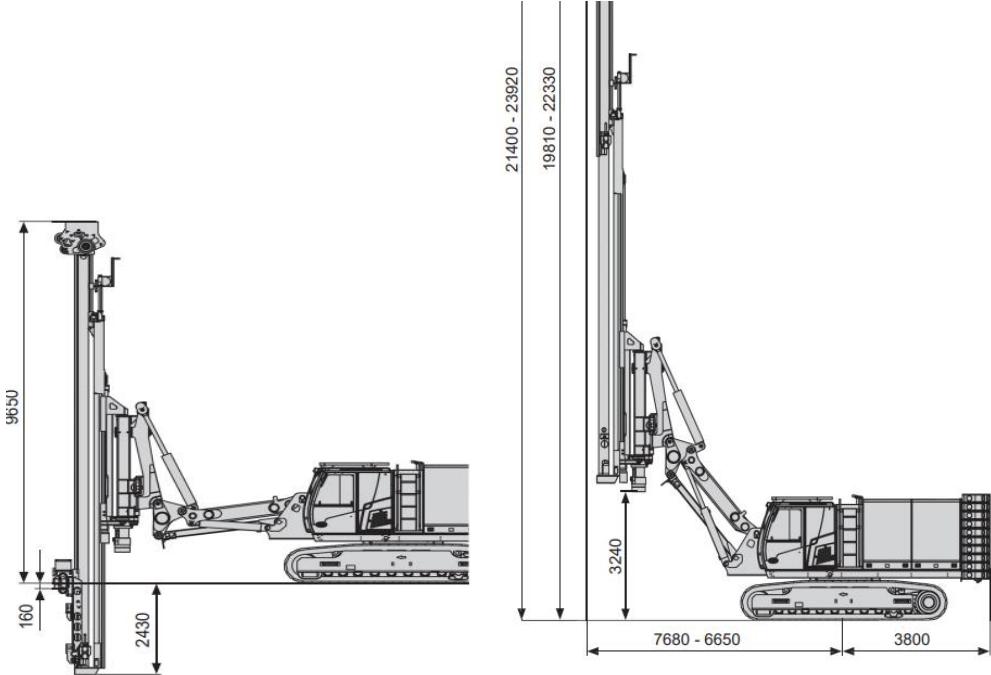


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- Maximum driven and extracted pile length is 16.0m.
- Maximum vertical reach of 3.9m.
- Euro Stage IV emission standard engine.
- Crowd force of 100kN.
- Extraction force of 175kN.
- Powerful MRZV 20VV vibratory hammer
- Reduced track bearing pressures due to hydraulically extendable hydraulic undercarriage.
- Enhanced operator visibility.



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RAMS Signing register

The content of this RAMS has been discussed at this induction meeting, and I fully understand the task involved and my responsibilities on site. I have read or have had the document read to me and will always arry out the tasks detailed. If I see any unsafe methods or can see a safer way in which to do my job, I will discuss it with the site supervisor / manager