Southern Demolition Co Ltd

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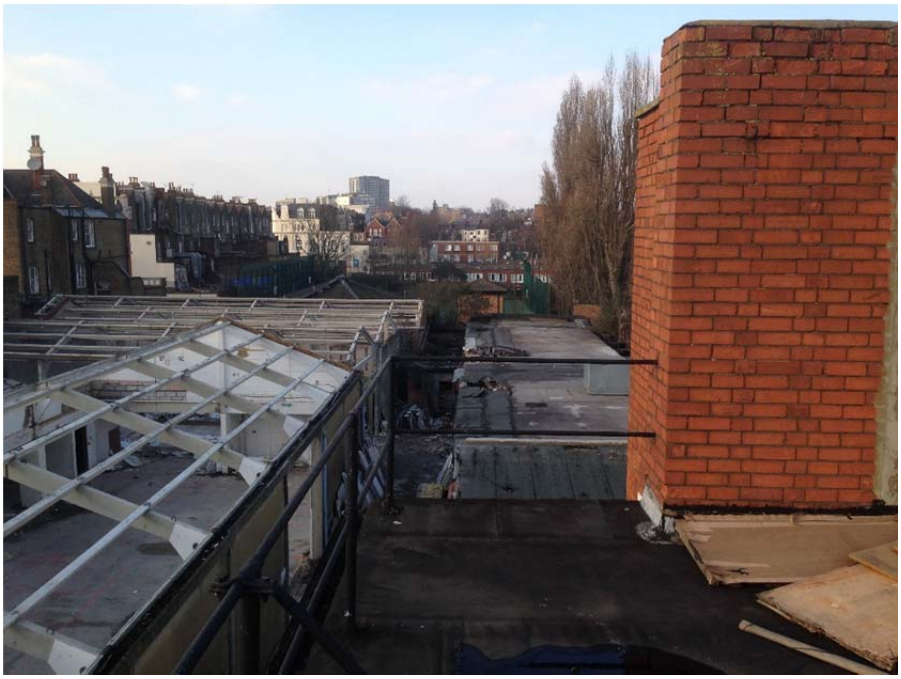
OUTLINE DEMOLITION METHOD STATEMENT DATED: 29/01/15

SITE: 254 Kilburn High Road



1. GENERAL

Demolition work will be undertaken in accordance with BRITISH STANDARD CODE OF PRACTICE B.S. NO. 6187:2000 - Demolition
BS 7375:2010 – Electrical standard for constructions sites
BS EN ISO 7518:1999- Construction drawings for demolition and rebuilding
DD CEN T/S 13778:2005 – Mobile demolition plant safety requirements
For current HSE guidance on demolition follow this link;
http://www.hse.gov.uk/construction/safetytopics/demolition.htm
Control of Asbestos Regulations 2012.

2. SAFETY

All personnel will wear safety helmets when on site and safety instructions will be strictly adhered to all precautions will be taken to ensure the safety of working personnel, visitors and the general public. All relevant COSHH regulations will also be enforced. Manual handling regulations will be implemented.

3. FIRE PRECAUTIONS

All fire precautions will be taken, and fire checks made at the end of each working day, before personnel leave the site. Hose points will be set up within easy reach of the works and fire extinguishers will be supplied. The hose points will also be utilised to provide water for the control of dust emission from the works.

4. HAZARDOUS MATERIALS

All asbestos containing materials have been removed by others prior to us commencing works. We would need to see sight of any clearance and waste disposal certificates prior to commencing works.

5. SERVICES

Before demolition commences, all services will be isolated at the meter heads by our independent M&E engineers. The gas pipe will be purged throughout the building and certification will be obtained prior to any demolition works commencing. The demolition will be able to commence once this has been completed as the service meter heads are located within the substation and building. An application will been made by the client to the statutory authorities to have the services isolated off site/footprint of the building, once this has been completed the remainder of the corner of the building can be demolished.

The water will be isolated at the nearest stop cock for utilisation during the demolition works.

All AC units will be decommissioned and degased

6. ACCESS AND FREQUENCY OF SITE TRAFFIC

Access for personnel and vehicles will be via the existing entrance to the rear of the site off the entrabce on Kilburn High Road.. Traffic movements will be under the guidance of a qualified banksman.

The frequency of the site traffic will be set to a minimum. All resultant rubbish will be taken off site for recycling and any additional asbestos will be taken to a licensed landfill.

Site transport: various 3 tonne lorries, Vans and cars. 2 x 45 days = 90 no.

Plant delivery: low loader, 40 tonne = 4 no.

Material clearance: Lorries from site 30 tonne = 5 no.

7. SECURITY & SAFETY

Initially Heras (GS7) fencing will be erected to secure the site, this will be specifically erected to the park elevation prior to the erection of hoarding. Once all licenses are in place the hoarding will be erected on

the park elevation approximately 3m off the site boundary. The remainder of the site will be secured by the existing site boundary brick walls.

Height restriction and warning signs will be erected identifying any overhead power lines.

Only personnel employed for the works will be allowed inside the working area for the duration of the contract, unless an appointment has been made with the Foreman on site or at the office.

The use of electrically operated hand tools may be required. These will be hired for the specific job and will be classed as mobile equipment. Therefore, certificates of tests are required, copies to be issued to Planning Supervisor and a further copy to be held on file in the site office. All Certification for electric tools must be monitored weekly.

PERSONAL PROTECTIVE EQUIPMENT

FOOT PROTECTION	must be worn, in this case safety boots incorporating a steel toe cap.
HAND PROTECTION	Gloves are to be worn when dealing with metals, masonry, brick work or glass.
EYE PROTECTION	Goggles are to be worn during all cutting operations using flame or abrasive cutting wheels and breaking out, also Operatives using pneumatic equipment.
HEAD PROTECTION	Hard hats to be worn at all times whilst within the site boundaries unless otherwise specified in the method statement, whilst in the welfare or operating any plant with FOPS there will no requirement for head protection also.
VISUAL PROTECTION	HI Visibility vests will be worn at all times whilst within the site boundaries and acting as banksmen on the public highway.

All site safety rules will be displayed and adhered to.

Displayed in the site accommodation will be all appropriate site safety rules, visitors' rules and supportive health and safety documentation.

A stock of all P.P.E. will be available for replacement on demand.

At the start of all demolition contracts the Operatives attend an induction course for the project.

Tool Box Talks will be held during the contract.

8. **ENVIRONMENTAL CONTROLS**

All substances hazardous to health, used or created on site, must be assessed. Manufacturers' materials brought on to site must have a product safety data sheet whereby the materials can be assessed. Copies of assessment and data sheets will be issued and a copy kept on file in the site office.

DUST: There could be a small amount of dust created, action to be taken:-

1. All Operatives working or creating dust must wear appropriate P.P.E. i.e. disposable dust masks and gloves.

2. Water will be used to spray materials whilst loading

FUEL: To be brought to site in drums as required and if required a bunded bowser will be used on site where required.

NOISE CONTROL

Noise levels on the site will be within the limits laid down by the Noise at Work Regulations 2005.

We do not consider the noise level at the site boundary will go above 80 db. If this does happen the company will change its method of working.

The local council will monitor this and, if necessary, issue a Section 60 for noisy working.

Site Management will be responsible for checking noise levels each working day and records kept.

SITE ESTABLISHMENT

Site working hours will be:-
08.00 – 17.30 Monday – Friday
08.00 – 13.00 Saturday
Others by arrangement

All site personnel will attend an induction meeting shortly after arriving on site. The induction meeting will be to discuss the project to hand, and to make all operatives aware of the following:-

Health & Safety
Security

Noise and Vibrations

Hot Works Permits

Approximate Material recycled

Off site = 200 tonnes of mixed waste, wood, and steel
On site = 3500 tonnes of hard core and concrete.

Approximate material sent to landfill

0.5 tonnes of asbestos waste
4 tonnes of mixed waste

Plant on site

1 no. 45 tonne excavator
1 no. 40 tonne Crusher
2 no. 20 tonne excavators
1 no. Loading shovel
1 no. skid steer loader
Scissors lifts.
Pneumatic hand tools.

9. METHOD OF DEMOLITION

Scaffolding will be erected to the following party wall elevations. The Electrical service shaft elevation and residential flat to the south east elevation. All party wall awards a licenses will be in place prior to the erection of this.

SOFT STRIP TO THE BUILDINGS

General Strip Out

This will be carried out prior to the main structural demolition and will be managed and phased in accordance with the asbestos removal, all asbestos items will be marked with warning label or paint and operatives briefed of its location.

The materials will be removed from these buildings into skips and lorries.

1. All carpet and floor coverings will be lifted by hand and removed.

2. The partitions and doors will be removed by use of demolition hand tools. Where the material is too large to handle, it will be reduced in size before removal.

3. All glass screens will be laid on the floor and broken prior to removal. Operatives not required when operations are being carried out must leave to avoid the possibility of flying splinters. Operatives carrying out the breaking out must wear P.P.E. eye protection and gloves.

4. The ceiling tiles will be removed whole, any broken tiles will be loaded into containers prior to removal.

   Whilst carrying out the operations, operatives will work from access towers. If the work platform is 2m or greater, it will have to contain a guard rail and toe guards and be recorded in a scaffold register.

5. All pipework and services are to be removed. These will be removed by operatives using angle grinders or oxy burning equipment. The burning equipment must be fitted with flash back

arrestors and a fire extinguisher must be placed close to or as near as possible to the cutting area. A fire watcher must be on hand to tackle any problem that may occur. Burning operatives must wear eye protection at all times while working.

As each floor has been stripped out, operatives will be able to remove the materials from the building via the existing windows to the rear of the building into designated drop zones inside the rear section of building this will then be moved internally and taken to the demolished rear section of building via skid steer loaders where it will then be loaded into rubbish skip/bins and taken off site for recycling.

As the soft strip progresses the asbestos works can be phased in alongside.

DEMOLITION OF PORTAL FRAMED BUILDING

A 45 tonne 360^{o} excavator fitted with a concrete pulveriser or shear will demolish the concrete/steel frame structure one bay at a time working first on the roof trusses continuing down to the steel/concrete stanchions andbrick piers. All resultant material will be allowed to fall on to the ground floor slab, where it will be processed further before removal from site. On areas where the excavator cannot mechanically remove the steel work without causing damage to adjoining structures, the excavator will be placed next to the section of steel that is going to be cut and holding the steelwork in place with a pulveriser or grapple. Operatives working from scissor lifts or towers will form a sit cut in the steel, the steel will then fall to the floor with the extra assisted guidance of the excavator. This will be continued through the entire portal frame structure starting at the top and working to the ground in a reverse order to erection. Any elevation attached to party wall elevations will be demolished by hand demolition. This will be carried out by operatives working from access towers using hand demolition tools carefully demolishing the structure away from the party wall. This works will be carried out prior to ant demolition of the attached structure.

This process will be repeated along the length of the buildings.

The columns to the building are to be removed flush to the ground floor slab.

As works progress the materials will be sorted for removal, any hardcore will be stockpiled on the area of demolition and will be used as a mat to sit the excavator to gain extra height for the works.

DEMOLITION OF MAIN BUILIDING RUNNING THE LENGTH OF THE PARK ELEVATION

Scaffolding will be erected to the electrical shaft elevation and residential elevation to the south east. By working of the existing structure and scaffolding hand demolition will be carried out to isolate the buildings from the structure that is to be demolished. Small hand demolition tools will be used for this process. As the demolition progresses down, the residential structure to the south east elevation will have polythene weather proofing fitted as required.

Once this is complete mechanical demolition can progress via the use of 20/30 tonne excavators fitted with concrete pulverizes and demolition attachments. Banksmen will be placed in the park elevation as required to oversee this elevation of the works. The excavators will commence the demolition of the buildings from the roof elevation in the reverse order of construction maintaining the overall structural integrity of the building during the works. The demolition of the works will continue down to ground floor level, processing the resultant materials as the work progresses.

10. GROUNDWORKS

Slab and foundation removal

The slab to the buildings and hard standing will be scanned using a CAT scan and the service drawing will be referred to.

An IPH Breaker will be fitted to a 20 or 30 tonne excavator, the slab and hard standing will be broken up in sections and lifted by the excavator bucket.

Where required diamond floor sawing will be carried out the any party wall elevations where the slab cannot be lifted without undermining the adjacent structure.

Where any foundation will also compromise the stability of the adjacent structure this will be left in.

All drainage leaving the site is to be blocked off at the nearest manhole.

The above resultant demolition material will be loaded into a 40 tonne crusher on site and crushed to a 6f2 specification. This will be stock piled in the designated area.

11. FENCING WORKS

Erection of hoarding

The Hoarding line will be marked on the site side. The area where the hoarding is to be erected will be CAT scanned and reference to the drawing will be made to locate any underground services, in addition to this a permit to work process will be adhered to.

500 x 500 mm holes will be dug using hand/mechanical and pneumatic tools. The posts will be installed into the holes concrete will be poured into the holes and the posts will be levelled. The posts will then be allowed to cure the remainder of the hoarding will be nailed into place and painted in accordance with the specification

11. COMPLETION

Upon completion of the demolition the site will be left in a clean, level and tidy condition. Any drops or voids will be levelled out and/or have hardcore ramps built up against it.

This Method Statement does not take into account any unforeseen problems that might arise during the course of the demolition works, and therefore, we reserve the right to adapt or alter our method of working to suit any difficulties that may occur.

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PAUL HUNT.
MANAGING DIRECTOR