

OUTLINE METHOD STATEMENT DEMOLITION & ASSOCIATED WORKS

Former Northumberland Council Depot
 Burn Lane
 Hexham, Northumberland

REF: WMT/CD/4141

Contract Ref: Q18081

REVISION STATUS

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| Revision: | Revision: 1 Date: 28 th October 2021 |
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SIGNATURES OF AUTHORISATION

| Title | Name | Signature |
|----------|---------------|-----------|
| Author | Chris Dobson | |
| Verifier | Martin Barker | |

Contents

1. Summary of Works
2. Construction Phase Plan
3. Methodology



REVISION HISTORY

| Revision | Date of Revision | Reasons for Revision |
|----------|------------------|--|
| 0 to 1 | 28/10/21 | Following receipt of Client pre-start comments |
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1. SUMMARY OF WORKS

Thompsons have been appointed as Principal Contractor to undertake demolition and associated works at the former council depot located on Burn Road in Hexham. The works comprise the demolition of a steel framed, sheet clad shed structure.

The buildings will be demolished to slab level using mechanical means (demolition spec 360° excavator machine). On completion of mechanical demolition, the stumps of the former steel columns will be cut flush with slab level, using oxy-propane hot cutting equipment.

The building is located within the confines of an industrial estate and adjacent to occupied commercial premises. All works will be pre-planned and undertaken with due care and control, to ensure the safety of Thompsons personnel and all local stakeholders and to minimise disruption. Strict traffic management controls will be in place, as well as strict plant to person interface controls. The boundary of the site is currently secured with a palisade fence line and the site will be controlled as a CDM site throughout the works. All works will be undertaken within the confines of the site. All works will adhere to pre-planned sequencing. Mitigation will be in place to reduce dust, noise and vibration to a minimum.

All works on site will be planned, executed and managed in accordance with Thompsons Covid-19 Risk Assessment and procedure, developed in line with Construction Leadership Council's - Site Operating Procedures.



2. PRE-AMBLE

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| Site Address: | Former Council Depot Burn Lane Hexham NE46 3RU | | |
| Client: | Red Engineering Tynedale House Burn Lane Hexham NE46 3RU | | |
| Principal Contractor: | Thompsons of Prudhoe Ltd. Princess Way Low Prudhoe Northumberland NE42 6PL | | |
| Project Management: | N. Shilling M. Barker C. Dobson M. Blanden | Managing Director Contracts Manager Health & Safety Manager Site Supervisor | |
| Person responsible for changes to the method | Chris Dobson is the appointed persons for authorising changes to the Method Statement, under the instruction of the Contracts Management Team and following advice from the appropriate persons where required by legislation and Company Procedure. Minor amendments to the method of works ("Red Penning") will be conducted by Thompsons Asbestos Supervisor following approval by the Contracts Management Team (in line with Company Procedure). Any major changes to the Method of Works will facilitate the revision of the Method Statement (to be conducted by the Company Health & Safety Manager / Contracts Management Team). | | |
| Details of local A&E Hospital | Northumbria Specialist Emergency Care Hospital <i>Emergencies</i> 999 Northumbria Way <i>Non emergencies</i> 0344 811 8111 Cramlington Northumberland NE23 6NZ | | |

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| Plant & Equipment: | <ul style="list-style-type: none"> • Oxy/propane hot cutting equipment • Demolition specification 360° excavator machine (equipped with choice of rotating grab and shear attachment) • Fire point • 8 Wheel tipper bodied wagons or Skips • Plentiful soap and water hand washing stations & disinfectant sprays |
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| Personal Protective Equipment | <p>Mandatory during demolition and associated tasks</p> <ul style="list-style-type: none"> • Hard hat (BS EN397 – Thompsons supplied only) • Safety boots (incl. reinforced toe cap and mid-sole) • Hi-vis clothing (Class 2 minimum i.e. waistcoat) • Gloves – General use (minimum of BS EN888:1994) • Light eye protection (Safety Specs – BS EN166) <p>Use of oxy-propane hot cutting equipment</p> <ul style="list-style-type: none"> • Hearing protection • Or-nasal respirator (with ABEK carbon filter and P3 filter) • Visor • FR overalls (Hi-vis Class 3) • Foundry boots • Hot working gloves <p><i>Note: Specific risk assessments may require the use of additional PPE</i></p> |
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| Services | <p>Prior to commencement of works, the services providers will be contacted to determine the status and location of supplies to the shed marked for demolition and within the confines of the site. Where live services are present then they will be disconnected prior to commencement of works. No invasive works will be permitted until receipt of proof of service disconnection. Copies of the service isolations, will be held on site.</p> <p>All works will be pre-planned with due regard to live services external to the CDM site. The method and sequence of demolition, the location of demolition equipment, storage, stockpile and lay-down areas has been pre-planned to ensure that live services external to the work area are not disturbed.</p> <p>Silent run generators will be established and maintained for the powering of equipment and task lighting.</p> |
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Security Fencing and Protection

The shed marked for demolition is located within the confines of a fenced compound (palisade). The compound is private land, with no access to the general public. Throughout works, the site will be controlled as a CDM site. All demolition and associated works will be contained within the site boundary.

The east elevation of the building is located within close proximity to the neighbouring site. To ensure the safety of third parties using this site, permission has been sought to erect a Heras fence line through the site, parallel with the shed.

Warning and information signs will be displayed in sufficient numbers to ensure that all persons approaching the site are aware of the operations being carried out.

During mechanical demolition works, a demolition exclusion zone will be put into place within the confines of the site (and the closed portion of the adjacent site), in accordance with BS6187:2011. Access to this exclusion zone during active demolitions will be permitted to essential persons only. Demolition plant to person interface will be strictly controlled and will be addressed in detailed method statements and risk assessments.

A register will be kept of all persons on site. Non-essential persons will not be permitted on site.

Plant to person interface, as below, will be maintained throughout plant delivery and positioning. Prior to demolition this exclusion zone will be extended to 2 x height of the building.

360 Tracked Excavator



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| | <p>Plant Interface Zones for 360o Machines, Loading Shovels and Telehandlers etc</p> <p>Yellow Zone All personnel involved with the plant operation must remain within this zone to maintain visual contact with the plant operator.</p> <p>Amber Zone Entry prohibited until positive visual contact is made with the plant operator, the slew arm/hydraulics grounded and the machine is immobilised using the safety lever.</p> <p>Red Zone Entry prohibited unless the machine is completely isolated with the slew arm/attachment/bucket grounded, the machine immobilised using the safety lever.</p> <p>Hatched Zones Denotes typical sight lines of the plant operator.</p> |
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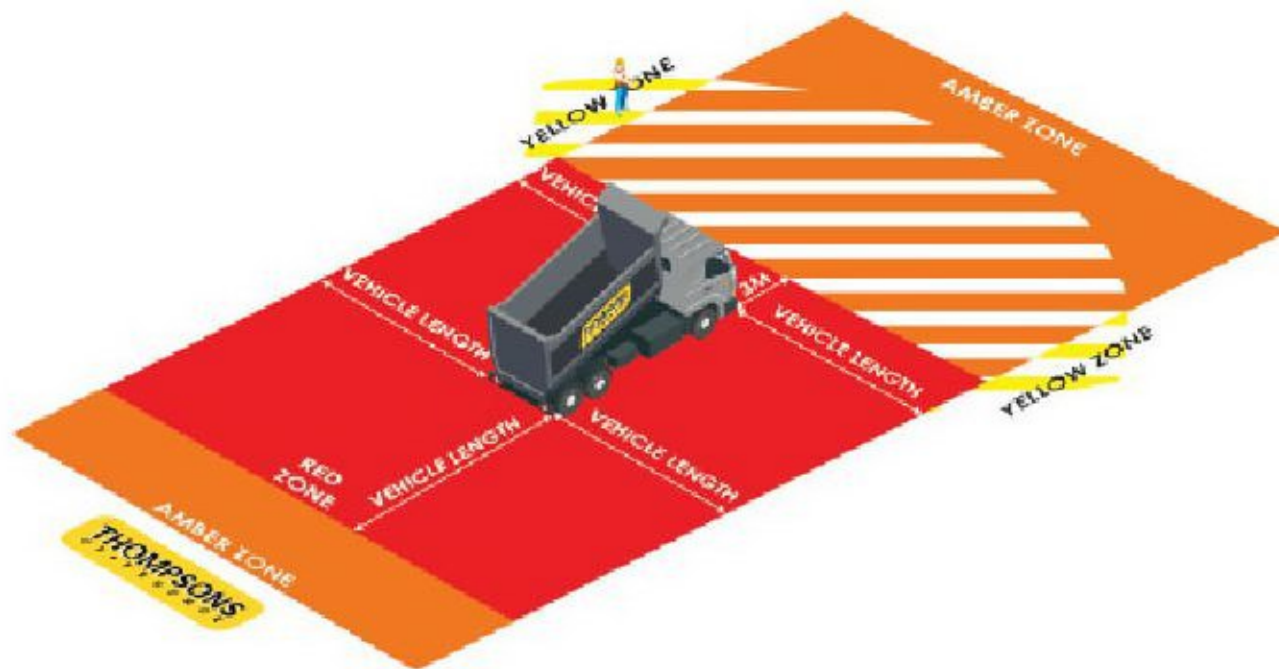
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| Manual handling | Operatives are manual handling trained. The property will be demolished by mechanical means. Column stumps will be trimmed by hand. Oxy and propane bottles will be moved by bottle barrow. |
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| Traffic Management | <p>The building is located within an industrial area and in proximity to commercial premises. Access to site will be gained off the public highway (Burn Road) and through the existing entrance doors to the compound. Approach to site will adhere to the associated signage and local traffic management route and restrictions. Thompsons drivers will forward due care to the public and third parties on approach to and access to the CDM site.</p> <p>Parking on local access roads will not be permitted. All site vehicles will park within the confines of the CDM site. The highway will be kept free from obstruction and debris and will be subject to regular inspection.</p> <p>Wagons will enter and exit site in a forward gear, turning within the confines of the site, to leave site in a forward gear.</p> |
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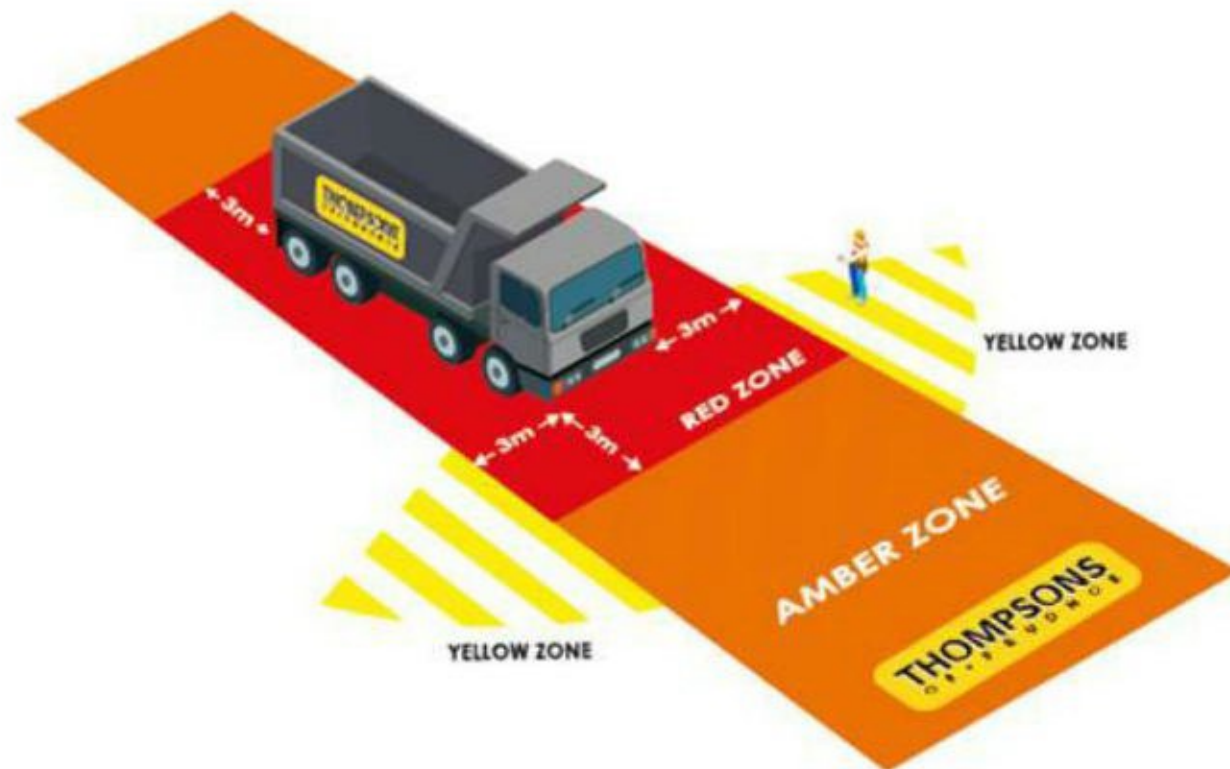
KNOWING THE VULNERABLE AREAS AROUND PLANT AND VEHICLES.

It is of high importance that those working around and operating items of plant are aware of their blind spots and that they understand where people such as banksmen or pedestrians may not be seen along with other road users.

Wagon while Tipping



Vehicles, Vans & Lorries



Banksman/Observers

Positioning your vehicle to discharge may require reversing with supervision from a site reversing observer. Ensure whoever is supervising exchanges and agrees what signals will be used before you proceed. Drivers must recognise they are always responsible for all activity or actions they take when controlling their vehicle, whether the reversing observer is supporting or not.

When a Banksman is provided, do not reverse until told.

- ✓ **DO** - Remember that it is always the driver's responsibility to make sure that the delivery can be made safely.
- ✓ **DO** - Proceed to the signed designated 'Holding Area' and await instruction from Banksman.
- ✓ **DO** - Identify the Banksman.
- ✓ **DO** - Always keep the Banksman in view.
- ✓ **DO** - STOP if you lose sight of the Banksman.
- ✓ **DO** - Ensure clear two way communication is maintained at all times.



IF IN DOUBT, STOP!

- ✗ **DONT** - Reverse unless supervised by a Banksman.
- ✗ **DONT** - Take any orders from any other person other than the dedicated Banksman.

In the event of a designated Banksman NOT being present, drivers should minimize, where possible, the need for reverse manoeuvres and take the necessary precautions to minimise risk, including full use of on board camera systems and mirrors.

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| <p>Dust, mud & debris control</p> | <p>Thompsons will minimize dust emissions during all stages of the project. The building is a steel framed structure with metal profile and roof cladding. Dust emissions have been assessed as low.</p> <p>During demolitions, a water supply will be established from an approved and metered source. Thompsons will use this water to supply bowsers connected to water misting systems. The water mist will be used to liberally dampen the demolition workforce and the arisings produced throughout the demolition works. Care will be taken not to flood working areas and water use and run-off will be strictly managed and controlled. Arisings will be promptly loaded into skips or onto wagons, for removal from site.</p> <p>Thompsons will also ensure that the skips / wagons leaving site are first sheeted / covered to prevent the arising of dust during transportation. All waste will be transferred to authorised, licensed waste disposal sites.</p> |
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| | <p>The highway will be kept free from obstruction and debris and will be subject to regular inspection. Wagons will be primarily loaded on hardstandings, to avoid spreading dust and debris onto the public highway. A wheel wash system will be in place, comprising a water misting system (operated by a site operative). A road brush will be placed on standby.</p> <p>The Site Supervisor will maintain a watching brief of the effectiveness of the controls measures and air quality during the course of the works. Works will cease as required to enable further dust mitigation.</p> <p>In accordance with Thompsons integrated business management system, any complaints (noise, dust, vibration or other) will be recorded by the Site Supervisor and reported without delay to the Management Team. The complaint will be recorded on the Compliance Tracker, alongside date of entry, person logging the complaint, a description, mitigation action taken, target completion date, actual completion date and status. The Client team will be informed without delay.</p> |
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| Noise | <p>Thompsons will employ the best practicable means to prevent noise nuisance or disturbance to local residents resulting from site activities, including deliveries. Thompsons will follow the best practice outlined in the current edition of BS 5228 "Noise and Vibration Control on Construction and Open Sites" during the planning and implementation of site activities and operations. The recommendations within BS 5228 Parts 1 to 4 shall be employed at all times to minimise the emission of noise from the site.</p> <p>Site working hours will be as per tender specification. No works outside the permitted hours will be undertaken without the permission of the clients.</p> <p>Temporary services and the welfare area will be powered by screened, silent run generators. Wagon and plant engines will be turned-off when machines are not in use. All plant and equipment will be subject to daily inspection and robust maintenance to reduce noise emissions.</p> <p>Thompson's contracts are conducted with regard to our Noise at Work Policy and procedures. Methods will be sought which will eliminate the requirement to conduct such works where possible. If this is not possible then their use will be minimized and controlled.</p> <p>An exclusion zone will be in force around each workface, to prohibit access to all but essential persons. This will limit personal noise exposure.</p> |
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| | <p>The use of oxy-propane hot cutting equipment will generate local noise levels in excess of 80dBA and will be highlighted using warning signs. These works will be conducted within an exclusion zone, with only essential persons present. Hearing protection will be worn by operatives.</p> |
| <p>Vibration (Nuisance and whole-body vibration)</p> | <p>Thompsons will strictly control nuisance vibration via the selection of our demolition technique. High impact works will be strictly minimised. Thompsons will adhere to all approved working hours. Thompsons will adhere to the requirements of BS 5228 Part 1:1997 Code of Practice for Noise and Vibration Control on Construction and Open Sites, the Control of Pollution Act 1974, and the Environmental Protection Act 1990.</p> <p>Temporary services and the welfare area will be powered by screened, silent run generators to reduce nuisance vibration. Wagon and plant engines will be turned-off when machines are not in use. All plant and equipment will be subject to daily inspection and robust maintenance to reduce nuisance vibration.</p> <p>Whole body vibration will be strictly controlled through the provision of air seats and dampening mechanisms in the demolition plant. Annual health surveillance is in place to monitor the workforce. Plant and equipment will be maintained to a high standard throughout works in accordance with our integrated management system procedures, accredited to ISO 9001:2015.</p> |
| <p>Storage of Plant & Materials and Loading & Unloading</p> | <p>The storage of plant and materials and loading / unloading operations will not adversely affect the adjacent commercial properties etc or local stakeholders.</p> <p>Plant and materials used during the works will be stored within the confines of the site compound. A dedicated stores container will be used to store small items, such as hand tools, PPE and equipment. Audit and inspection will ensure that plant and materials are stored in a safe and tidy manner.</p> <p>Wagons will be loaded (with arisings) or unloaded (with work materials) within the confines of the CDM site boundary. Vehicles will enter site via the entrance gate and will proceed to the dedicated loading / unloading area. Arisings produced by the works will be promptly loaded into skips or wagons. Once loaded / unloaded the wagons will exit site under banksman control.</p> |
| <p>Environmental Precautions</p> | <p>At all times site operations will be undertaken with the protection of local stakeholders and the environment in mind. Works will be undertaken in a controlled manner to ensure the protection of and to minimise disruption to local stakeholders and all third parties. Thompsons will carry out our works to strictly minimise noise, vibration and airborne dust as much as possible.</p> |

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| | <p>All operatives will be advised (via Induction, RAMS Briefing, Daily Safety Briefing and POWRA) of the aspects of the site that require attention or protection.</p> <p>Thompsons will identify any hazardous materials and deal with the disposal of such materials in accordance with our statutory requirements.</p> <p>Thompsons will ensure that our works do not pollute the environment including nuisance noise, windblown dust, spillages etc and will prevent polluting materials from leaving the site in accordance with the contract specification.</p> <p>Thompsons will establish a designated re-fueling point on site. Spill kits will be present on site to deal with any incident. Operatives are Environmental Awareness trained and this includes emergency drills for clean-up / control of spillage. In the event of leakage / spillage operatives will follow the emergency clean-up / control procedure.</p> |
| Daily Safety Briefing | <p>Prior to commencement of works each day a Daily Safety Briefing will be carried out by the Site Manager. At the specific workface, the team will discuss the previous day's work (and any learning outcomes). The team will then discuss the activities scheduled to be conducted that day and the associated hazards and control measures. The Daily Safety Briefing is formerly recorded and each operative will sign to note their acceptance. The DSB is retained in the daily works pack.</p> |
| Point of Work Risk Assessment | <p>A Point of Work Risk Assessment (POWRA) will be completed by the team for each task. The POWRA will be completed at the workface. The POWRA helps to ensure that any changing circumstances are noted and recorded and that all persons are aware of the scope of works, hazards and control measures for each task. The POWRA is documented and is retained in the daily works pack.</p> |
| Covid-19 Mitigation | <p>All work on site will be managed in accordance with in accordance with Thompsons Covid-19 Risk Assessment and procedure, developed in line with Construction Leadership Council's - Site Operating Procedures.</p> <p>SITE SUPERVISOR HOLD POINT – SPECIFIC TO COVID-19</p> <ul style="list-style-type: none"> • Adhere to guidance posted on employee portal (Company and Government guidance), emails, MEMOs and toolbox talks etc. • Monitor works and operatives and ensure that the company requirements and government guidance are followed • Ensure that persons showing symptoms do not come to site. If persons show symptoms whilst at work then they are to immediately return |

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| | <p>home to commence self-isolation, adhering to government guidance. Inform the HR Department without delay.</p> <ul style="list-style-type: none"> • Remind employees to wash their hands for 20 seconds more frequently and catch coughs and sneezes in tissues • Work with and instruct the team to frequently clean and disinfect objects and surfaces that are touched regularly, using your standard cleaning products • Ensure Public Health England guidance on social distancing must be followed at all times where possible and in accordance with this method statement • Rota use of welfare to maintain a standoff of 2m • Ensure that persons travel to site individually by car or van • Ensure non-essential persons are not permitted entry to site • Ensure social distancing during work tasks • Undertake pre-work briefings etc in open-air • Drivers should remain in their vehicles if the load will allow it and must wash or clean their hands before unloading goods and materials. |
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| Known Hazards: | <ul style="list-style-type: none"> • Asbestos • Manual handling • Slips, trips and falls • Erection of fencing • Third parties • Services • Third party interface • Plant to person interface • Vehicle to person interface • Hot works • Covid-19 |
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3. METHODOLOGY

Welfare arrangements

- Thompsons will provide a self-contained modular integrated welfare unit, comprising a combined mess area, office, WC and drying room. The welfare facilities will be contained within a fenced compound within the confines of the site. The welfare will be partitioned from vehicle access, demolition working areas, stockpile areas and parking etc using Heras fencing and crowd barriers, with pedestrian access hoops. All welfare facilities will be maintained throughout the project.
- The welfare will be powered by silent-run generators. Waste tank and water tanks are integrated and will be regularly serviced by a service provider.

Asbestos Containing Materials

- Prior to commencement of works a UKAS appointed surveyor will be appointed to undertake a Demolition Asbestos Survey. Where present, asbestos will be removed prior to commencement of demolition works. Asbestos containing materials will be removed by Thompsons Asbestos Services in accordance with a separate Plan of Work and associated risk assessment.

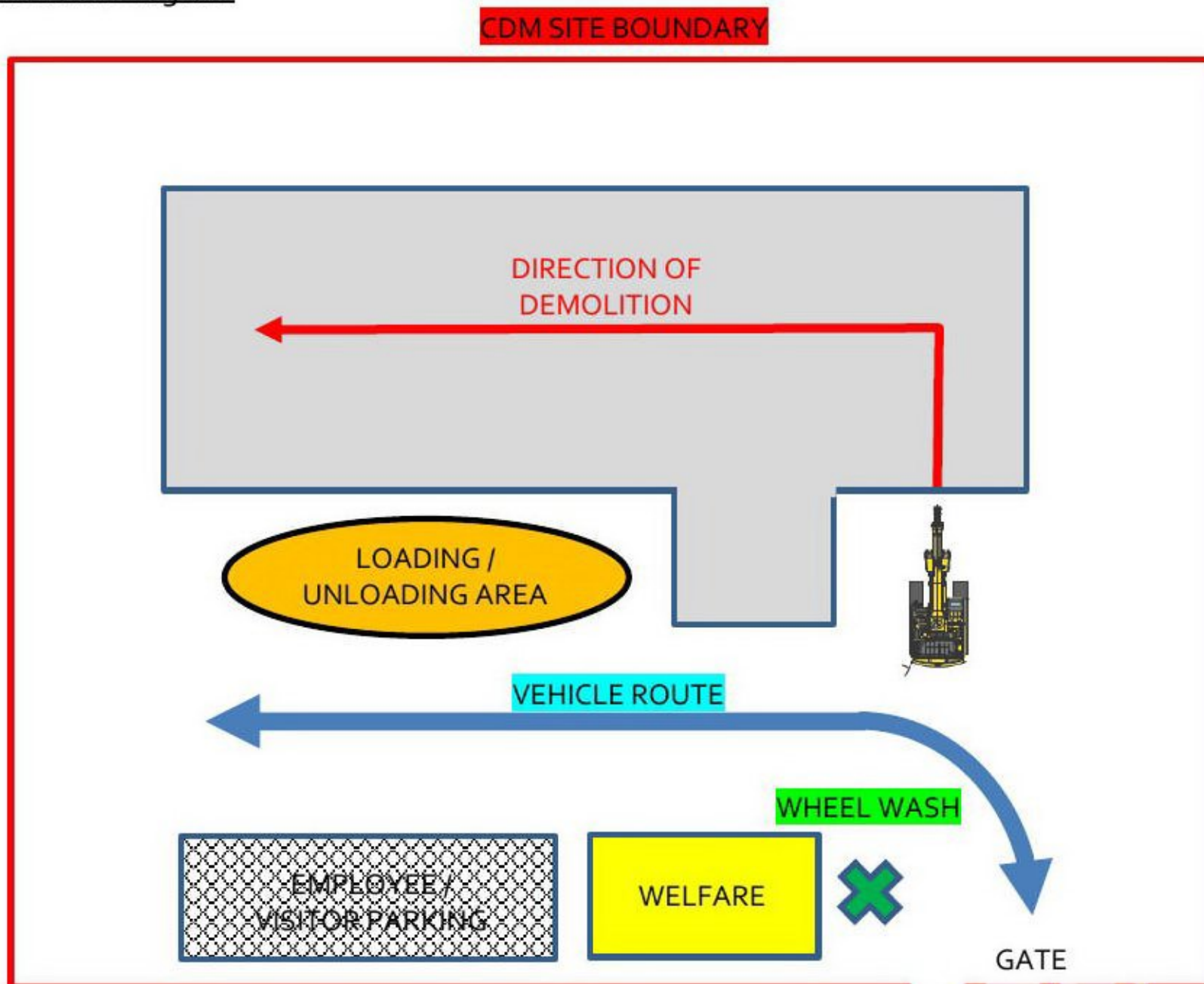
Demolition of former Northumberland Council Shed

- The shed is constructed from a steel frame with metal profile and roof cladding. The building will be demolished via mechanical means, using a zote demolition spec 360° excavator machine, equipped with a combination of rotating grab and shear attachment.
- During the demolition an exclusion zone will be in force around the building, in accordance with BS6187 Code of Practice for Demolition Operations. Fencing will be erected to separate the exclusion zone from the remainder of the site. Access to the exclusion zone will be permitted to the plant operator only. The Site Supervisor and his banksmen will direct works from external to the exclusion zone.
- The building will be progressively demolished working one bay at a time, progressing north to south.
- The 360° excavator machine will be positioned to face the south gable-end of the shed, maintaining a 2:1 standoff.
- The plant operator will commence works to remove the sheeting from the profile of the north gable-end of the building. The rotating grab attachment will be used to progressively remove the cladding, placing each section in a defined laydown area at ground level. Works will progress as far as the reach of the demolition attachment permits.
- Works will progress to remove the accessible cladding from the roof of the shed.
- The shear attachment will be equipped to demolish / dismantle the exposed steel frame of the shed. Commencing at roof height and working top to bottom through the superstructure of the building, the excavator will be used to progressively reduce the exposed steel frame, shearing the steel beams and columns into sections and removing to slab level. Columns will be sheared-free above slab level.
- Demolitions will progress working from the north gable-end and progressively through the shed, working bay-by-bay along its length to reach the south gable-end. As the demolition

works progress the east and west elevation walls will be progressively de-sheeted and reduced, in line with the demolition sequence.

- As the demolitions progress along the length of the building, the exposed internal partition walls will be mechanically reduced, working top-down.
- Works will progress through the building, following this sequence and will complete by carefully folding the south gable-end of the building onto the slab within the footprint of the building.
- All arisings will be processed, sorted and segregated and then loaded onto 8 wheel tipper bodied wagons or into skips to enable removal from site.

Demolition Diagram



Completion of works

- On completion of the mechanical demolition of the building the column stumps will be trimmed flush with slab level using oxy-propane hot cutting equipment, to provide a safe and tidy finish.
- On completion of works the site will be inspected by Thompsons Contracts Management Team.
- On completion of acceptable post-works inspection all resources will be removed from site and the site will be left in a safe and tidy condition.



METHOD STATEMENT / RISK ASSESSMENT REGISTER
DEMOLITION & ASSOCIATED WORKS
FORMER NORTHUMBERLAND COUNCIL DEPOT
BURN LANE
HEXHAM, NORTHUMBERLAND

I sign to certify that the method statement / risk assessment has been explained to me and that I understand and will comply with the requirements of the RAMS.

| DATE | NAME | SIGNATURE |
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| Question & Answer Session Conducted by: | |
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| <i>Comments:</i> | |