

METHODOLOGY:
STRIP OUT AND DEMOLITION

GREEN BARN

HEMSLEYS LIVERY YARD

ASH ROAD

HARTLEY

LONGFIELD

KENT

DA3 8HA.

Client: Sherri Adams.

AUTHOR: Dan Williamson.

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REVISION.HDR//001

SAFE WORKING PRACTICES CORONAVIRUS (COVID -19).

As a result of the Coronavirus(covid19) Pandemic it is essential to follow the below practices when carrying out the tasks.

- . hand washing frequently using soap and water.
- . Hand protection, during all tasks safety gloves to be worn at all times.
- . Social Distancing, HDR operatives are instructed to work where practicable 2 metres apart. Where this cannot be achieved then RPE (Respiratory Protective Equipment must be worn). This in turn minimises face to face and skin to skin contact.
- . Teamwork, HDR Teams be are to be kept as small as possible to ensuring that the task can be carried out in by safest way possible. Teams are to be kept together whilst ensuring social distancing is adhered to and teams are not regularly mixed.
- . Pedestrian Access and Egress, HDR operatives are to use the stairs as their sole means of getting to and from the workface, Lifts and hoists are not to be used.

. Work Equipment, where practicable tools used to carry out a task are to be regularly cleaned and should be used by one person where practicable.

The above will be constantly monitored by HDR supervisors and Operatives will be provided with additional guidance as the project develops.

HDR are constantly monitoring their processes in accordance with Government and HSE guidelines.

PROJECT OVERVIEW.

Having Demolition and Recycling have been contracted by Sheri Adams to carry out the strip out and Demolition of the structure located at the Barn Mead Site. The project also includes the removal of ground slabs foundations and redundant drain runs.

All arisings from the process will be separated where practicable. And removed from site and transported to Licenced recycling centres.

SITE WORKING HOURS.

Working Hours on site are Monday to Friday 0800 hrs to 1800 hrs.

Noisy works will be limited between the times of 0800hrs-1800hrs Monday to Friday.

0800 hrs -1300 hrs Saturdays.

Having Demolition and Recycling will respect any request to reduce the duration of noisy works if required.

PROJECT DURATION.

The demolition process will take up to 2 weeks with up to 4 HDR Operatives.

PROJECT START DATE.

Works to commence TBC.

Collection and deliveries/Access and Egress.

Collections and deliveries of materials will be pre planned. Vehicles entering site will be banksman controlled ensuring that safety to other road users and pedestrians is paramount.

All deliveries and Collections will be arranged so as to avoid peak traffic flow.

All deliveries and collections will be carried out in accordance with the Traffic management Plan.

Barriers will be placed around vehicles and skips to ensure segregation is achieved.

Collection and Delivery Restrictions.

It has been agreed that deliveries and collections must be between the following times.

08.00-16.00 daily Monday to Friday.

08.00-13.00 hours Saturday.

Note: No Working Sundays and Bank Holidays.

Control and Management.

Throughout the Project all strip out works are to be Supervised and monitored by our competent site supervisors. All works will be carried out in accordance with the agreed Risk and Method Statements. As the project progresses we will ensure that at no time there is any conflict caused to other trades on site. Our site supervisors are SSSTS and SMSTS Trained. Copies of which are retained in the staff file.

Site Operatives are trained and competent and hold CSCS as Minimum.

Plant Operatives are CPCS compliant. Records of which are held on site file.

All working areas are to be cordoned off to create a safe working Zone between HDR Contractors and other Personnel, ensuring at all times no unauthorised access is gained. Only permitted Operatives that have been site inducted are to be allowed access to the work area.

Appropriate Warning, Directional and Instructional Signage will be displayed to any fencing/Barriers and will be constantly reviewed and adjusted as required during the project. At all times HDR operatives will wear Full PPE (Personal Protective Equipment) and RPE (Respiratory Protective Equipment) where the task requires.

The site is to remain Safe and secure at all times. This includes during operating hours.

SITE CONTACTS.

Trace Wastell	HDR	HDR Director	07956 926273
Mark Ilbury	HDR	Contracts Manager	07932 551613
Dan Williamson	HDR	Site Supervisor	07533 259791

SITE SUPERVISION.

HDR SITE SUPERISOR- Dan williamson.

HDR FIRST AIDER. -..... Dan williamson.

Personal Protective Equipment (PPE)

On site HDR Operates a 5 Point PPE AS minimum, all Personnel with potential exposure to dust will have undergone a face fit test training for the use of face masks.

Hard Hats	BS EN 397
High visibility Vests and Jackets.	EN 471
Safety Glasses.	BS EN 166
Steel toe Capped safety Boots.	BS EN 344-1
Safety Gloves.	BS EN 420/388
Dust Masks.	FFP3 (as minimum)
Ear Defenders.	EN 352-1
Flame Retardant Overalls.	EN 11611
Visors	EN 166-3B

SITE EQUIPMENT.

The following Equipment is required on site to carry out the Demolition task. This list should not be deemed exhaustive.

Brooms.	Barriers.	Bottle cages.	Nail Bars.
Shovels.	Fencing.	Ton Bags	7lb Hammers.
Water Hoses.	Signage.	Oxy bottles.	Fire Extinguishers
Diesel tanks.	Bottle trolleys	Propane bottles.	Mobile Towers.
Spill Kits.	14 t Excavator.	Excavator attachments.	

STORAGE.

Having Demolition and Recycling Site management will establish a suitable storage area for both materials and Equipment. This location will be included in the site induction and a site plan displayed in the welfare area.

Fuel.

A portable banded diesel bowser will be positioned on site in an appropriate area surrounded by Heras fencing with flammable liquids signage displayed.

Fire Extinguishers and Spill Kits will be positioned in the refuelling enclosure.

Plant will be driven to the area for refuelling.

Fuel compound will be locked.

Bucket Change Area.

HDR are to set up a separate compound with signage to store Excavator buckets and Attachments.

Gas Bottle Storage.

HDR will store all bottles in separate cages with a Heras fencing compound. Flammable gas Signage will be displayed. All bottle cages will be padlocked and opened by authorised HDR operatives.

Gas bottles will be fitted with flash back arrestors.

Tools.

HDR will store all tools either in company Vehicles or a designated site box.

Plant.

All plant will be parked in a suitable area at the end of the shift. All keys are to be removed and isolators armed. Keys are to be removed from site or stored in a locked box.

PLANT SCHEDULE.

On site HDR will have the following plant.

1 no 14ton Excavator with Attachments.

Mobile Crusher (if confirmed crush to be on site).

Daily checks are to be carried out by the Excavator Operator and recorded in the inspection book.

Completed forms for the week will be placed in the site file.

Plant will be immobilised when not in use.

All keys are to be locked away during non-working hours.

Any Faults with the plant are to be reported and rectified immediately.

All Plant will arrive with safety certification.

COMMUNICATION.

Continuously during the project HDR supervisors and Senior Management will liaise with the client and other contractors as to the daily activities on site.

HDR Staff are to be briefed on the daily tasks ahead.

TRAINING.

Only Qualified, Competent Operatives will be permitted to undertake the work on site. All HDR operatives are CSCS accredited, Manual Handling Trained, MEWP operators are IPAF trained. Our site supervisors are SSSTS and SMSTS Trained. Excavator Drivers are CPCs Accredited. Mobile Towers are to be installed on by PASMA trained operatives. All Proofs of such are to be presented from the onset of the Project and Copies retained in the site file.

All HDR operatives are asbestos awareness trained.

HDR Supervisors will carry out Toolbox Talks to raise and monitor any identified Health and safety issues. These will be documented and kept on file.

Environmental Issues.

Havering Demolition will ensure that every consideration is given to environmental issues and any restrictions imposed by the client. Non-Hazardous waste will be disposed of in Nominated Labelled skips provided by Havering Demolition and transported to nominated transfer stations.

Water dust suppression will be in use during the whole demolition process. Where Practicable arisings from the process will be removed from the workplace and placed directly into nominated skips therefore reducing the amount of stockpiling.

ASBESTOS AWARENESS TRAINING.

Only Asbestos Awareness trained staff are to carry out the procedure of the removal of any non-notifiable ACMS.

Compliance certificates of operatives that are asbestos awareness will be retained in the site file.

PERMITS.

On site HDR operate with the following permits.

Permit to work. (Daily)

Permit to Dig. (When excavation work is required).

Hot Works Permits. (When Grinding/Oxy-Propane Cutting work is carried out).

HDR supervisor will complete daily Activity logs.

All permits will be retained in the site file.

WELFARE.

HDR will set up site Welfare within the site. It is every site operatives' responsibility to maintain the daily upkeep of the facilities ensuring it is fit for use by others.

Welfare will be in the form of a 10ft ecocabin.

EMERGENCY ARRANGEMENTS.

Havering Demolition and Recycling will ensure emergency arrangements are included within the site induction/daily briefings that are carried out on site.

An appropriately sized and stocked First Aid Kit will be kept on site and located in the site welfare.

Havering Demolitions Site First aider is Dan Williamson. Certificates retained in the site file.

All Accidents, incidents or near misses will be reported to Havering Demolition Management who will conduct any investigations necessary and make appropriate recommendations to prevent any Reoccurrence.

The client will be made aware of any incidents involving Havering Demolition Operatives.

Nearest Accident and Emergency Hospital.

DARENT VALLEY HOSPITAL

DARENTH WOOD ROAD

DATFORD

DA2 8DA

Tel no. 01322 428100

Emergency 999

LIVE SERVICES

Prior to Demolition works commencing it is to be confirmed that Live Services have been Isolated.

This is to include any gas or Electricity supplies to the buildings.

Disconnection Certificates are to be retained in the site file. These are to be retained in the site file.

A water supply is required for dust suppression purposes.

RESPECTING AND PROTECTING NEIGHBOURING PROPERTIES.

HDR will perform the demolition task minimising nuisance caused to neighbouring Properties as follows.

NOISE- HDR will use modern equipment with up to date noise reduction bafflers.

HDR will adopt methods that reduce noise.

DUST- HDR will use water dust suppression will be in use at all times.

TRAFFIC- (Deliveries and collections). All site traffic will be pre-planned and in accordance with the agreed restrictions.

ROADS AND ACCESS ROUTES- Wheel washes will be in place to ensure the transit of mud onto surrounding roads is eliminated.

PLANT- Site plant is to operate within the site boundaries. NO slewing over neighbouring properties.

FENCING AND SITE PROTECTION.

Site Safety fencing is to be installed where required around the area on site.

HDR will install barrier protection in areas where required.

SEQUENCE OF WORKS.

HDR are to carry out the following Tasks.

- 1 Install of safety fencing.
- 2 Soft Strip of internal fixtures and fittings.
- 3 Main Demolition of structure.
- 4 Removal of slabs/footings.
- 5 loading away of Hardcore/crushing on site (which is agreed).

FIRE PROCEDURE AND PRECAUTIONS.

Construction work is statistically a high-risk activity. As the workforce and other users of the site will be at risk in the event of a fire. The requirement of arrangements and procedures in place is of paramount importance.

The main topics to be addressed are as follows.

MEANS OF ESCAPE IN A FIRE: All site users are to be made aware of the nearest means of escape in a fire. Appropriate instructional signage is to be placed in corridors. In the event of a fire all must

meet at the designated muster point. Never use a lift as means of escape! Always use stairwells. In the event of a fire operatives are not to return to the building unless it is safe to do so.

FIRE WARNING SYSTEMS: Fire Bells/claxons are to be installed in the working zones with the appropriate signage.

FIRE EXTINGUISHER PROVISION: Adequate tested and certificated fire Extinguishers are to be present in the workplace.

STAFF TRAINING: All staff are to be made aware of all fire routes and provision during the site induction. As the project evolves so will the fire plans and routes, these will need to be continuously reviewed and communicated to all.

SAFE SYSTEMS OF WORK TO MINIMISE RISK: All escape routes are to be kept clear from obstacles. Emergency fire doors are to be kept clear and not blocked. Stockpiling of rubbish waste and flammable materials is to be kept to a minimum. Hot cutting operations can only commence once the area is cleared of any potentially flammable material. Appropriate fire sheeting and extinguishers are to be in place. Fire watch to be in attendance. Hot works permits are to be issued and signed. A mandatory 1-hour fire watch is to be observed once the cutting operation has ceased.

SAFE STORAGE OF FLAMMABLE MATERIALS AND COMPRESSED GASES. All gases on site are to be stored in secure locked cages. Bottles are to be stored upright.

REFURBISHMENT AND DEMOLITION SURVEY. (R&D)

Prior to any works commencing on site a Full R&D survey must be carried out to determine whether ACMS (Asbestos Containing Materials) are present within the structure and fabric of the building. This is a thorough and intrusive examination that is required by law. The findings will allow for future planning if required for the removal of any ACMS found. A separate Methodology for the removal process will be issued.

All Havering Demolition operatives are Asbestos awareness trained. Certificates will be retained in the site file.

INTERNAL SOFT STRIP.

On receipt and review of the R&D survey HDR will start the process of the soft strip. The process be carried out as follows.

Prior to any main demolition work commencing our fully trained team of operatives will commence the task of soft stripping the barn using a combination of Hand Tools.

The soft strip comprises of the removal of floor coverings and carpets, these will be cut into manageable segments and placed into our designated skips.

Door Frames, Casements and skirtings will be removed using a combination of hand tools. All wood arisings will be kept separate and placed into designated skips.

Kitchens will be completely stripped out using a variety of hand tools, all arisings will be separated where practicable and placed in our designated skips.

Stud walls. If there are any plasterboard stud walls present our operatives will remove the walls by hand, plasterboard, insulation and wood will be separated and placed into designated skips.

Window Frame Removal. All window frames will be removed prior to demolition, Operatives will remove all the glass firstly by hand keeping the glass separate in order to recycle Glass arisings will be placed in our designated skips.

Havering Demolition will where practicable aim to maximise recycling potential during the strip out process therefor minimising the amount of waste that goes to land fill.

DEMOLITION OF MAIN STRUCTURE.

Before commencing the Demolition works HDR are to ensure the area is safe and secure.

HDR will confirm that all live services are isolated (Electric/Gas).

Using our 14 ton Excavator with Rotating Grapple attachment HDR will carefully start the removal process of removing the roof sheets. Arisings will be loaded into designated skips on a systematic basis ensuring a clear and safe area is maintained.

During the removal process HDR operatives will sort arisings where required in order to maximise recycling opportunities.

During the roof removal HDR will ensure that a water dust suppression system is in place and use.

On completion of the roof removal the excavator will reduce all exterior walls, Arisings from the process will be separated where required. Any hard core arisings will be removed from the area and stockpiled in a suitable area for future crushing.

During the above process banksman will be in attendance and adequate water dust suppression will be in use.

With all arisings removed from the area HDR Will start the process of removing the steel frame.

Our trained and Competent Operatives will partially cut the legs using Oxy/Propane Cutting Plant.

Once completed our Excavator with grapple attachment will carefully bring the structure down to slab level.

With the structure on the ground our cutting team will then cut the Structure into smaller sections in order for the excavator to load waste into the designated skips.

The above process will be repeated till the whole frame has been removed.

Note.

Where hot Cutting is to be performed HDR Operatives are to be issued with a Hot Works Permit (HWP). Fully Charged Fire Extinguishers are to be in place with Fire Blankets.

During cutting a fire marshall will be in attendance.

On completion of the Task a mandatory 1 Hour fire Watch will be observed once the cutting process has finished.

SITE SLAB AND FOUNDATION REMOVAL.

RESTORATION OF SUBJECT SITE

Once the demolition of the barn structure is finalised and the hardcore has been stockpiled the next phase is the removal of the slabs, underground footings and redundant drainage.

Havering Demolition will complete this process using our 360 Excavator with a combination of hydraulic breaker attachments and buckets.

The machine will probe the ground to reveal the footings and where required use the breaker to split the footings into manageable sections for their removal.

Once removed the excavated areas will be backfilled to ensure that no open holes are left. This ensure the risk of slips, trips and falls is illuminated.

Redundant drainage runs will be capped to prevent the infestation of vermin.

HARDCORE ARISING.

On completion of the demolition and foundation process the Hardcore arisings will be dealt with at the clients' request. This will either be **Removed from site** or **Crushed on site and retained for future use.**

Removal from Site.

If this is requested Havering Demolition will organise the removal by way of 8 Wheel tipper lorries remove the waste. The lorries will be loaded by our 360 Excavator and transported by road to a licenced site for recycling. Conveyance notes will be produced for each load from site.

All lorries entering and leaving site will be banksman controlled to ensure safety to neighbours, pedestrians, other road users.

Concrete crushing Method.

On completion of the Demolition process HDR will arrange for the Delivery of a mobile crusher Unit to crush all the hardcore arisings.

Havering Demolition will ensure that the relevant crusher licences are in place.

This will be planned and delivered at a prearranged time that is off peak in terms of traffic and pedestrian flow.

On delivery the crusher unit will be placed in a suitable position on site by the crusher operator.

The crusher that HDR will use to process the arisings is low emission compliant and low vibration therefore minimising noise and air pollution.

During the crushing process the crusher unit will have 2 no 360 Excavators in attendance. One Excavator will work from the hardcore heap continually feeding the crusher whilst the second

RISK ASSESSMENTS.

Access and Egress.

Collection and delivery of materials.

Loading lorries with an excavator.

Manual handling.

Other site personnel.

PPE (Personal Protective Equipment).

Use of hand Tools.

Prevention of Dust.