

SHORTS

DEMOLITION



SAFE SYSTEM OF WORK INCORPORATING DEMOLITION METHOD STATEMENT & RISK ASSESSMENTS.



PROJECT:	3-5 craven Rd, Reading	
SD CLIENT:	EDTS	
PRINCIPLE CONTRACTOR:	Shorts Demolition	
DOCUMENT No:	SD/DEM/17007	
REVISION:	-	
DATE:	29.03.2017	
Prepared By;	Checked By:	Site Handover
Aaron Malin Senior Demolition Surveyor		Demolition Supervisor
Date	Date	Date
Signature	Signature	Signature

*This Method Statement has been produced in accordance with **BS6187:2011 Code of Practice for Demolition and Part 4: Regulation 20 of CDM Regulations 2015**, the information contained herein are to be complied with by all Site Personnel. This Method Statement is classed as a live document and information may be changed or added as the works progress*

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APPENDIX A:

Risk Assessments

1. PROJECT DESCRIPTION

Shorts Demolition (SD) have been awarded the contract by EDTS and are acting as Principal Contractor to demolish existing Detached bungalow situated off of Craven Rd, Reading. The main structures to be removed are traditionally built consisting of a tiled pitched roofs with brick and block built walls, timber floors and concrete substructure foundation.

SD will act as Principal Contractor for the demolition works and will have permanent Site Management who will conduct the initial site / welfare inductions and will be responsible for all site matters.

Every precaution is to be taken to ensure that the occupants of the nearby places of work are given no reason to complain about the works. The nearby residence are to be kept generally informed about the operations and there should be no hindrance to their access occasioned by the works.

As with all SD demolition projects the protection requirements and controls for noise, vibration and dust will be in force and of a high priority not only for the effects on our workforce but also for Residents and general public. In order to manage the levels of dust from the process a combination of fine jet water sprays and fire hoses will be used supplied by pumps from an existing water source. Full details of measures being implemented are described in this document.

SD will display adequate signage to the work that is being carried out and to secure the site. Any noisy work must be planned to be carried out between the hours of 08:00 – 17:30 Monday to Friday, 08:00 – 12:30 Saturdays. No site works will be carried on Sundays or Bank Holidays.

Demolition Notice (Section 81) to be issued by SD. HSE Notification (F10) N/A

2. SCOPE / SEQUENCE OF WORKS

3 Craven Road - Demolish to ground level only

5 Craven Road - Demolish to ground level only

Prefabricated Buildings - Demolish to ground level only

Allow to scaffold 5 Craven Road to take down tall chimneys and protect neighbouring land.

Provide hoarding to front and side elevations, Herras fence lower wall to rear.

Provide air lock type gate to allow heavy vehicles easy access off road for entry into site.

On completion of works leave site clean tidy and safe.

2.1 DURATION OF WORKS: The works shall commence on w/c TBC
The works shall complete in **3 weeks**.

3. SITE DETAILS

3.1 ACCESS/EGRESS:

Vehicular movements to and from the site will be coordinated to ensure minimum disruption to other road users and neighboring occupiers. Current vehicular and pedestrian access to the site is from **Craven Rd, Reading** as signposted and will be restricted to the following:



WORKING HOURS:

08:00-17:30 hrs Monday to Friday
08:00-12:30 hrs Saturday

RESTRICTIONS DELIVERY TO SITE BETWEEN THE HOURS OF:

~~08:00-16:30 hrs~~ Monday to Friday
9.30am -16.00pm

3.2 WELFARE:

Welfare arrangements will be provided by SD in compliance with the CDM Regulations 2015:

Site Welfare Vehicle Unit consisting of the following:

- (a) A source of clean drinking water
- (b) Washing facility.
- (c) A first aid box (which will be kept in the welfare vehicle).
- (d) Sufficient and suitable fire-fighting equipment.
- (e) A heated drying area.
- (f) Rest Facilities including seating, table, hot water microwave oven etc.
- (g) **Separate chemical Toilet Cubicle will also be provided.**



3.3 SITE SET UP

- Once entering the confines of the site all personnel and visitors must report to the SD Site Management and sign in before access will be given to working area.
- SD Site Management to carry out all Site Inductions.
- SD Site Management to carry out pre start meeting and ensure all SD personnel have understood and signed this Method Statement.
- SD to erect suitable barrier for buffer zone.
- All access to any demolition work area, except the designated access and egress point will be physically sealed up and secured via the installation of suitable heras fencing, prior to work commencing. Warning notices will also be applied.
- Warning signage will be attached stating:



- Where there is a risk of a person falling into an open edge or void, suitable and sufficient control measures shall be implemented to eliminate or adequately control the risk by installing edge protection. It is also a requirement that any person approaching a leading edge or void to install edge protection wears a safety harness fitted with fall restraint lanyard secured to a fixed point, to prevent the risk of falling whilst carrying out an operation.
- Access to any demolition area, particularly where mechanical plant is carrying out demolition works, will be strictly controlled by a devised safe system of work. This will be fully explained to all site employees,

including the dangers of unauthorised entry to such areas, as part of a Toolbox Talk given by SD Site Management or visiting Safety Consultant. All employees will then sign the Safety Talks Register to indicate that they have been advised of the method of access.

- SD Site Management shall maintain overall control of who will be allowed access to any demolition area or other area of risk. No other person shall give that authorisation.
- Where mechanical plant is carrying out demolition works these fenced off/secured areas will also be under the supervision of a designated competent person in visual contact with the plant operators.
- All Plant will be transported to site by suitable Low-Loader. All plant will be unloaded within site compound where possible.
- SD to appoint designated Qualified Banksman to control all vehicle movements entering and exiting the site.
- All Tipper & Waste Haulage Lorries will be sheeted prior to leaving site to prevent spillage.
- All Plant and Vehicles to enter and exit in forward gear where possible.
- No loading / unloading will be undertaken on the Public Highway at **Any time.**
- No plant or waste materials will be stored on the Public Highway at **Any time.**
- Plant and Tools: All plant required to carry out works when not in use will be securely locked, guards attached and housed within secure site compound, hand tools when not in use will be housed within a lockable steel container or works vehicle.
- SD to supply road cleaning and sweeping facilities as required maintaining the cleanliness of the roads during and on completion of works.
- Internal site traffic movement plan to be issued by SD and updated as the works progress. (Not required on this project).
- Parking in adjacent road is not permitted, parking for all SD operatives and visitors will be within site compound.
- SD to make sure access to neighbouring properties is made available at all times.
- Condition surveys will be carried out by SD Demolition Site Manager to confirm the status of all services entering the site, all disused foul and rainwater drainage connections will be sealed at the boundaries to prevent contamination, all redundant drainage to be removed unless stated otherwise by client.
- SD to record by digital camera, condition of adjacent roads, fencing etc. prior to, during and on completion of our works.
- Burning of any materials are strictly prohibited on site.

3.4 DEMOLITION AREA SITE PLAN.
N/A



3.5 HOARDING

- To prevent unauthorised access to the site hoarding will be supplied and erected around the demolition site boundary by independent appointed company. The fencing will be posted with suitable and sufficient pictorial safety signage posted onto it warning of the hazards within.



3.6 TREE PROTECTION.

- ~~N/A~~
See tpp plan and tree protection information from Ian Keen Ltd.



3.7 SCAFFOLDING.

- ~~N/A~~
See plan scaffolding required to parts of 5 Craven Road



3.7 HERAS FENCING

- ~~N/A~~
See plan showing fencing/protection.

4. ASBESTOS/HAZARDOUS MATERIALS

4.1 ASBESTOS



- A full Demolition Asbestos Survey will be undertaken by UKAS accredited Surveyors prior to start of works. All identified Asbestos Containing Material will be removed by an appointed licenced removal company who will issue their own SSoW.
- SD will also carry out an additional visual inspection to positively rule out the presence of ACMs prior to deconstruction works. Should any suspect material be discovered, SD Site Management shall cease work in the area, cordon it off and immediately inform management who will advise the correct course of action to take.
- In the event of anyone being exposed to Asbestos. The person/s exposed are to remain where they are. The site management is to be notified and the emergency

exposure pack (containing 2 x coveralls 2 x disposable mask and 2 x asbestos bag & duct tape) is to be handed to the person/s that are contaminated and they are to decontaminate and dispose of all clothing as contaminated waste. There area is to then be sealed of as far as reasonably practical and reported to management straight away.

- All SD operatives involved in the project have attended and passed an accredited UKATA Operatives One Day Training Course Category B for the removal of Non-Licensed Asbestos which also includes Asbestos Awareness

4.2 HAZARDOUS WASTE (EXCLUDING ASBESTOS)



- All waste/ materials that are deemed as Hazardous to dispose of will be removed from the building(s) during the soft strip works and placed in a cordoned off area designated as 'Hazardous Waste/ Materials'.
- For disposal of Hazardous Waste/ Materials refer to SD Housekeeping and Waste Strategy (Further details set out within Chapter 11 of this document).

- Below are examples of commonly found Hazardous Waste/ Materials, this is not an exhaustive list:-
 - Plasterboard and gypsum based materials
 - Fluorescent lamps
 - Electrical equipment
 - Fire extinguishers
 - Fire detectors
 - Fridges/ freezers and other Ozone depleting substances
 - Oils (except edible ones)
 - Chemicals
 - Batteries

5. WORK AREA EXISTING SERVICES

- Client to isolate/divert services at the boundary of our working area only prior to site works to enable works to commence:
- **WATER:** Client to supply temporary Standpipe.
- **GAS:** Client to disconnect at Boundary of Site.
- **ELECTRIC:** Client to disconnect at Boundary of Site.
- **DRAINAGE:** SD to cap & seal at the boundary of site, all redundant underground drainage to be removed as per Client instruction.
- **AHUs:** N/A

Prior to Demolition: SD Site Manager to obtain written confirmation certification from Client that all relevant service supplies have been terminated at the boundary of site prior to any demolition works commencing.

<u>STOP</u>	Client to Confirm that all services have been terminated back to the boundary and written confirmation has been issued to SD Management .	HOLD POINT
	Name..... Signature..... Date.....	

<u>STOP</u>	We confirm that written confirmation of service termination back to the boundary has been received from the Client and that the termination point has been visually checked. SD Site Management:	HOLD POINT
	Name..... Signature..... Date.....	

NO written confirmation NO works commencement

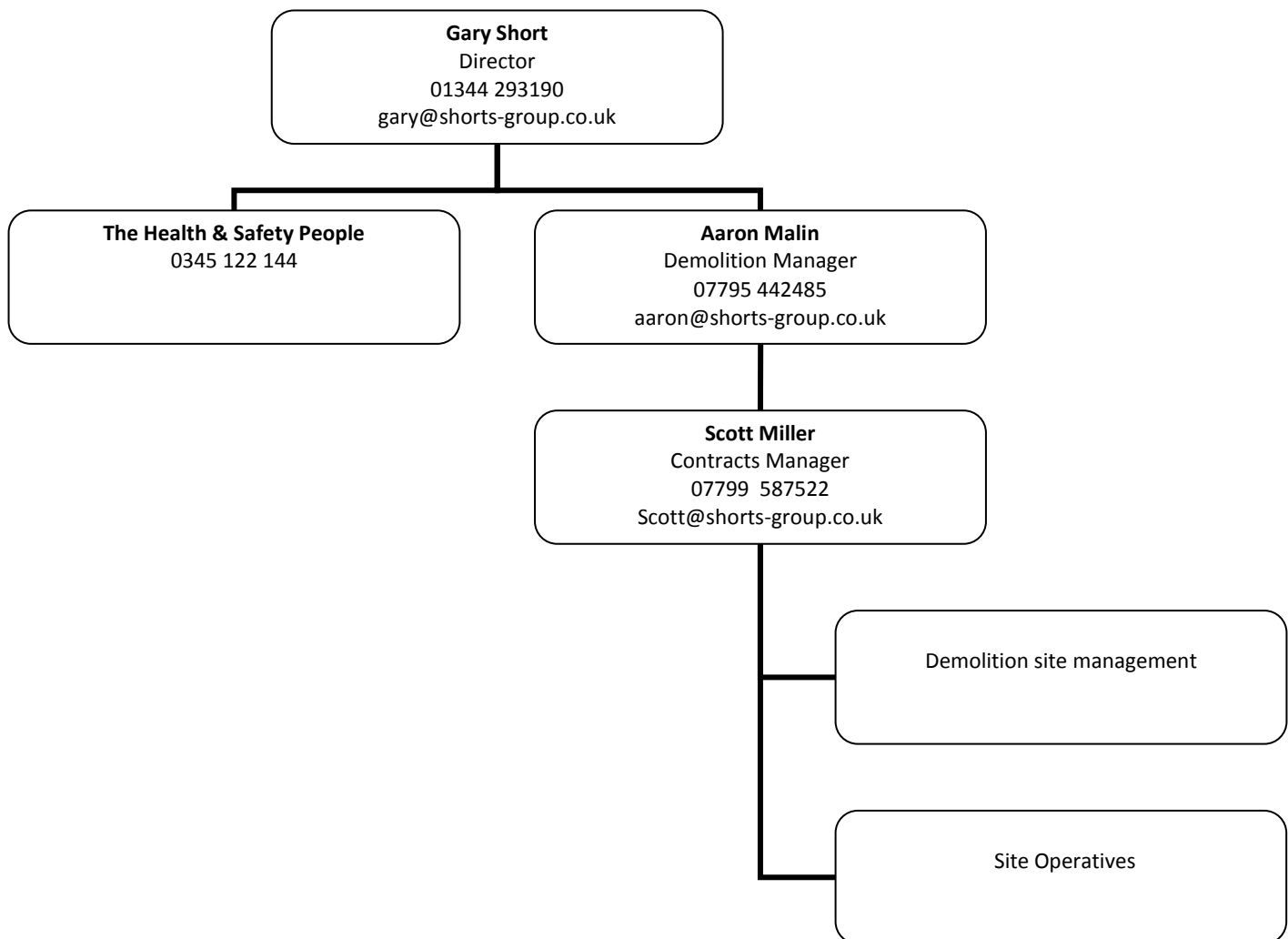
- Prior to the commencement of work on site, SD Site Management will also identify the location of all existing incoming live services, in conjunction with provided information to confirm all non-required services are terminated or isolated back at the incoming main/site boundary. If remaining Services are found to be live SD representative to Inform Client.
- SD will carry out works in accordance with **HS(G) 47 'Avoiding Danger from Underground Services'**

6. PLANT/EQUIPMENT USED:

- 10-48t 360° Excavators with bucket/demolition attachments secured by location pins and locking nuts.
- 8 Wheeled Tipper Lorries.
- All test/examination certification required will be issued to Client prior to works commencing and copy will be available within site file or within Plant.
- All Plant will be transported to site by suitable Low-Loader and will be unloaded within site boundary.
- Double Skinned fuel bowser with spill kit placed within a secured fenced area.

7. SITE SAFETY MANAGEMENT & RESPONSIBILITIES/PROJECT CONTACTS:

- SD will provide a suitably trained and experienced Site Supervisor/Manager for all works undertaken. Who will:
 1. Understand and comply with the company Health & Safety Policy and ensure all operatives under their control do so as well.
 2. Be conversant with statutory regulations and the contents of the job specific documents including, Risk Assessments, COSHH Assessments, and this Method Statement together with any documents issued by the Client. They will ensure that all operatives under their control also understand the contents of these documents.
 3. Ensure all works are carried out in accordance with the clients' requirements, to agreed standards and at minimum risk to all parties.
- SD Site Management will carry out site specific induction and ensure that all operatives have read, understood and signed this statement.
- As the works progress all site employees will attend regular toolbox talks given by the SD Site Management or Safety Consultant on various site specific subjects and activities. All operatives receiving the Toolbox Talks will be required to sign a form indicating their attendance.
- SD Site Management will hold informal daily pre-start talks with the Demolition site operatives to ensure they are aware of the days' work to be undertaken and the different areas that these works are carried out in.
- SD Site Management will also liaise with the Client on a daily/regular basis to provide an update on.



7.1 SD CLIENT

EDTS

Berkshire Healthcare NHS Trust

St Marks Hospital

St Marks Road

Maidenhead

SL6 6DU

7.2 QUANTITY SURVEYOR

N/A

7.3 PRINCIPAL DESIGNER

TBC

7.3 PRINCIPAL CONTRACTOR

Shorts Demolition.

London Road

Bracknell

RG12 2UT.

01344 624572

7.4 HSE OFFICE

Priestley House

Priestley Road

Basingstoke

RG24 9NW

7.5 EMERGENCY ARRANGEMENTS



- **Action in the event of a fire or explosion.**
Assembly Muster point: As per SD site Induction



- **Action in the event of an accident**
SD Site Management will appoint First Aiders during site set up and induction

- All accidents on site must be reported even if no medical attention is given; to include visitors to the site and delivery drivers etc. The Site Manager shall use the Accident Reporting Procedure accordingly, advising SD's Health & Safety Manager/Advisor where appropriate so that we are compliant with RIDDOR 2013. The Site Manager will oversee all entries made in the Site Accident Log which will be kept in the site file.
- The person discovering the accident will raise the alarm of the nearest air-operated horn or by use of mobile telephones.
- In the event of an incident/accident, all personnel will assemble at their designated assembly point, if a warning signal is given.
- SD & Safety Co-ordinator will check the total headcount and if necessary mobilise an emergency rescue team to look for unaccounted persons. This will only be brought into operation once the risks of further accidents have been assessed and it is considered safe to enter the working zone.
- SD Site Health & Safety Co-ordinator will then determine the nature of the situation and any possible casualties and telephone the emergency services as required (999) i.e. fire/ambulance to attend site.
- SD Site Health & Safety Co-ordinator shall arrange a safe access and egress for emergency vehicles to the scene of the accident. He/she will then inform pertinent the SD Personnel as detailed in the Accident Reporting Procedure together with the Client.
- Following an accident or dangerous occurrence a complete investigation will then be carried out by the specialist along with SD which would be conducted in accordance with the procedures highlighted in RIDDOR 2013. The HSE will be informed using the appropriate F2508 form and using the Incident Contact Centre Website.



- **Nearest Hospital with A & E:**
Royal Berkshire
Craven Rd
Reading
Berkshire
RG1 5AN

Emergency (Tel): 999

8. TRAINING CERTIFICATION:

- All SD operatives involved in the project have attended and passed an accredited UKATA Operatives One Day Training Course Category B for the removal of Non-Licensed Asbestos which also includes Asbestos Awareness.
- All operatives carry certificates of competence in their respective skills and regularly partake in safety awareness and routine training.
- All SD demolition operatives have taken the CSCS Touch Screen Health & Safety Test and have relevant CCDO Demolition Operative Scheme card for their grade and will carry their cards at all times.
- All SD plant operatives hold CSCS Touch Screen Health & Safety Test and have relevant CPC/NPORS plant card for plant operated and have also enrolled on CCDO Demolition Operative Scheme and will carry their cards at all times.
- All training certification, for plant and equipment operators, will be issued prior to works commencing.

9. PPE:



On this project SD Operatives will wear at all times a minimum of:

- | | |
|---------------------------------------|--------------|
| • Protective Helmet | EN397 |
| • High Visibility vest/Jackets | EN471 |
| • Safety Boots | EN345 |

TASK SPECIFIC:

- Safety Goggles, EN166B (Grade 1)
- Gloves EN420
- Coveralls, steel toecap wellington boots, face filter masks/gas cutting RPE (EN149 2001(P2 &P3), ear muffs (EN 353), safety harnesses, fall arrest systems etc. will be worn as appropriate to the tasks undertaken (please refer to Site Rules)
- Job specific items i.e. hot cutting gauntlets, chainsaw protection will be issued as required
- The company's Construction Manager will inspect all PPE and re-issue if deemed sub-standard. All re-issue of PPE will be documented within the site safety folder, inclusive of any task specific PPE, RPE as per the risk assessments

10. ENVIRONMENTAL CONSIDERATIONS

10.1 NOISE STRATEGY

- Under the Control of Pollution Act 1974, Part 3, Environmental Protection Act of 1990 and the Control of Noise at Work Regulations 2005, noise is a recognized form of pollution and as such can be classified as a nuisance. The Control of Noise (Codes of Practice for Construction and Open Site) Order 1984 gives legal approval for BS 5228, parts 1 & 2, 1997. This provides information on noise and noise control on construction and demolition sites.
- SD Plant and Machinery are fitted with engines compliant with EU Stage 3 emission regulations. In addition all exhaust gases are mixed with intake air to reduce particle matter (PM) and Nitrogen (NOx) emissions
- Every attempt shall be made to control/minimize noise at source. We envisage during the works noise levels of >80db for distance of 5m using data from previous projects of this nature.
- SD operatives working on demolition sites (particularly those near dwellings) will take all reasonably practicable steps to minimize the noise generated on the site and thereby avoid a Local Authority Notice (under Section 60 of the Control of Pollution Act 1974) being served.
- On site where construction or demolition works is in progress contractors have a responsibility to see that activities are carried out in the quietest practicable manner. Where noisy activities are unavoidable the disturbance will be minimized/attenuated by choice of technique, timing, shielding or protection as appropriate.
- On all moving plant, noise levels will be minimized by being vigilant on points such as:-
 - Stopping rattles (e.g.: by tightening covers etc.).
 - Throttling down engine when idling.
 - Fitting engine covers and keeping them closed.
 - Keeping tools sharp to lessen frictional noise.
 - Not dropping items, e.g.: into skips, unnecessarily.
- If noise levels are still unacceptable high and no reasonably practicable alternative is available, JMR operatives and contractors will use methods such as:-
 - Screening, e.g.: by earth banks.
 - Silencing, e.g.: by fitting silencers, mufflers, shield enclosures or barriers.
 - Distancing the activity from occupied premises.
 - Work to be carried in series of short durations.
 - Noise Monitoring at Boundary
- Where any person is liable to be exposed to noise levels greater than 80-85 dB (A), they will be informed and provided with suitable ear protection. The most likely protection, in ascending order of attenuation is ear plugs, ear muffs and noise attenuation helmets.
- Noise will be kept to a minimum at all times and any further restrictions imposed under the terms of the contract will be strictly adhered to.
- *(Refer to Noise Exposure Levels Daily & Weekly included in the Site Folder)*
- **Vibration:** All slabs/sub-structures to be removed using a 360 excavator with a tooth bucket attachment, hydraulic impact breakers will only be used as a last resort.



10.2 DUST STRATEGY

- A range of measures will be employed to minimize the creation and spread of dust arising from this work in accordance with Environmental Protection Act 1990.
All vehicles will be inspected and any dirt/debris removed before leaving site.
All Lorries and roll on/off bins will use cover sheets to prevent accidental spillages.
The method of demolition will include retention of outside walls for as long as possible to assist in containing any arising dust to within the existing building footprint.
Throughout the demolition, hoses with fine mist hand sprays will be located close to the work area and used first to dampen down the area generally, then onto the demolition arising's as works proceeds and also directed at any airborne dust particles.

10.3 GROUND CONTAMINATION

- The availability of spill kits on site; training in the use of transfer of fuel; Drip trays beneath static machinery i.e. generators – This will control or contain any spillages or possible fuel or hydraulic oil leaks from plant and equipment.
- Ensure plant, machinery and vehicles are well maintained to prevent leaks – This will reduce the risk of possible ground contamination.
- Ensure that substances are stored in a secured bunded area – This will prevent any ground contamination from any possible leakages. Spill kits will be made available adjacent to substances.

11. HOUSEKEEPING AND WASTE REMOVAL STRATEGY

- Prior to commencing work on site, SD will carry out a Pre-Demolition Waste Stream Analysis to identify the type and quantity of waste material that will be generated. Once the type and quantity of waste has been identified it will be possible to work out the best options for its disposal. I.e. will this material be reused, recycled or, as a last resort, be disposed of via a licensed landfill facility.

All relevant certificates and permits required for disposal to be issued prior to site works. The various waste streams will be strictly monitored and waste haulage/transfer consignment notes, confirming the disposal method and amounts will be issued to client on completion of works the disposal as procedure as follows:



- i. Brick, block and concrete will be removed to a suitable transfer station for recycling.
 - ii. Suitable timber will be loaded away to our transfer station, from where it will be chipped or reclaimed for re-use.
 - iii. All metal will be removed from site and taken to a re-cycling centre for processing.
 - iv. All other material will be loaded onto Roll On/Off bins and taken to a licensed landfill facility.
 - v. Hazardous Waste to be disposed of under the Hazardous Waste Regulations (England and Wales) 2005
- SD will provide a written description of the waste that will enable anyone receiving it to dispose of it or handle it in accordance with their Duty of Care. The written description is called a waste transfer note or duty of care note. **Both parties must keep a copy of this transfer note for two years.**

A Waste Transfer Note must have the following information:

A written description of the waste. The description must be detailed and accurate enough for the person you pass the waste onto to be able to handle the waste safely and appropriately and to ensure that the waste is disposed or recovered at a site authorized to accept it.

The correct 6 figure waste code*.

For example 17 06 05 Construction materials containing asbestos e.g. bonded asbestos

The quantity and what sort of containers it is in;

The time and date when the waste was transferred;

The address where the transfer took place;

The names and addresses of both persons involved in the transfer;

And the certificate number of the registered waste carrier (e.g.ABC/123456).

12. METHOD OF DEMOLITION

12.1 PRE-COMMENCEMENT

1. SD Site Management to brief all staff.
2. Read and discuss SSoW & Assess Risks.
3. Carry out Toolbox Talk if required.
4. Set suitable Heras Security Fencing safety zones with warning signage attached.
5. Complete Site Management Check List Sheet daily on completion of shift.

12.2 INTERNAL SOFT STRIP WORKS:

1. Prior to the commencement of soft stripping, a suitable **Exclusion Zone** will be set up to the rear of the building using Heras fencing with signage indicating it is an exclusion zone. This will be the area designated for waste materials and metal recyclable materials.
2. Operatives will carry out Soft strip of all the building interiors working on a room by room basis using appropriate hand tools to remove any remaining items of carpets, suspended ceilings, fixtures and fittings, timber skirting's, doors and frames will be stockpiled for removing on completion of all soft strip works. Site Supervisor will identify items, assess and apply correct lifting measures required prior to soft strip and record on Manual Handling Risk Assessment.
Access to above ground work areas will be achieved using one or more of the following safe means of access in following order as appropriate:
 - 1) Approved Mobile Alloy Tower Scaffold
 - 2) Suitable Approved Podium.



Suitable Fire Extinguishers/Fire Warning System will be sited within building as strip-out works are carried out.

3. 360° Excavator will then be deployed to periodically enter the exclusion zone and process the arising's, sort and ensure they are placed within suitable containers using a demolition grab attachment.
4. When the containers are full they will be removed from site and disposed of in accordance with SD Housekeeping & Waste Strategy.

12.3 SUPER STRUCTURE REMOTE DEMOLITION:

1. Following a site visit to ascertain logistics and method of works it has been decided that the buildings will be demolished by hand & remote means using a 360 Demolition Spec Excavator fitted with suitable hydraulic rotating demolition attachment.

Please take note of TPP plan for tree protection and technical note 001

2. Excavator operative who will be experienced and competent in this type of work and who will hold a current CPCS/NPORS Plant Operators ticket will proceed to demolish the structure.

The demolition is to be commence with mobile building to the rear and following on from that the main building also from the rear.

3. ~~Working in from the front of the site e.g. the site entrance and using a demolition spec 360 degree excavator fitted with hydraulic rotating grab attachment will commence.~~ The structure will be demolished in accordance with BS6187 Demolition Code of Practice 2012. As per demolition sequence plan below:
4. The operator of the Excavator will position the jaws of the demolition attachment around the roof of the structure and starting from front section of the structure working progressively inwards will proceed to demolish the structure in sequence.
5. The structures will then be systematically demolished, working always from top to bottom maintaining the structural stability of the buildings.
4. Concrete and Hardcore debris generated will be moved from the immediate working area via an excavator fitted with a grab or bucket attachment and stockpiled in a pre-determined area in readiness for removal from site.
6. At the end of each shift the SD Site Management will ensure that the remaining structure and immediate working area is left in a safe, clean and structurally stable condition.
7. Excavator will then be deployed to load remaining arising's within suitable recycling containers using a suitable grab or bucket attachment. When the Lorries are full they will be removed from site in accordance with SD traffic management plan and disposed of in accordance with SD Housekeeping & Waste Strategy.
8. **Note:** Hoses with fine mist hand sprays will be located close to the work area and used by Demolition Operatives to also dampen down the arisings prior to loading. This ensures that the most effective dust suppression is being achieved at the point at which it is being produced

9. Ensure protection of all trees as TPP plan specifically protecting the pine and apple trees to no. 5 Craven Road.

12.4 REMOVAL OF SUB-STRUCTURES: Including Floor Slabs & Foundations

The ground floor slab and foundations are to remain until the use for the site has been established and may only then be removed by agreed method with the LOCAL AUTHORITY.

1. ~~Once the ground floor slabs has been cleared of demolition debris it will allow the ground floor slab, foundations and redundant drainage to be broken out and removed.~~

STOP	Prior to commencement SD Site Foreman will issue a "Permit to Dig" to enable the permit to be signed off and ready for work it will require that all service drawings if applicable are studied and a CAT scan of the area is to be undertaken to ensure that no live or hidden services are present below the slab in line with the requirements of HSG47.		HOLD POINT
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2. ~~360 excavator fitted with toothed bucket will then be used to break the ground floor slab.~~
3. ~~The slab once fully broken will be lifted by excavator fitted with toothed bucket and stockpiled adjacent to the footprint of the ground floor slab.~~
4. ~~Once the ground floor slab has been cleared, excavator with bucket will systematically excavate and expose, foundations and all redundant drainage.~~
5. ~~The foundations and redundant drainage will then be excavated using toothed bucket and stockpiled adjacent to the footprint.~~ As the foundations are to remain redundant drainage is to be capped only with suitable materials
6. ~~Concrete generated will be moved from the immediate working area via a 360 excavator fitted with a grab or bucket attachment and stockpiled in a pre determined area in readiness for removal in 8 wheel tipper Lorries.~~ Any basements are to be backfilled with suitable material all as item 7 below.
7. The resultant void created by the removal of the ground floor slab etc. will be progressively backfilled, levelled, graded and made safe using existing spoil.
8. On Completion of all site works SD will:
 - a) Leave Site, Clean, Tidy & Safe.
 - b) Obtain signature from Client on Completion of Works Certificate.
 - c) Remove all Plant, Equipment, Temporary Fencing and Signage from site.

Note: SD will endeavour to remove all sub-structures using toothed bucket attachment, however should the sub-structures require breaking out SD will re-assess and has a last resort use hydraulic impact breaker fitted to a 360 excavator. SD will follow all relevant LA guidelines concerning the environmental impact i.e. noise & dust etc.

Note: Hoses with fine mist hand sprays will be located close to the work area and used by Demolition Operatives to also dampen down the arisings prior to loading. This ensures that the most effective dust suppression is being achieved at the point at which it is being produced

**Safe System of Work
For
All Demolition Works**

Record No. SD/DEM/17007

Site Management:

Attendees

	Name	Signature I have understood this method statement and will not deviate from it
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

14.1 COSHH ASSESSMENT

Environmental Risk & Risk from Hazardous Substances (COSHH) and Control Measures

- Refer to Data Sheets Contained within Site File
- Carry out COSHH survey to identify any hazardous materials or substances during the demolition process. If any are found they will be recorded on COSHH sheets and then removed strictly in accordance to the regulations.
- All information recorded to be attached to this document.
- Spill kits to be provided for all mobile plant where there is a risk of heavy liquids coming into contact with ground/foul/storm water drainage channels

14.2 RISK ASSESSMENTS

Assessment of Health & Safety Hazard/Risk,

- Significant hazards associated with the demolition process have been identified as risks to demolition workers and members of the general public's health and safety and the resultant control measures as detailed on the attached risk assessments will be implemented in order to reduce their effect.
- Risk is assessed in accordance with the HSE's Guidance "Five Steps to Risk Assessment" as:-
 - Look for the hazards
 - Decide who might be harmed and how
 - Evaluate the risks and decide what control measures are required
 - Record the findings
 - Review the assessment and revise it if necessary

APPENDIX A

RISK ASSESSMENTS