Northbank
Demolition Company
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Demolition Method Statement

Client: Russells Construction

Site: Ducie Bridge Pub

152 Corporation St
Manchester
M4 4DU

Project Ref: NB-RC 2017- 1009

Revision	Prepared By:	Date Prepared	Signed
0	Tim Richards	12th July 2017	*Tim Richards*

I confirm that I have read, understood and agreed the contents of this Method Statement

Revision	Signed Contracts manager	Date	Signed Site Manager	Date

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RISK ASSESSMENT / METHOD STATEMENT APPROVAL

PROJECT/ESTABLISHMENT:

Section: **N-A**

Work Element: **Soft Strip & Demolition**

Reference: **NB-RC 2017-1009** **Date:** **10th September 2017**

Originator: **Tim Richards**

Company: **North Bank Demolition**

Revision	Date:	Reviewed by:	Comments:	Date of Return:	Returned To:

METHOD STATEMENT APPROVED FOR USE:

I am reasonably satisfied, to the best of my knowledge, that the proposals in the above method statement are adequate.

Signed: **On Behalf of:**

Name: **Date:**

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1.0 INTRODUCTION

This method statement details a safe system of work for the soft strip & demolition of the former Ducie Bridge Public House, 152 Corporation St, Manchester, M4 4DU

2.0 SCOPE OF THE WORKS

Northbank Demolition will supply plant, labour and materials to undertake a general soft strip and removal of roof covering of the former Public House and the adjacent commercial property.

The structural demolition shall commence once the soft stripping and roof removal has been undertaken the demolition will be undertaken by mechanical means inclusive of the removal of slabs and foundations leaving in-situ walls and foundation the support the existing pedestrian walkways, back filling the basements in 300mm layers with 6f2 graded aggregates

All material to be removed from site to a licensed recycling facility for further processing

3.0 SEQUENCE & METHOD

Sequence of activities

1. Issue of Service Disconnections (Russells)
2. Erect and maintain Scaffolding and site hoardings (NB)
3. Establish welfare(RC-NB)
4. Soft Strip (NB)
5. Removal of roof covering (NB)
6. Delivery of Skips (NB)
7. Delivery of MEWPS (NB)
8. Delivery of Excavators (NB)
9. Commence Structural Demolition (NB)
10. Removal of slabs and Foundations(NB)
11. Back filling of basements (NB)
12. Removal of all materials arising from the Demolition (NB)
13. Demobilisation (NB)

Pre-task

Upon arrival to site all operatives are to sign in/out of the site register and are to attend site induction including familiarisation with emergency procedures and results of the asbestos survey.

All operatives are to read / understand then sign risk assessments / method statements and liaise with the site manager prior to commencing the proposed deconstruction.

All Northbank Demolition personnel will be given a detailed briefing on the sequence and methodology of the deconstruction of the works and a briefing record kept as per Appendix B.

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The following PPE shall be worn at all times:

- High visibility vest / jacket
- Hard Hat
- Gloves
- Work boots with midsole & toe protection
- Safety Glasses and hearing protection as required
- RPE – Ori nasal half mask with P3 filters as required - all operatives face fit tested

Additional task specific PPE will be issued as identified by Risk Assessment

Northbank Demolition to satisfy the conditions of the Section 81 prior to de-construction operations being undertaken

In the event of a fire or incident the muster point is the site entrance gate or a suitably safe location as identified during on site daily briefings carried out by the demolition site supervisor,

Traffic Management

All construction vehicles are to adhere to the Demolition Traffic Management Plan contactors vehicles are to park in the designated parking bays,

All vehicle movements are to be under the supervision of a Banksman for the duration of the demolition works a one-way traffic management system will be implemented.

No vehicles will be allowed on site without prior notification to Northbank Demolition Site Manager – Supervisor.

Delivery of Plant

Northbank Demolition equipment will be delivered to site via road haulage wagons and will either be self-off loading, hi-hab assisted or manually off loaded.

All deliveries will access site via the site entrance located on Munster Street demolition plant which will be delivered on low loaders will be via the public highway. The machines will be un-loaded within the entrance of the site compound not on the public highway.

During entry to and exit from the site banks men wearing high visibility clothing will be positioned to control traffic movements in a safe manner.

The trained competent cscs/cpcs low loader driver shall lower the trailer bed by operating hydraulic controls located to the near side of the trailer once the trailer bed as been lowered to road level the low loader driver shall then proceed to release the chains from the anchorage points prior to unloading the machine the machine operator shall then access the machine using the footsteps and hand rails provided on the machine to enter the machine cab.

The trained competent cscs/cpcs low loader operator / machine driver shall always be maintaining three points of contact whilst entering the machine.

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Existing Services & Isolation

We will utilise the existing water supply on site for dust suppression and welfare unit supply.

All existing service gas, electricity, IT to be terminated / isolated prior to any works commencing works on site this will be undertaken by Russells Construction, disconnection / isolation certification to be issued North bank demolition will adhere to Russells Construction isolation procedures

Scaffolding Protection

Scaffolding with mono-flex sheeting will be erected on three elevations and be progressively dismantled during the de-construction works

Site Location Plan



Demolition Exclusion Zones

Northbank Demolition will establish demolition exclusion zones around the de-construction areas using Heras fencing and adequate warning signage displayed. Oswald Street to be closed during works.
RCL to arrange with MCC as part of traffic management works. See appendix D.
Warning signs will be erected confirming that demolition/de-construction works are in progress and that access to the area is prohibited to non-demolition operatives, unless accompanied by an experienced member of our staff.

HOLD POINT: The demolition exclusion zone and safety signage is to be inspected by the Demolition site supervisor prior to works commencing on a daily basis
Northbank Banksman.

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Northbank Demolition will implement a signing in / out register at the entry point to the demolition exclusion zone

Permits

Prior to commencing works NB demolition supervisor will request from Russells Construction site management team the appropriate permit for the works being undertaken: Hot works, Demolition and Excavation permits,

All Hot works operations will cease a minimum of 1 hour before the end of the working shift and a fire watch will be undertaken**.**

Preparation & Soft Stripping

Due to the probability of biological waste, vermin and discarded sharps the highest levels of personal hygiene cleanliness are to be maintained.

Access to the work during soft stripping operations will be via existing ground floor entrances and internal staircases to the upper floor levels.

The demolition site supervisor will instruct the demolition operatives to begin the soft strip on the ground floor of the former Ducie Bridge Pub and adjoining commercial property

Soft stripping works will comprise of the following operations and may be carried out using hand held non-mechanical tools such as mattocks, picks, sledgehammers and pry bars.

The removal of Internal doors/frames and skirting's loose furniture and other debris such as discard boxes, carpets and suspended ceiling tiles

Items of furniture will be broken down into manhandle size pieces so that the materials can be moved by the demolition operatives to locations identified within the building on each floor to await removal by mechanical means as and when the structural de-construction commences

The following elements of the building will not be disturbed or removed during soft stripping operations: Columns, beams, lintels or internal structural supports to upper floors/roofs Plant and equipment that cannot be moved by hand

The soft stripped materials will be stockpiled at ground floor level prior to being removed from the buildings by the demolition excavator fitted with a selector grapple.

The soft stripped materials will be placed into skips for removal from site, sorting and separating materials will be carried out at this time. Wherever possible the moving of soft stripped materials by hand is to be avoided and materials are to be separated using mechanical plant where practical.

If during the demolition phase of the works materials found are suspected to contain asbestos, all works in that area will cease.

The Northbank Demolition supervisor will be informed immediately and the area made safe and fenced off or if possible, the doors locked with adequate warning signage placed.

Northbank senior Management will be informed immediately who will then instruct a trained & competent person to undertake sampling of materials which are suspected to contain asbestos.

The samples will be sent to a UKAS accredited laboratory for analyses results will then be given to the site management team and Northbank site management

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Work at Height / Use of MEWPS

MEWPs of sufficient reach and capacity will be used for safe access to undertake the removal of roof covering prior to structural de-construction

The MEWP will be hired by Northbank Demolition and operated by an IPAF qualified Northbank operator. The MEWPs will be operated in accordance with document, The IPAF Safe Use of MEWPs manual Russells Construction will be issued all relevant certification prior to use

Operatives to keep both feet on floor of MEWP platform, no over-reaching No person to leave the platform whilst in the raised position.

A drop zone will be constructed around the work area using physical barriers and signage. Demolition operatives will commence the removal of roof coverings working from top down using hand held tools working from the MEWP as the roof covering are removed they will be placed inside the basket and lowered to ground level in a controlled manner

One the roof has been stripped back the demolition site supervisor will instruct PASMA trained demolition operatives to erect aluminium tower scaffold on the top floor and commence the removal of the timber trusses utilising battery operated reciprocating saws cutting the timbers into manageable pieces.

Structural Demolition by Controlled Collapse

The de-construction of structural elements will be carried out principally using a Demolition specification tracked excavators fitted with demolition guards and capable of reaching the furthest point of the building yet maintaining a safe working distance. The excavator will be fitted with a rotating clam shell demolition basket (selector grapple) will be used to collapse the structures in a controlled manner in accordance with BS6187:2011. Russells Construction will be issued with copies of all certification (thorough examination / LOLER / PUWER) prior to the commencement of any works

Grapple	Shear
	

Demarcation zones – drop zones will be erected prior to and de-construction works being undertaken no personnel will enter the demarcation zones until the area has been checked and permission is granted by the Demolition Site Supervisor

The Demolition Supervisor & Banksman will at all times be in phone and/or radio contact with the Plant Operator and only when the Plant Operator confirms that it is safe to enter the demarcation zones will permission be granted.

The Plant Operator and Banksman shall be thoroughly briefed by the Demolition Site Supervisor on the method statement for the deconstruction works prior to any works commencing.

Only when the Supervisor is satisfied the Plant Operator and Banksman have read, understood and signed the method statement, risks assessment and briefing form will a permit to demolish will be issued.

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Once the Plant Operator and Banksman are in possession of the permit a final inspection shall be carried out to establish that no persons or equipment are left within the building and that the demolition exclusion zone boundary is secure.

Deconstruction of the Ducie Bridge Public House & Adjoining Commercial Property

Demolition will commence working from the rear of the building deconstructing 5-6 course of brick work working from left to right down to approximately the mid-level on the top floor and progressing through the building in an organized manner removing internal and external walls.

HOLD POINT:

Works will the cease to enable the scaffolding to be progressively dismantled as the structures are de-constructed

When in use the clam shell selector grapple will be used in a similar fashion to a hand in that it will lift off small sections of walls etc.' and deposit them at ground level as works progress at all times the floor will be cleared of any loose material thus not allowing the floors to be overloaded, materials will be separated and placed in relevant skips for recycling of site.

Once the building has been deconstructed to ground floor level works will progress with the removal of the slab and foundations drainage runs will be grubbed out and capped off utilising drain bungs and concrete

At all times during the de-construction the building will be inspected for stability if any stability issues arise works will stop immediately made safe and secure and structural engineer will be consulted for further advice

At the end of each working day the building will be left free of all loose demolition debris and made secure

Scrap metals and hardcore materials will be cleared away as work progress at all times the site will be kept free of trip hazards

At the end of each working day any fencing that has been temporarily removed or relocated to facilitate the demolition operations will be re-secured back into its normal position.

All surplus materials for removal will be removed from site either in skips or tipper lorries designed for that purpose by competent sub-contractors.

Transfer of hazardous waste to landfill sites will be recorded on Environment Agency pre-notes, materials removed to scrap yards or for reprocessing will be logged and recorded on load tickets issued to vehicle drivers and recorded on our own waste transfer notes.

During operation of the demolition plant, banks men wearing high visibility clothing will be positioned to assist the machine driver in directing the demolition, control traffic movements in a safe manner and to warn approaching traffic of the hazard ahead.

If at any time during the works the machine driver needs to be approached then the line of site will only be allowed from Zone 1 below.

The banksman will visually make contact with the machine driver before approaching the machine and only when the machine and structure are made safe will permission be granted

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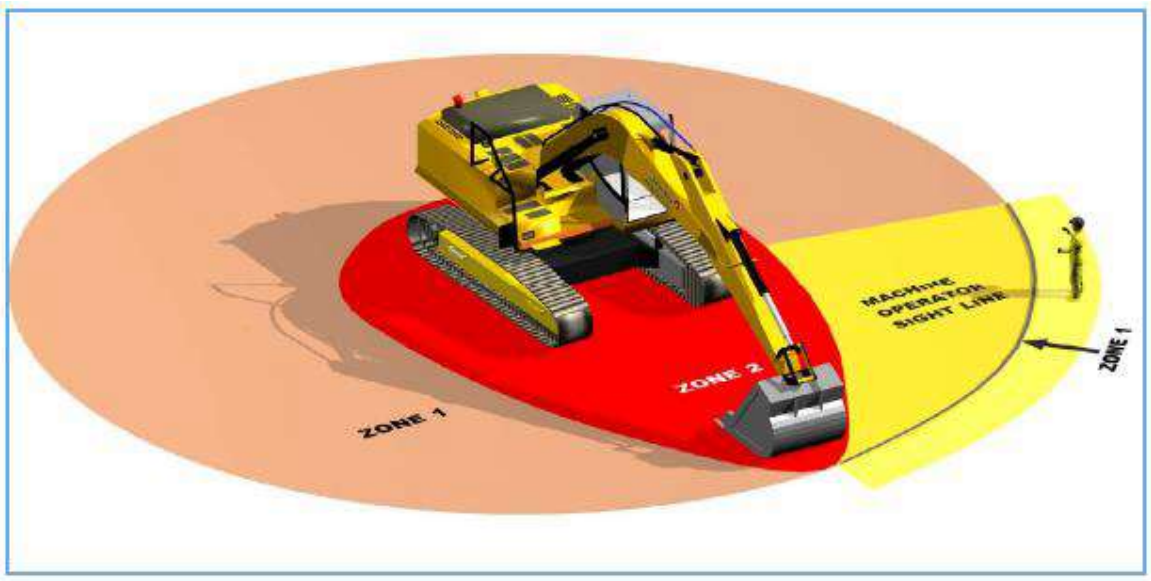

360° tracked excavator

Noise will be restricted by the use of approved silencers fitted to operating plant. Dust suppression will be implemented during the course of the works utilising a jet spray water cannon.

4.0 PROGRAMME

11 weeks in total

Site Working Hours 07.30 – 17.30 Monday – Friday & Saturday 07.30 – 13.30 if required

5.0 COMPETENCY OF THOSE INVOLVED

All site supervision will be suitably trained and hold the relevant CCDO/CSCS Supervisor/Manager qualifications and be either Level 3 NVQ qualified or enrolled and actively involved on the on the NVQ assessment and qualifications programme.

All machine drivers will be Health & Safety tested and hold the relevant CPCS/IPAF card appropriate to the machine being operated.

All demolition operatives shall CCDO card holders & are Asbestos Awareness Trained

All banks men and site labours will be Health & Safety tested and hold the relevant CSCS/CCDO card.

Copies of which will be available within the site file and at Northbank head office. If required

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6.0 EQUIPMENT TO BE USED

Any plant required to carry out the works will be announced prior to delivery on site. Notwithstanding it is expected that the following items of plant will be required:

- 1 x 20-ton Demolition Specification excavator with attachments
- 1 x Demolition Specification High Reach excavator with attachments
- MEWP
- Aluminium Scaffold Towers
- Roll on Roll off skips
- 8 wheeled road haulage wagons
- Bunded fuel bowser filled by visiting fuel tanker c/w foam fire extinguisher

Certification for the above plant will be held at the work site all copies of all daily plant checks to be issued to Russells Construction each Friday

All static plant will be positioned on a plant nappy.

Welfare

Russells Construction will provide suitable and sufficient welfare cabins in compliance with CDM 2015. Which will be maintained in a clean state for the duration of the project.

All site operatives are briefed and made aware of main access/egress routes and emergency muster points, these designated routes are to be kept clear at all times. (Records kept)

First Aid

Adequate First Aid trained personnel will be deployed on site and the names of those trained displayed in the Site office accommodation. A suitably stocked first aid kit and eye wash station shall be provided in the Site office accommodation. Eye wash stations and first aid boxes will also be located onsite with the site supervisor.

An Northbank Demolition first aider will be in attendance at all times:

Fire Precautions & Procedures

As the work progresses fire exits and escape routes will constantly change. The supervisor will discuss this at the daily briefing with all operatives. Where required the locations of escape routes and placement of firefighting equipment will be amended on the site plan / one will be posted on the site notice board.

All fire doors will be unlocked and routes kept clear and unobstructed throughout the works.

Prior to works commencing klaxons and fire extinguishers will be sited at strategic points around the site as shown on the site plan. In case of fire:

- Sound the nearest klaxon with a continuous blast
- Only tackle the fire if it is small and you are competent that it can be put out
- If not, leave the building by the nearest safe exit without delay
- If persons are injured only remove them if it safe to do so – do not risk your own life if it is not feasible to rescue to the injured person
- Meet at the muster point (so long as it is safe)
- Phone 999 without delay and report the fire
- A role call will be given by the site supervisor
- Do not re-enter the building until the all clear has been given

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All hot works will only be allowed with a hot works permit issued by the Russell Construction site management - supervisor. Hot works must only be carried out with a watcher in attendance and must cease at least 60 minutes before the end of the working day.

Accidents/Incidents

All accidents are to be recorded in the accident book; this will be located in the site office next to the first aid kit. Russells Construction will be made aware of all accidents as soon as reasonably practical.

All on site incidents giving rise to an absence of more than 7 working days will be reported to the HSE under RIDDOR.

All RIDDOR incidents and any safety related incidents or accidents will be reported to the client Safety HSQE Manager at the earliest opportunity.

Emergency Procedures/Special Requirements

In emergency situations:

Direct control of the demolition operation remains with Northbank Demolition Manager.

In the event of an emergency the Northbank Site Manager - Supervisor, if required, will contact the appropriate external emergency services, and then inform the client of the incident.

Demolition exclusion zones will be marshalled at all times by an Northbank Banksman who will be in phone - radio contact with the site team.

All gates/site fencing will be physically secured and locked at all times or be under the control of a designated gateman / security guard.

8.0 SUPERVISION

The Northbank Site Supervisors will be: TBC

9.0 MONITORING OF THE WORK

Northbank Site Manager / Supervisor will be on site at all times and will monitor and record resources.

Monitoring will be undertaken as work proceeds for compliance with the method statements, H&S quality and to changes to the anticipated hazards relating with this activity.

10.0 ENVIRONMENTAL

Fuel to be delivered to site will be double Bunded fuel bowsers spill kits will be carried by the fuel delivery driver.

Noise will be restricted by use of approved silencers fitted to generators etc.

Dust suppression will be implemented using onsite water supplies as required

The approximate number of vehicles on/off site will be 40no.

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10.1 Waste

All Metals will be transported to: Metal Recycling plants within the local district

Transfer of hazardous waste to landfill sites will be recorded on Hazardous Waste Consignment Notes, materials removed to scrap yards or for reprocessing will be logged and recorded on load tickets issued to vehicle drivers and recorded on our own waste transfer notes. Copy of waste transfer licences to be provided to the client as required

On completion of the project the client is to be given a Health and Safety File along with copies of all waste transfer notes

10.2 Emergency procedure (spills etc)

Spill kits will be available during the works, these will be available next adjacent to the fuel bowsers on each individual machine and within the site offices.

All operatives will be trained and competent in spillage response procedures.

11.0 Approval, Review & Briefing

Northbank Demolition site manager will be empowered to amend or adapt the method of working in response to actual site conditions and hazards encountered and will be required to amend this document manually, initial the alterations, inform the site operatives involved with the work.

The Northbank Demolition contracts manager shall brief all site personnel working on site of the contents of the method of works.

All site personnel shall sign the method statement on the form in Appendix B to say they have read and been briefed on the contents and fully understand the method of works before any activities commence on site.

The Northbank site supervisor shall carryout Daily Activity Briefs which will detail the site activities for that day to all operatives on site.

12.0 SECURITY

- Demolition exclusion zone will be marshalled by Northbank Demolition at all times.
- The site is secure and will be locked out of working hours.
- The gate will be gate controlled by the site supervisor during working hours.

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Appendix A

Risk Assessment

NorthBank Demolition Company

Project Former Ducie Bridge Public House	RISK ASSESSMENT	Northbank Demolition Company Hayes Road, Cadishead, Manchester M44 5BU Tel: 0161 777 8542 Fax: 0161 775 9954 Email: info@northbankdemolition.com

Work Location : 152 Corporation St, Manchester M4 4DU	Operation: Demolition	Method Statement No: NB-RC 2017-1009	Date Task Starts TBC - 2017

Key to Risk Rating:

Likelihood (L)	Severity (S) 1	2	3	4	5
1	1	2	3	4	5
2	2	4	6	8	10
3	3	6	9	12	15
4	4	8	12	16	20
5	5	10	15	20	25

Likelihood (L)		Severity (S)	
1	Very Unlikely	1	Minor injury, no lost time, no damage
2	Unlikely	2	Minor injury, less than or equal to 3 days lost time, minor damage
3	Likely	3	Reportable injury, 3+ days lost time, temporary disruption to operations
4	Very Likely	4	Major injury, damage, theft
5	Certain	5	Fatality, major damage, industry disruption
Risk Rating (RR) = Likelihood (L) x Severity (S)			

Item	Activity	Hazards/Risks Identified	Risk Rating S	L	RR	Control Measures	Residual Risk S	L	RR	Persons at Risk	Monitoring Responsibility
1	General operations throughout the site	Sharps Stick Injuries, Diseases including, Hepititis, HIV, AIDS, Radiation Sources, Toxins	5	2	10	– All Operatives to receive instruction and information in the form of a toolbox talk on this subject, due to the possibility of serious / fatal infection from used sharps. – Sharps must not be handled the Site supervisor to Isolate area and summon the Sharps remover – Should any person on site be accidentally struck by a needle and it is bleeding they should allow the injury to bleed while washing under water for 10 - 15 mins then report immediately to the Supervisor. – The Supervisor shall then arrange for the person in question to attend a Doctor / Hospital immediately. – The needle should be brought to the casualty /Doctor as it will be required for identification of possible Blood Pathogens etc.	5	1	5	ALL site Operatives	NB -Supervision

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Item	Activity	Hazards/Risks Identified	Risk Rating S	L	RR	Control Measures	Residual Risk S	L	RR	Persons at Risk	Monitoring Responsibility
2	Access to work Areas	Slips, Trips & Falls	3	3	9	– Segregated access and egress routes to be clearly marked and signed on site – All operatives to be briefed on & use of designated access & egress routes that are clearly marked and defined – Maintain good levels of housekeeping at all times. – Keep designated access routes clear at all times.	3	1	3	All site Operatives	NB Supervision
3	Site Traffic Management	Operatives being struck by vehicles using vehicle routes and access/egress from works area.	4	2	8	– Ensure vehicle routes and Site access and egress are clearly defined and maintained – Site supervisors to monitor – TM Rules to be broadcast and enforced – High visibility clothing to be worn – Operative to attract driver's/operator's attention before approaching vehicles/plant – All reversing vehicles & plant movements to be controlled by a designated Banksman – Where possible pedestrian / vehicle routes to be established & clearly signed posted – Operatives to use pedestrian routes where available	4	1	4	All site Operatives General Public	NB Supervision

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Item	Activity	Hazards/Risks Identified	Risk Rating S	L	RR	Control Measures	Residual Risk S	L	RR	Persons at Risk	Monitoring Responsibility
4	Manual Handling	Personal Injury Back Strain Slipped Disc Hernias Lacerations Crushing of hands or fingers Bruised or broken toes or feet Various sprains, strains, etc.	3	3	9	– Always use mechanical devices wherever possible, – Reduce risk of injury to lowest level reasonably practicable by use of slings, hand grips. – Where the use of a machine is impracticable, sufficient labour must be available to handle any heavy or awkward loads and instructions must be issued to site on the handling of these loads. – All operatives will be given training in the correct methods of handling and lifting loads as part of their normal site safety training. – Maintain High levels of housekeeping at all times – Access & material transfer routes to be kept clear. – Supervisors will ensure that a supply of suitable gloves is available from issue as required for the handling of materials which could cause injuries to the hands. – All lifting devices req'd are to have correct certification	3	1	3	All site Operatives	NB Supervision

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Risk Rating (RR) = Likelihood (L) x Severity (S)			

Item	Activity	Hazards/Risks Identified	Risk Rating S	L	RR	Control Measures	Residual Risk S	L	RR	Persons at Risk	Monitoring Responsibility
5	Deconstruction of the former Public House	Public interface Security Unauthorised entry into works area Trespass	4	2	8	– Demolition site fenced using Heras type fencing and safety signage to be established, secured and maintained throughout duration of works. – NB Banksman to maintain, monitor and marshal the demolition exclusion zone to ensure there is no unauthorised access. – A Gateman is to be in attendance to control access onto the site. – The access points are to be secured when there are no vehicular movement or left unattended. – Site vehicles to check for pedestrians and traffic before driving out of and on to site. – All ops to be vigilant for members of the public and third parties at all times – Supervisors to coordinate works with other trades in the area if any. – No reversing movements without a Banksman.	4	1	4	Demolition Operatives General Public	NB Supervision

NorthBank Demolition Company

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Work Location : 152 Corporation St, Manchester M4 4DU	**Operation: Demolition**	**Method Statement No:** NB-RC 2017-1009 / **Date Task Starts** TBC - 2017

Key to Risk Rating:

Likelihood (L) \ Severity (S)	1	2	3	4	5
1	1	2	3	4	5
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2	Unlikely	2	Minor injury, less than or equal to 3 days lost time, minor damage
3	Likely	3	Reportable injury, 3+ days lost time, temporary disruption to operations
4	Very Likely	4	Major injury, damage, theft
5	Certain	5	Fatality, major damage, industry disruption
Risk Rating (RR) = Likelihood (L) x Severity (S)			

Item	Activity	Hazards/Risks Identified	Risk Rating			Control Measures	Residual Risk			Persons at Risk	Monitoring Responsibility
			S	L	RR		S	L	RR		
6	Demolition	Existing Services Personal Injury Electrocution Fire –Explosion-Burns Flooding	4	3	12	– Russells Construction to arrange /confirm disconnection -Isolation of existing services at the entry points into the building prior to any works commencing & provide isolation certificates to Northbank Demolition – Protection measures to be erected over sub station	4	1	4	Demolition Operatives	NB Supervision
7	Demolition	Generation of Dust Inhalation (Asthma) Irritation to eyes, skin and Respiratory system	3	4	12	– All reasonable measures will be taken to minimize the creation of dust – Dust suppression to be, implemented using existing water supplies as required. – Road sweeper to be called in as and when required	3	2	6	All site personnel General Public	Supervision

NorthBank Demolition Company

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Item	Activity	Hazards/Risks Identified	Risk Rating S	L	RR	Control Measures	Residual Risk S	L	RR	Persons at Risk	Monitoring Responsibility
8	Demolition High Noise Activities	Noise High noise levels over a prolonged period of time or very high levels for short durations can lead to Loss of hearing tinnitus [ringing in the ear] Loss of concentration Raised blood pressure.	4	3	12	– All plant provided is to be fitted with silencers, mufflers, doors, canopies, etc. And that all equipment and noise reducing doors are used. – Supplies of ear defenders or other hearing protection will be made available on the site or for any operations where it is not practicable to reduce the noise levels to a safe limit. – No unauthorised access to exclusion zone. – Hearing protection to be made available at 80dBA – Hearing protection is mandatory when noise reaches 85dBA – Noise monitoring will be conducted at exclusion zone boundaries – Noise will be limited to acceptable levels at exclusion zone boundaries	4	1	4	Operatives	NB Supervision
9	Demolition	Premature / un-controlled collapse	5	4	20	– All works to be conducted in strict accordance with the demolition sequence in this method statement – Pre-demolition assessment of structures prior to commencement to determine if site condition have changed – Demarcation zones set up prior to demolition and adequate warning signage in place	5	1	5	NB Supervision	NB Contracts management

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Item	Activity	Hazards/Risks Identified	Risk Rating S	L	RR	Control Measures	Residual Risk S	L	RR	Persons at Risk	Monitoring Responsibility
	Demolition	Premature / un-controlled collapse	5	4	20	– Restriction of all non-operational personnel from demolition exclusion zone – Banks man/ Supervisor to control demarcation zones and also to be in visual / phone radio contact.	5	1	5	NB Supervision	NB Contracts management
10	Pulverising of concrete structures	Projectiles Damaged to commercial properties	5	2	10	– Breaking out will be undertaken by tracked excavators fitted with Hydraulic rotating pulverisers – Exclusion zones set up –	5	1	5	General Public Site personnel	NB Supervision
11	Demolition / Intrusive Works	Hazardous Materials	4	3	12	– All Operatives are to be trained and competent – If Hazardous materials are suspected or identified all works will be made safe & stopped. Works will not commence until materials are identified and all risk controlled . – NB Operatives are trained in asbestos awareness and Demolition Awareness – PPE to be work at all times	4	2	8	Demolition Operatives	NB Supervision

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Item	Activity	Hazards/Risks Identified	Risk Rating S	L	RR	Control Measures	Residual Risk S	L	RR	Persons at Risk	Monitoring Responsibility
12	Use of abrasive wheels	Bursting of the wheel or disc. Injuries from flying particles. Cuts to hands, legs, etc. Dusts from certain types of materials. Loose clothing tangled in disc. Noise. Fire and explosion.	4	3	12	– Hot works permit shall be obtained from NB Site manager on a daily basis and a suitable fire extinguisher is on hand. – All Operatives are to be trained and competent in the use of abrasive wheels – Training records held at work site. – Equipment to be inspected by a competent person before use. Defective equipment is to be removed from service – Operative to wear safety goggles, ear defenders and dust mask when using abrasive wheels – Safety glasses are not adequate – Solid fire-retardant screens are to be used to prevent the spread of sparks/projectiles – Dust suppression to be implemented as required.	4	1	4	Operatives	NB Supervision

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Item	Activity	Hazards/Risks Identified	Risk Rating S	L	RR	Control Measures	Residual Risk S	L	RR	Persons at Risk	Monitoring Responsibility
13	Hot Works	Hot Works Fire, Explosion, Burns	4	3	12	– A Hot Work Permit is to be issued prior to work starting. All works to be conducted in accordance with Hot Works Permit. – Hot works to stop 1 hour before end of shift and fire watch to be undertaken. – Only trained, certified & experienced operatives are permitted to carry out work with cutting equipment and burning equipment. – Training to be CCDO accredited, training records will be available onsite. – Ensure that all necessary protective clothing, ventilation equipment, respirators or breathing apparatus, fire blankets, extinguishers, comply with the relevant standards are on site prior to cutting or burning work being carried out – Ensure that adequate fire precautions and first aid provision have been put in place prior to work commencing.	4	1	4	Operatives	NB Supervision

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Item	Activity	Hazards/Risks Identified	Risk Rating S	L	RR	Control Measures	Residual Risk S	L	RR	Persons at Risk	Monitoring Responsibility
13 a	Hot Works	Hot Works Fire, Explosion, Burns	4	3	12	– All equipment to be in good condition. Defective equipment to be removed from service. – Operatives are to wear impact goggles when using abrasive wheels. Light eye protection is not adequate. – NB Banksman to dowse down cutting areas at the end of each shift as an extra precaution to Hot Works Procedure.	4	1	4	Operatives	NB Supervision

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Item	Activity	Hazards/Risks Identified	Risk Rating S	L	RR	Control Measures	Residual Risk S	L	RR	Persons at Risk	Monitoring Responsibility
14	Asbestos materials	Asbestos can lead to asbestosis. Inhalation Ingestion Penetrate the skin Penetrate through cuts and scratches	5	2	10	– NB Operatives are trained in asbestos awareness. – Works to stop and made safe in the event of materials being suspected to contain ACM's that have not previously been identified and recorded in the issued R & D survey – Site Management to be informed immediately who will nominate a trained competent person to sample the material – All results to be communicated to NB site supervision and certificates of analysis to be issued – Exclusion zones to be in place to prevent unauthorised access – All works to be undertaken in accordance with the Control of Asbestos Regulations 2012 and HSE Guidance Notes.	5	1	5	All Operatives	NB supervision

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Item	Activity	Hazards/Risks Identified	Risk Rating S	L	RR	Control Measures	Residual Risk S	L	RR	Persons at Risk	Monitoring Responsibility
15	Use of Hand Held Power tools	Cuts, puncture wounds, abrasions from blade Entanglements with drill bits - Ejection or contact with work piece Contact with eye from work pieces - Dust - Noise - Vibration - Heat - Electricity - Trailing cables - Fire	5	2	10	– Ensure that the correct tools are available and used for the job. – Do not improvise - Visually inspect equipment before use. – Look for signs of damage to equipment casing, lead and plug. If damaged do not use and remove from use. – Ensure all guards are present, in good condition and used – All equipment to be well maintained, clean, greased where appropriate in accordance with manufacturers requirements – Correct PPE to be worn at all times – impact resistant goggles, ear defenders correct rated safety gloves – Trailing leads are routed away from walkways or covered to reduce trip hazards – All portable electrical equipment to be tested at 3monthly intervals - Electrical tools to be 110v and RCD protected – – All operatives to be trained in the correct operation of the tools – HAV assessments and trigger times to be recorded by each demolition operative – Demolition site supervisor to undertake safety briefings and toolbox talks	5	1	5	Demolition operatives	NB Supervision

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Item	Activity	Hazards/Risks Identified	Risk Rating S	L	RR	Control Measures	Residual Risk S	L	RR	Persons at Risk	Monitoring Responsibility
17	Refuelling	Fire, burns, pollution, Dermatitis	5	3	15	– Plant to be refuelled from double bunded towers with drip trays and emergency spill kits must be kept at each refuelling point. – Smoking and the use of mobile phones is prohibited during refuelling. – Ensure that adequate fire precautions and first aid provision have been put in place prior to work commencing and a nominated person trained to use it. – Correct PPE to be worn	5	2	10	All operatives	NB Supervision

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Item	Activity	Hazards/Risks Identified	Risk Rating S	L	RR	Control Measures	Residual Risk S	L	RR	Persons at Risk	Monitoring Responsibility
18	Working at Height - operation of MEWP Removal of roof coverings	Fall of persons working from platform Falling Debris / Materials Over turning platform	5	3	15	— Approved and certificated safety harness to be worn and clipped to cage by operative at all times whilst. Operative shall not unclip until lowered to ground level. — Boom is dual controlled with emergency descent system. — Banksman to be placed outside drop zone and be in visual contact with demolition operatives prior to materials be passed outside the building — Demolition operatives to work from above or from the side when removing materials — Always check that the ground is stable and level and not liable to localised settlement below stabilisers	5	1	5	Demolition Operatives	NB Supervision

Assessed By: Tim Richards	Date: 10th Sept 2017	Approved By:	Date:
Review 1:	Date:	Review 2:	Date:

NorthBank Demolition Company

Northbank
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Appendix B

Method Statement & Risk Assessment Briefing Form

Demolition and removal of slab & Foundation

Method Statement Ref No: **NORTHBANK DEMOLITION MS NB-NRS 2017-1009**

Revision: **0**

Nos	Name(print)	Employer (print)	Signature*	Date
1				
2				
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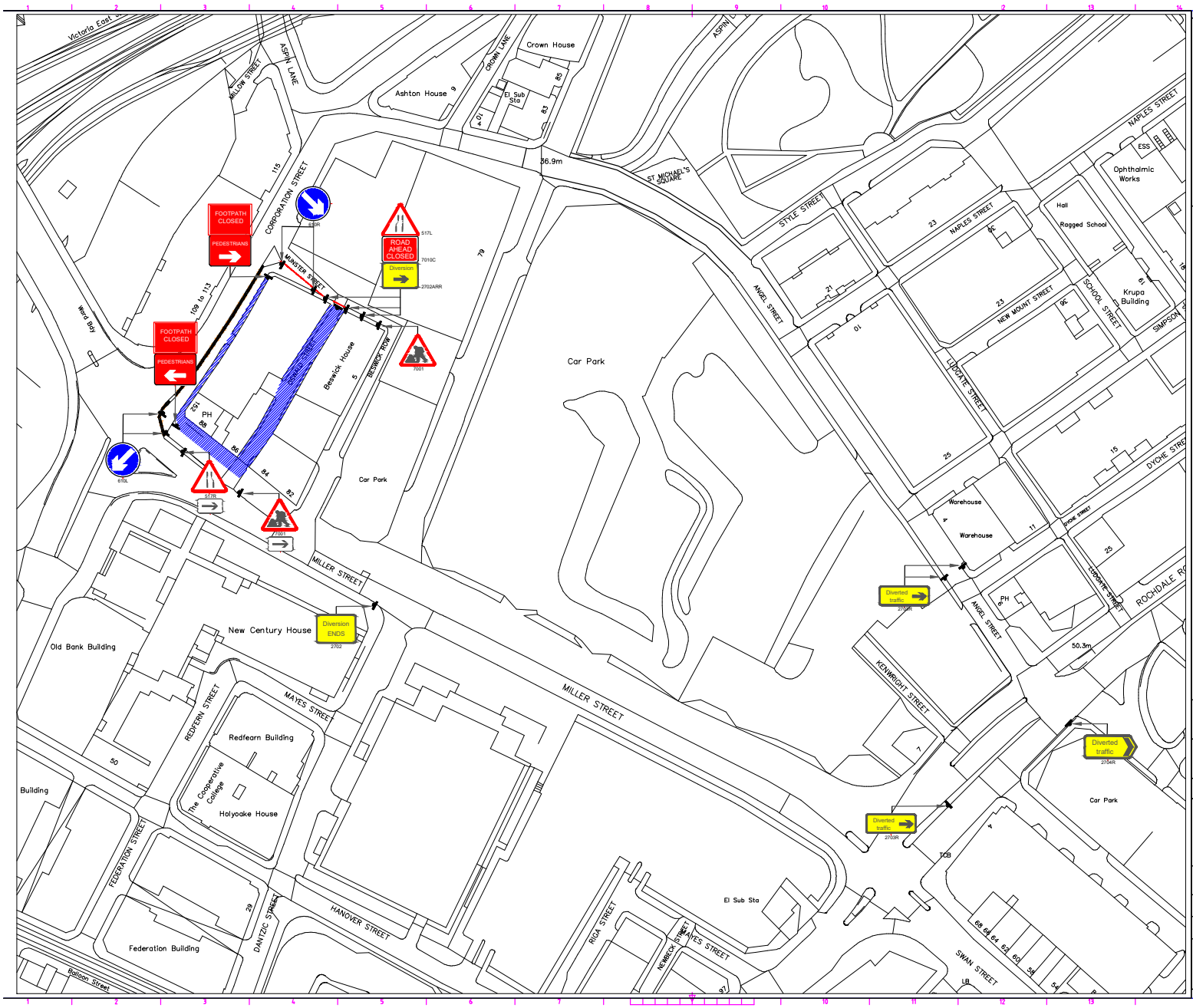
Appendix C

Demolition Site Plan



APPENDIX D



NOTES

SPECIAL SIGNS

7001	X 2	ROAD AHEAD CLOSED 7010C	X 1L
517R	X 1	ROAD CLOSED 7010B	X 1
517L	X 1	Diversion 2702ARR	X 1
610	X 4	Diversion ENDS 2702	X 1
Diverted traffic 2703R	X 3		
Diverted traffic 2704R	X 1		
FOOTPATH CLOSED	X 2		
PEDESTRIANS	X 1		
PEDESTRIANS	X 1		

CONTRACT

RUSSELL'S

TITLE

MILLER ST / OSWALD STREET

PLANNER

N.WOODWORTH

CIVIL ENGINEERING & TRAFFIC MANAGEMENT CONSULTANCY

UDP LTD
Cobden House
33 Cobden Street
Salford
M6 6WF

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Fax 0161 907 1254
Email: info@udpltd.co.uk

Drawing Status

XXXXXXXXX

Drawn By N.WOODWORTH	Checked By TW
Date 15.05.2017	Scale @A0 NTS

Drawing No

UDP-4915