

Demolition Method Statement

**Land south of Icknield Way
Letchworth Garden City
Herts
SG6 4AD**

Prepared by:
Pentangle Design Group

Date: September 2024
Job No. 3863

1. Introduction.

- a. The project is for the identified Asbestos removal works including the demolition of the existing delapidated garage at land south of Icknield Way, Letchworth Garden city, Herts, SG6 4AD.
- b. The Principal Contractor is – to be appointed
- c. This Statement has been produced by Pentangle Design Group (PDG) to detail the scope and methodology of the works to be carried out and forms part of the Site Induction for all operatives working on the site and will be adopted by the successful contractor.

2. Site Establishment

- a. The site will be accessed from the existing entrance on Icknield Way.
- b. The buildings due for demolition consist of dilapidated garages.
- c. Safety auditing will be carried out on a two-weekly basis by the contractor.
- a. The contractor will remain responsible for the following:
 - a. Control of the main site access and segregation of the works (including responsibility for site visitors)
 - b. Provision of welfare facilities.
 - c. First Aid.
 - d. Issue of necessary Work Permits.
 - e. Distribution of mains pressure water for damping down operations.
- b. The contractor will carry out inductions for all operatives and visitors to site; a Site Supervisor will ensure all operatives receive a briefing on this Method Statement and the associated Risk and Coshh assessments.
- c. A record of inductions will be maintained by the a Supervisor for inspection by third party safety auditors.
 - d. Daily staff briefings and weekly "tool box" talks will be carried out by the Supervisor, specifically targeted to current work activities. A record of all daily briefings and TBT's will be maintained on site and made available on request to interested parties.
 - e. Minimum PPE for all personnel will include safety helmet and safety glasses, high visibility waist coat, gloves (matched to the activity), and safety footwear. A register of PPE will be maintained by the Supervisor who will regulate and record the provision and use of all additional PPE that maybe required.
- f. All personnel will sign in and out site daily, using record sheets.

3. Scope of Works

- a. Removal of asbestos by approved personnel.
- b. Demolition of redundant structures to underside of foundations.
- c. Clear site.

4. Temporary works

- a. The site perimeter will be protected by heras type safety fencing, which will be erected prior to the demolition works commencing.

5. Duration and sequence of asbestos removal and demolition

- a. The instructed scope of works are to be notified.
- b. Start date: TBC.

6. General Statement

All works will be carried out by suitably trained and accredited CSCS / CPCSS/NPORS operatives working under the direction of the site Supervisor who will be SSSTS, CCDO or GOLD CARD certified. The Supervisor will co- ordinate and direct site operations at all times. All plant deliveries will be scheduled through the site supervisor who will ensure suitable clear access and adherence to agreed delivery times in accordance with the contract requirements.

- a. Reversing procedures will be carried out under the direct control of a suitably experienced banksman.
- b. The location of plant delivery/storage areas will be agreed on site. Temporary storage of demolition materials will be kept to a minimum to limit storage requirements and decrease the risk of airborne particles.
- c. All major plant (360° excavators, loading shovels, crushing plant etc.) will be serviced by the manufacturer / the contractor in accordance with the manufacturer's maintenance schedules. Plant defects will be reported by operatives to the Supervisor, who will arrange for appropriate repair or replacement through contact with the Contracts or Service Manager. Plant operatives will ensure ignition keys are removed when the equipment is not in operation. At the end of the working day Isolators will be removed from plant, prohibiting unauthorised out of working hours operation.
- d. All hard materials will be broken or pulverised to suit on site reprocessing by mobile crushing plant.
- e. Dust will be controlled using an atomising spray suppressant plant which will spray a fine fog of atomised water over the work area.
- f. On occasions it may also be necessary to utilise mains feed water taken directly from the existing supply to provide adequate supression.

Water runoff will be monitored, and excess water will be controlled utilising the existing site drainage systems.

- g. In addition to the general signage and hoarding, demolition warning signs will be erected around the perimeter of the working area by the contractor.
- h. The contractor will be responsible for the exclusion of non-operational personnel from the site and will escort any visitors who have not received a full site induction.
- 1. Clear access to each working area will be maintained at all times, good housekeeping will be encouraged reducing the risk of slips, trips and falls.

7. Resources

- a. The site resources will be varied to suit the demolition programme; however, this will include a trained and experienced site Supervisor, who will direct day to day operations on behalf of the contractor.
- b. It is anticipated that the total labour force will not exceed 10 personnel, including the supervisor but excluding attendant road vehicles.
- c. Plant resources will be controlled to suit the available workload, but will typically consist of tracked excavators with hydraulic attachments as required, crusher and a wheeled loading shovel.
- d. Lorries carrying waste will be fully sheeted before leaving the site.

8. Services

- a. All services i.e. electricity, due to be disconnected prior to demolition starting. A handover record sheet providing confirmation of service status will be issued to the contractor before any demolition work commences.
- b. A free of charge water supply will be provided by the client for damping down works and use in the temporary welfare facilities.

9. Asbestos Products

- a. All asbestos containing materials will be removed in advance of the main demolition works by the contractor. A separate plan of works (POW) for asbestos removal will be completed ahead of works commencing .
- b. When the wet and drop method is used the works will be notified to the HSE as notifiable-non licenced works. (NNLW)
- c. Where necessary, early elements of soft strip maybe instructed by the asbestos supervisor to facilitate or simplify ACM removal.
- d. If previously unknown ACM is discovered during the demolition process, all work will be suspended and the supervisor alerted. The Supervisor will contact the asbestos team. The area will be cordoned off and a trained asbestos operative will investigate further, taking validation samples for laboratory testing if necessary.

10. Site Clearance

- a. The contractor has confirmed the extent of the site clearance.

11. The Dilapidated Garages





12. Soft strip

- a. All works will be carried out in accordance with the disconnection permit which must be in place prior to commencement.
- b. Soft strip works will proceed in a sequence to suit the asbestos removal works.
- c. This will include removing as many timber/plastic fittings etc as practicable.
- d. Using handheld tools, the internal fixtures and fittings will be stripped from the building back to the structural shell.
- e. Existing window and door openings will be utilised for the removal of waste materials into the secure drop zones.
- f. Safety barriers to drop zones will remain in place until structural demolition commences.
- g. Work will be co-ordinated by the Supervisor to allow safe discharge of the materials into the drop zone.
- h. Within the external drop zone, materials will be sorted into individual waste streams
- i. Access to the working areas will be via existing pedestrian routes which will be communicated to site personnel at the daily safe start briefing. Any additional segregation inside the demolition zone will be established using crowd barrier or Heras type fencing.

Supervisor inspections

- j. During soft stripping operations, the supervisor will inspect the revealed structure and report any unexpected change in construction to the Contracts Manager.
- k. Should the structure vary from the anticipated construction, requiring a different demolition approach, this Method Statement will be amended to suit.
- l. Pedestrian routes, fencing, and drop zones will be continually maintained and monitored throughout the works and relocated as necessary to suit the changes in working patterns.

13. Structural demolition

- a. Prior to any structural demolition the Site Supervisor will carry out a visual check to ensure there has been no un-authorized entry and that all personnel are clear of the working area and drop zones.
- b. The site buildings inspection log will be completed on a daily basis and displayed on the wall of the site welfare unit for all operatives to view during Safe Start Briefings.
- c. All structural demolition will be programmed and controlled by the Supervisor.
- d. Dust will be controlled using an atomising spray suppressant plant which will spray a fine fog of water over the work area.
- e. On occasions it may also be necessary to use mains feed water suppression from the existing supply. Water runoff will be monitored, and excess water will be controlled utilising the existing site drainage systems.
- f. Machine operators will demolish the buildings bay by bay, working progressively through the building to the following rows of vertical columns and roof trusses.
- 1. Waste material will be allowed to drop onto the existing concrete floor. This sequence will be repeated throughout the buildings until the entire structure is demolished.
- J. Throughout the demolition process the contractor will inspect the structure at daily break periods to ensure the ongoing structural integrity and stability of the remaining sections has not been compromised.
- k. Any steel and waste arisings from the demolition works will be temporarily stockpiled for processing in designated waste management areas within the building footprint.

Slab and foundation removal

- a. The following methodology will be applied for all ground floor concrete slabs, foundations and ground beam removal.
- b. Excavation works will only be carried out only when all services information has been obtained from the client. In all cases HSG47 avoiding danger from Underground services to be adhered too.
- c. The contractor will provide a permit to dig prior to any breaking ground. CAT scanning of relevant areas will be carried out by a competent, qualified person.
- d. The substructures and slab will be broken out by excavators fitted with boom mounted, hydraulic breakers.
- e. All hardcore arising will be stockpiled on site for crushing.

- f. Any deep excavations generated by foundation/obstruction removal will either be backfilled with suitable subsoil before the end of the working day or securely fenced using heras type safety panels to prevent inadvertent pedestrian access.

14. Disposal Records

Waste transfer information will be logged onto a waste transfer spread sheet and will be issued to the client for all materials leaving the site.

Full landfill/recycling centre permits/licences will be provided before removal of material from the site.

A copy of the contractor's Waste Carrier's Licence will be displayed in the site welfare facilities.

15. Completion

All areas will be left clear and offered to the client for formal hand-over with accompanying record sheet.

16. Supervisory Arrangements

Day to day site supervisor		TBC
Visiting general manager, contract co-ordination		TBC
Programme, liaison and safety inspections.		TBC
Overall management and safety Managing Director		TBC
Site surveying and setting out	Contracts Manager	TBC
	Senior Engineer	TBC
	Site Engineers	TBC

Signed: The Contractor TBC

The contractor reserves the right to alter or adapt This Method Statement/ Risk Assessment should site conditions so require. At the pre-authority of the Client.