

Demolition Plan

Demolition & Site Clearance

of buildings:

Buxton TMD

for

DB Schenker Rail

By:

Anthony McHugh Demolition Ltd

12/11/15

Preface

This outline demolition plan and all detailed Method Statements produced will be in accordance with BS6187 Code of Practice for Demolition, furthermore consideration will be given to the Best Practice Guidance *The control of dust and emissions from construction and demolition*, throughout the works.

Scope of Works:

This document covers of the following buildings:

Demolition/ dismantling of steel framed building.

This document deals with the following matters:

- Asbestos
- Demolition of structures onsite.
- Transporting on/off site of plant, materials and waste

Programme

Commencement	TBC
Completion	TBC

Site personnel

Contracts manager – A McHugh
Site Supervisor J Flaherty
Demolition operatives – TBA (>2)
Plant operators – TBA (> 1)

Working Hours

Anthony McHugh Demolition Ltd standard working hours are:

Weekdays – 8.00 – 16.30

Saturdays – 8.00 – 12.00

Sundays and Bank Holidays – No Work

Legislation and codes of practice

All work will be carried out in accordance with current legislation, which is applicable to their respective industry, with particular regard to the following.

The Health & Safety at Work etc Act 1974

The Construction (Health, Safety & Welfare) Regulations 1996

The Control of Asbestos at Work Regulations 2006

The Asbestos (Licensing) Regulations 1998

Working with Asbestos Insulation etc (2nd Edition) 1987 Regulations

The Control of Lead at Work Regulations 1998

Control of Pollution Act (Amendments) 1989

The (Lifting Operations & Lifting Equipment) Regulations 1998 (LOLER 98)

Factories Act 1961

Health and Safety at Work Regulations 1999

The Control of Substances Hazardous to Health Regulations 2002

The Construction (Design & Management) Regulations 2007

The Management of Health & Safety at Work Regulations 1999

Personal Protective Equipment at work Regulations 1992

The Construction (Head Protection) Regulations 1989

The Health & Safety (Safety Signs & Signals) Regulations 1996

The Noise at Works Regulations 1989

The Health & Safety (First Aid) Regulations 1981

The Workplace (Health, Safety & Welfare) Regulations 1992

The Reporting of Injuries, Diseases & Dangerous Occurrences Regulations 1995 (RIDDOR)

The Provision & use of Work Equipment Regulations 1998

The Manual Handling Operations Regulations 1992

References

BPG	The control of dust and emissions from construction and demolition (GLA and London Councils)
BS6187	Code of Practice for Demolition
BS5240	Industrial Safety Helmets
BS2092	Industrial Eye Protectors
BS679	Filters for use during welding and similar industrial operations
BS1397	Industrial Safety Belts and Harnesses

Health Safety & Welfare facilities

Temporary welfare facilities are to be established for Anthony McHugh Demolition Ltd Site Staff & operatives in a location suitably agreed.

A suitable first aid box will be made available.

All plant operatives will be CITB/CPCS/CTA registered and will have copies of their certificate with them for inspection.

All personnel will be issued with the necessary PPE and will be expected to wear it at all times on site. Special PPE will be issued as necessary in any hazardous locations following site induction and or issue of a permit to work.

Each new operative starting work on site shall be inducted by the site supervisor, also regular toolbox talks will be held.

During site induction all personnel will be made aware of the Site Rules, Accident Reporting and Site Emergency procedures. These will be adhered to at all times. Anthony McHugh Demolition Ltd operatives are familiar with the policies and procedures in place on projects of this size.

Anthony McHugh Demolition Ltd reserve the right to alter/amend, the Method of Working as a result of on going operations.

Public & Employee Protection

Services

Services are known to exist in the adjacent footpaths/roads. All services to the buildings to be demolished are to be disconnected at or beyond the site boundary prior to works commencing.

A CAT scan of the site is to be carried out prior to works commencing as a matter of course to identify the possibility of 'rogue' services.

Services within the curtilage of the site which are to remain live will be assessed and protected as necessary. Carefully controlled hand excavated trial pits will be carried out as necessary to prove and verify exact location and nature of recorded services.

Site perimeter

Warning notices and restricted area notices will be positioned at vantage points.

The permanent working area is to be protected in accordance with the client's requirements prior to main demolition works commencing.

Solid barriers will be in place to all site boundaries through the provision of either timber hoarding, solid 'heras' type fencing or utilisation of existing boundary walls.

The inner perimeter of the working area is to receive a further block and mesh hoarding as necessary to de mark active demolition zones or protected services.

Elevations which front public rights of way will have sentries in attendance when needed.

Access and egress to the work face will be via designated routes. These will be agreed and implemented by our site supervisor. The existing road system is to be followed in accordance with the existing traffic management scheme. All plant will be delivered to site by road going low loader.

Workforce protection

Areas of risk directly beneath the demolition area will be cordoned off and clearly segregated from third parties. Barriers are to be erected complete with warning signs.

All temporary barriers and signs etc. will be constantly checked and maintained before and during each working day by the Site Supervisors.

All areas of safety will be constantly evaluated with attention to detail being given the utmost concern at all times.

Personal protective equipment

All site personnel will be issued with standard personal protective equipment. Each operative will have general protection issued by the Site Supervisor dependent upon the work in hand. Safety wear will comprise of the following:

Hard hats, ear and eye defenders, nasal protection against high volume of dust, dermal protection to exposed vulnerable areas and footwear against risk of penetration and impact. high visibility vests/jackets.

Accident procedure

In the event of any accident occurring, a standard procedure will be adopted. For all injuries a detailed record will be maintained on site. Minor injuries will be treated in situ, if possible, by utilising a standard first aid kit available on site. More serious injuries will be treated by a suitably qualified off site party. In either event all parties requiring notification will receive it.

Depending upon the level of injury and the circumstances which they occurred, all accidents will be thoroughly investigated by the Contracts Manager. He will assess the degree of competence adopted, as to whether the incident is likely to re-occur if the methods adopted are continued to be used. Any such changes to the methods of working will be immediately reported to the Supervisory Officer, complete with a revised method statement and associated risk assessment.

As each new area of work is approached, the Site Supervisor will hold regular induction meetings with key personnel and, in particular, machine operators in respect of the works to be executed, in which areas, and most importantly the factor of risk likely to be encountered during each specific operation.

All areas of work will be supervised at all times. It will be the responsibility of each Supervisor to constantly assess the ability of each operative both before and during with regard to the individual's capabilities in respect of the work he has been assigned to do in both experience, competence and most importantly, his ability to complete the work in a safe manner without incurring risks to himself or third parties. Supervisory charge-hands will be in possession of a set of documents relating to method of work.

Dust & noise reduction strategy

Noise levels will be monitored during the course of the works. It is accepted that noise cannot be eliminated entirely, but reasonable steps will be taken to reduce any adverse effects of noise generated by the works. Previous works of this nature have been carried out and have had noise assessments produced. A table summary of these results is shown below for reference. The nature of the works and type of structures will allow controlled sectional removal of structural elements using remotely operated plant. The nature and capability of the plant proposed to be used is such that all operations will be carried out with the minimum of noise and emissions generated on the site. All Plant and Machinery have engines compliant with emission regulations.

The location of all plant and machinery will be positioned as far as is reasonably practicable from sensitive receptors.

As a matter of course all plant and machinery will have the engines turned off when idling.

Anticipated noise levels -

Activity	Noise produced at Source	Noise produced at site boundary
Demolition	93db(A)	80db(A)
Breaking slabs	103db(A)	85db(A)

Existing Situation

The site contains a steel framed warehouse along with a single storey brick office, with asbestos cement cladding to the side elevations of the main warehouse.

The roof is clad with a mixture of tin and felt.

The buildings are fair condition and safe to enter.

Proposed Works

Demolish/ dismantle structures down to ground floor slab level. All floor slabs to be left intact and all waste to be removed off site.

Site Setup

- 1, A site compound shall be established by way of a herring fence around the Perimeter of the building, where required.
A site office shall be established, where the site file will be kept, in addition Supplies of PPE and a first aid kit will be kept in the site office.

Toilet/welfare facilities will be established in accordance with current regulations For the number of site staff.

A roll on off skip suitable for each waste stream identified shall be brought to Site and arising waste shall be kept in these skips.

Asbestos Removal

- 1, All Asbestos cement cladding shall be removed.

All asbestos cement wall cladding shall be removed by Anthony McHugh Demolition Ltd's own trained operatives.

It is noted that there is no asbestos cladding within the roof structure.

A diesel scissor lift shall be utilised by 2x trained operatives to access the wall cladding.

Bolts fixing the cladding to the steel frame shall be cropped with hand tools or small 110v powered tools.

The asbestos cement sheet shall be removed from the steel frame and placed into the scissor lift with extra care being taken, not to break or damage the sheet.

The scissor lift shall be lowered to the ground, where the asbestos cement sheet shall be removed from the scissor lift and placed into an appropriate skip.

This process shall be repeated throughout all the perimeter of the building.

Demolition works

- 1, The demolition zone shall be checked and barriered off prior to work beginning.

The starting work face shall be the front/ single storey section of the building.

A 25 tonne excavator fitted with a shear attachment shall begin to demolish/ cut down the building from top down. The upper sections of the supporting steel columns shall be broken/ weakened to allow the controlled collapse of the roof structure.

As work proceeds, a second excavator with a bucket attachment shall grub up the concrete/ brick and separate the steel..

All wastes shall be separated and loaded into an appropriate skip for disposal.

As work progresses any cellar/ voids will be in filled with clean rubble arising from the demolition works. Waste will continually be removed off site and demolition will proceed through the buildings until completion.

Recycling

As a matter of course we always recycle as much waste as possible.

The following items have been identified;

Timber - all timber will be segregated and sent for recycling.

Brick/concrete - all brick and concrete will be sent for recycling.

Glass - glass will be removed and sent for recycling.

Paper - any paper waste will be sent for recycling.

Metals - all metal waste will be sent for recycling.

Reusable furniture/fixtures/fittings - any reusable items will be carefully remove

For resale/reuse.

Main Risks to be assessed

Heavy plant movement/operations
Refuelling of plant
Working at height
Dust
Noise
Slips, trips & falls
Manual Handling
Leptospirosis
Mud on road
Drug users / vagrants
Hand demolition
Psittacosis
Uncontrolled collapse
Access / egress
Glass
Man made mineral fibres
Services
Weather (height)

Resources

Plant	Labour
1x standard reach 360 degree hydraulic excavator fitted with demolition attachments Container skips	Site Supervisor Demolition operatives Plant operator Lorry drivers

Personnel Protection Equipment

Safety Helmet	✓	Hi-Vis	✓	Ear	✓	Gloves	✓	Respirators	✓
Safety Boots	✓	Coveralls	✓	Eye	✓	Dust	✓	Safety	✓

COSHH

The following products will be brought to site for use by the Company.

- Gas Oil Fuel
- Lubrication Grease
- Hydraulic Oil
- Engine Oil

All products will be delivered to site via our road going fuel bowser operated by a fully trained driver equipped with all required PPE equipment.

Fuel will be pumped directly into plant fuel tanks from the bowser. Oils will be dispensed from containers into measuring jugs then directly into plant.

Supplier Data Sheets for all such materials will be held on site.