

Former Elderly persons Home

Meadow Road, Whitehaven

Client – Acer Holdings

Demolition of the former Elderly persons Home
 Breakout floors and foundations

AH 012 Issue 1

Amendment Record

Issue No.	Amendment	Prepared by	Approved by	Date
1		Robert Carruthers		01/06/2022

Sign on Record

I have read the method statement and supporting documents, I understand them, and I understand my role and will work in a safe manner.

Name	Signature	Date

		Method Statement		

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1.0 Scope of the Works

This method statement covers the safe way to carry out the demolition and removal of all waste from site at the former Elderly Persons Home. Duration of works approximately 6 weeks.

2.0 References

- Risk Assessment AH 013 R1.

3.0 Hazards Identified 3.1 Control Measures

- All services – Checked for disconnection
- Underground Services - No Excavations until service routes has been identified
- Plant and Equipment - Checked and competent/ Qualified users
- Public Interface – Occupiers of the properties on the boundary of the site informed of different stages of the demolition process. Heras fencing with Debris netting fixed to the boundary of the site be maintained at all times and a Banksman to police area at all times.
- Traffic Interface – Banksman to control traffic when wagons are entering and exiting site, gates to be closed after all traffic accessing site.
- Noise – Ear protection to site operatives/ exclusion zone for general public/ Silenced engines 85 dB and hydraulic breakers 85dB at 10 m.
- Dust – Debris netting installed to perimeter fencing/ localised spraying of water on demolition areas by jetter attached to water bowser / Dust masks
- Working at height- Any working at height will be carried out from the basket of a MEWP.
- Weather -Stop work in high winds
- Unstable structure – leave structure safe at the end of each shift

4.0 Personnel

- Supervisor – Graham Bell
- Plant Operators – CPCS Qualified
- Labour – CSCS Qualified

5.0 Plant & Equipment

- 20 ton Excavator c/w selector grab and hydraulic hammer.
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- MEWP
- Water Bowser
- Road Wagons c/w roll-on-roll off skips.
- Road Wagons for rubble away.
- Hand tools (Wrecking bars and hammers for wall removal)
- Spill kit in machines and with diesel bowser when re-fuelling
- Diesel Bowser brought onto site as needed with van or pickup

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6.0 Materials

- Oils and grease
- Diesel

7.0 Personnel Protective Equipment

Mandatory PPE

- Hard Hat
- High Visibility Vests
- Safety Footwear c/w steel toe capped and mid sole protection

Additional PPE

- Safety Goggles (EN1669B)
- Ear Defenders
- Dustmasks
- Work arrest harnesses + Lanyard

8.0 Planning

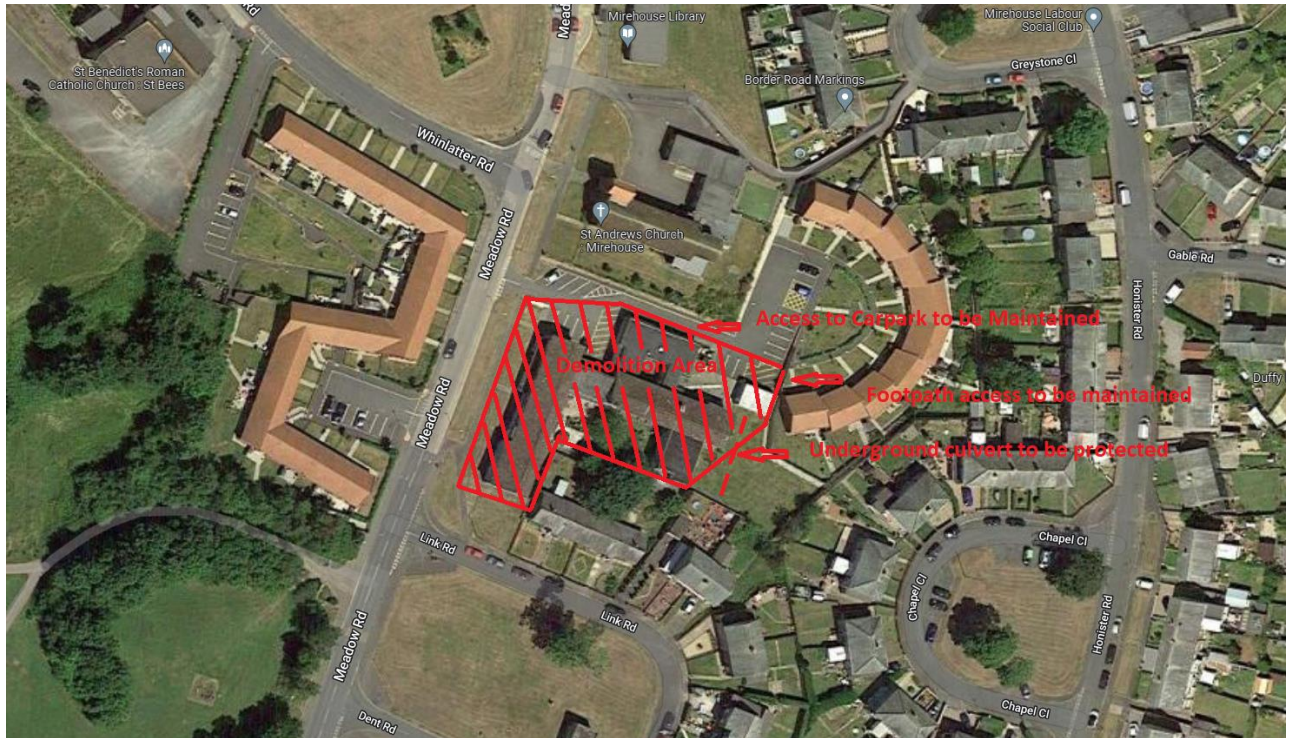
- Method Statements
- Risk Assessments
- Services disconnection record
- Work only to begin once confirmation has been given that all services are terminated and isolated.
- Site visit with supervisor to discuss the works
- Daily job briefs and onsite liaison

9.0 Temporary Works

- The whole site to be fenced off. Access to be maintained to the Carpark to the rear of the property and footpath to the side of the demolition area.
- Underground Culvert to be protected
- Open drains and manholes will be covered with sand bags.
- Compound gates to be kept closed during demolition
- Welfare unit
- During demolition the buildings will be left structurally safe at the end of each shift.

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Demolition area and surrounding restrictions



10.0 Work Area & Access / Egress

- Off Meadow Road.

11.0 Public Interface

- Occupants of the properties to the boundary of the site to be informed about the various stages of the Demolition.
- Heras fencing to be maintained throughout the duration of the demolition works.
- Access route to the rear of the works will be policed by Banksman when the single storey part of the building is being demolished.
- When the road wagons leave/enter site, banksman will control pedestrians and other traffic. Keep an eye out for any unauthorised people on site, stop work and escort off site if any found.

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12.0 Method of Works

All personnel involved in the operations will be inducted and carry out a pre-job brief before any work is carried out. Record of all service disconnections will be checked. All asbestos is thought to have been removed before Demolition but if any is suspected during Demolition, work will cease until removed from site. All plant and equipment to be checked before use-inspection and test documents made available.

- All operatives to hold CPCS cards and have them available.
- Plant operator will check machine before use and record this on a daily check sheet.
- Any defects found will be reported to the site supervisor.
- Any defects to safety critical items will result in the plant taken out of service.
- Seat belts to be worn at all times
- Excavators will either have sufficient mirrors to eliminate blind spots or working rear cameras.
- Mirrors to be in good order and clean.
- Audible alarms to be in good order if fitted.
- Flashing beacons must be fitted and working.

Hold Point

Underground Culvert to be located and protected before any heavy machinery enter site

Skips will be brought onto site and located to suit the works.

The soft strip of the building will take place segregating materials into different skips (Hand tools will be used for this phase of the operation). Plasterboard to be kept separate from general waste. The materials will be placed outside the building and loaded into the appropriate skips using the excavator and selector grab.

Hold Point

Neighbouring properties in the close vicinity to parts of the building to be demolished will be informed of the works and a Banksman will police these areas during the works.

The access route to the rear of the works will be policed by Banksman when the single storey part of the building is being demolished.

Once the soft strip is complete the 20t excavator will then proceed to remove the roof and place the material into the skips. The building will be checked before any mechanical demolition takes place for any persons left in the building.

Disposal will be either to a recycling centre, a reuse centre or landfill as the last option providing that the route chosen complies with the current requirements for disposal.

If during the Demolition any live services are suspected then works must stop and the client will be informed.

The Banksmen will stand a safe distance from the machine and structure during this phase.

The machine will pick through the building and separate the different type of materials for disposal or crushing.

The material for disposal can be placed in skips or stockpiled for tipper wagons to collect.

Any light materials must be stored on site so that they cannot blow away – e.g. Rockwool.

The works will be planned so that the building is structurally sound and the site left safe and tidy at the end of each shift.

Once the building and the rubbish cleared away by skips the floor slab and foundations will be broken out and removed from site.

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Any below ground drainage will be grubbed out and the pipework leaving the site will be sealed. The site will be graded down to leave no steps in the levels. Once this has been carried out the site will be cleared of all machines and a final tidy up by hand before leaving site.

13.0 Environmental Arrangements

Dust.

Debris netting attached to Heras fencing around the site. During the demolition of the building the work will be dampened down with water from a jetter on a water bowser, this will be undertaken by hand. No demolition will take place in high winds.

Noise.

Use modern silenced equipment.

All machines used will have noise levels less than required levels (85 dB). The hydraulic concrete breaker has noise limits of 85dB at 10 m. Pedestrians outside the site fencing will not be exposed to upper limits.

Workforce to use ear protection in the vicinity of the Hammer during breaking operations. Carry out noise monitoring during concrete breaking operations. Concrete breaking will only be carried out between 9 am and 4 pm on week days.

Any open drains will be sand bagged up during the Demolition stage, once the floors foundations have been grubbed up and the drainage from the footprint have been removed the pipes leaving the site will be sealed up. All the items of waste will be transported to Cumbria Waste Recycling depot at Workington. Any wood will be disposed at a local recycling centre for chipping and eventually biomass fuel. All brick rubble and concrete will be taken to Lawsons recycling yard for processing. Any spill kits used will be returned to Lawsons Depot for disposal in the appropriate Skip (Waste oils and filters). The Refuelling of plant to be carried out using a towed bowser stored off site and removed after refuelling. Spill kits to be with each machine and the fuel bowser.

14.0 Emergency Procedures

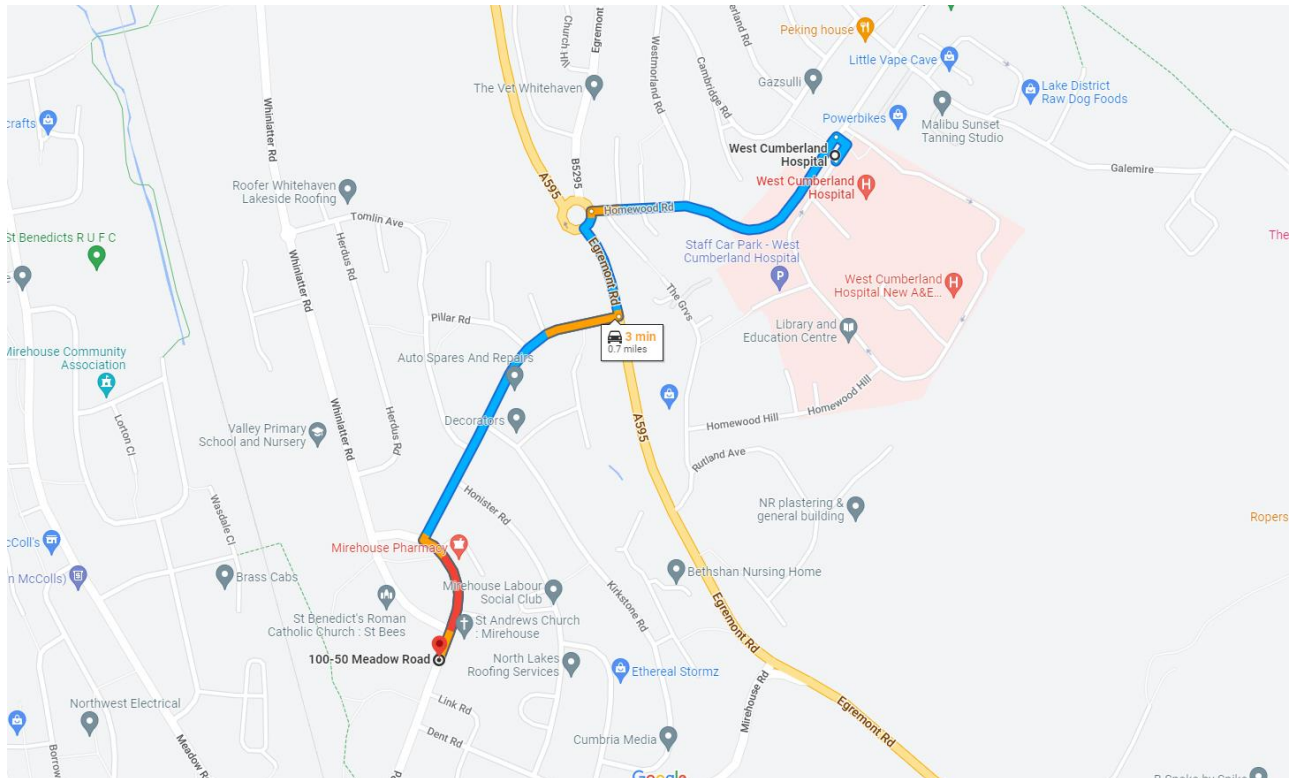
The site Supervisor (Graham Bell) will have a mobile phone with all emergency services numbers; he is also the first aider on site.

In the event of any accident on site the following will be completed:

1. All operations will cease immediately, all machines will be moved to a safe area and switched off. The scene of the accident will be left as it was at the time of the accident unless treatment of the casualty disturbs the scene.
2. First aid will be provided to the casualty.
3. Where the injury is minor, after first aid is completed the accident book will be completed and a copy passed to Lawson and Acer Holdings Management. Works can then proceed.
4. In the event of a serious injury:
 - a. First aid will be continued.
 - b. Emergency services will be notified of the incident and called to the scene.
 - c. Lawson's and Acer Holdings management will be notified of the incident.
 - d. After the casualty has been dealt with the area will remain sterile until Lawson's and Acer Holdings complete an investigation into the incident.

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Route to West Cumberland Hospital



15.0 COSHH Assessment

- Oil, grease and diesel.
- Assessments attached

16.0 Risk Assessments.

- AH 013 R1

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