



CONSTRUCTION PHASE METHOD STATEMENT

Noble House Construction

Swains Lane, Highgate, London. N6

Phase 2 Remediation Works



Document Control

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Section 1.

Project Team

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Section 2

Scope of Works

To be read in conjunction with our Construction Phase Health & Safety Plan.

This method statement covers the following elements of the works following the cessation of operations following the accident on 16th March 2017.

Elements of Work.

- Initial site set up and remobilisation on site;
- Site clearance / Removal of remaining waste materials from demolition;
- Stockpile relocation;
- Removal of remaining tank (or tanks, awaiting confirmation from Luke Mead);
- Break out of remaining slab, foundation and footings;
- Crushing of all hardcore and concrete to 6F2;
- Spread and compact crushed to level (details to be provided by Luke Mead);
- Removal of any surplus crushed from site.
- Site demobilisation.

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Plant Assigned to the Project:

- 2 x 360 degree excavator
- Various excavator attachments (hydraulic breaker, select grab, hydraulic sheer)
- Dumper
- Medium duty roller
- Powertrax crusher

NB/ The site manager is to check that all plant and equipment is fully certificated prior to acceptance/use on site. All machine operations will be fully supervised by a certificated and competent banks-man.

Standard PPE

The following PPE is deemed to be mandatory:

- Hard Hat
- Safety Footwear
- High Visibility Tabard/Clothing
- Hearing Protection

SECTION 3

Method of Works.

1. Site Management Arrangements:

The site manager will be dedicated to the site and will be responsible for ensuring that all operatives receive a full site induction. The site manager will be directly employed by Materials Movements Limited.

The site manager will assume the responsibility for the day to day health, safety and welfare provision on the site.

A permit to Work, (PTW), will be issued by the site manager daily.

Prior to the commencement of works, the site manager will discuss the daily tasks with all operatives and record in the site log.

No deviations from the works detailed on the PTW will be permitted. Any deviations are to be expressly authorised in writing by the site manager prior to that element of works being carried out.

Any operatives deviating from the PTW will be immediately ejected from site and will not be permitted to work on any future MML sites.

All major changes in scope/specification of works is to be referred to the MML contracts manager for authorisation. In the meantime, this element of works will be suspended.

Site Establishment & Security.

- The current welfare facilities will be utilised throughout this phase of the works.
- The current site hoarding will be inspected daily and any running repairs carried out under a PTW issued by the site manager.
- Arrangements are in place for a security guard to be resident on site prior to the end of each shift. The guard will remain on site throughout the night until authorised to leave in the morning by the MML site manager.
- MML will take full possession of the work area.

Isolation of Site Services:

The site services have been decommissioned / retained and relocated by Noble House Construction/ Mead Building Contractors. Prior to the commencement on site, MML will obtain full written details from the client.

A site diagram will be compiled showing the position of services isolated at the site boundary. This document will be displayed in the site office and welfare facility.

Where appropriate, our site manager will highlight any fence line services by spraying them in yellow line paint.

There is no requirement for temporary site services as all accommodation will be self- contained and powered by integral. generators.

Local power where required will be by means of generators.

2. Traffic Management:

Due to the relatively restricted site footprint the central portion of the site, a demountable barrier will be placed either side of the entrance gates terminating at the site accommodation. This will segregate pedestrians from plant movement on site. Under no circumstances will plant be permitted to breach this area without prior permission of the site manager. In these circumstances, the demountable barriers will be placed across the entrance to the site and will be fully supervised during any plant movements within this area. No pedestrians will be permitted within this zone until all plant movements have ceased and the segregation zone reinstated.

This arrangement will also apply to vehicles entering the site during deliveries of plant and equipment.

Due to site restraints, it is not practicable to provide a designated vehicle turning area.

Vehicles wishing to enter the site will be “stabled” on Swains Lane whilst awaiting the attendance of our banksman. All drivers will be instructed to ensure that vehicles do not obstruct other road users.

Our banksman will close off the pedestrian segregation area before allowing the vehicle onto site.

When unloaded / loaded, our banksman will place a demountable barrier across the pedestrian path in both directions.

When safe to do so, the banksman will guide the vehicle offsite and onto the public highway.

Upon vehicle clearance from the site, the demountable barriers will be removed from the footpath allowing unobstructed use by the general public.

The banksman will reinstate the onsite segregation zone prior to any further pedestrian movements on site.

3. Site clearance / Removal of remaining waste materials from demolition/ Stockpiling of materials:

There are currently a number of cylinders and fire extinguishers on site. These will be removed from site by our specialist contractor prior to the re-commencement of works.



Above & Left:

Arrangements will be made for all cylinders currently on site to be collected and removed from site prior to any of the works restarting. **No** cylinders will be moved by MML staff and will be collected by a licensed contractor.



The demolition arising currently on site will be stockpiled by means of a 360 degree excavator and placed away from the site operations ensuring that all access routes are clear of debris and level so far as is reasonably practicable.

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NOTE/ Should disturbance of the arisings release hydrocarbon / Petroleum vapours, works will cease until the extent of the disturbance is ascertained by the site manager.

Samples will be taken and analysed off site by an independent laboratory. No further works are to commence in these areas until the analytical results have been received and a suitable risk assessment and method statement addendum completed to ascertain the safest way forward.

4. Removal of sub-level fuel tanks:

There are two sub-level redundant fuel tanks remaining on this site. One is known to be filled with concrete and is to remain in situ.

The second tank is currently filled with suspected engine oil.



The following procedures are to be followed for the safe removal of the tank.

- Our specialist sub-contractor, Associated Reclaimed Oils, (ARO), will attend site and identify the contents of the tank prior to it's removal via a "vacuum tanker" and remove the contents of the fuel tank for specialist treatment and disposal off site. ARO have been established for over 40 years providing a specialist oil and hazardous waste disposal services.

ARO hold the following memberships / accreditations:

- ❖ Membership of the Oil Recycling Association;
- ❖ Pollution Prevention and Control,(PPC) permit number WP3930UD;
- ❖ WAMITAB Qualified Person, (Certificate Nos. 13295 / 6);
- ❖ Upper Tier Waste Carriers Licence No. CBDU 85735

- The tank access cover will be removed from site. Heras fencing is to be erected around the tank with each panel twice clamped to prevent any access to the tank.
- The empty fuel tank will be ventilated for a minimum of twenty-four hours prior to the commencement of breaking out.
- The heras fencing will be removed to allow access for a 360 degree excavator fitted with a pneumatic breaker. A segregation zone will be established by means of demountable barriers. These will be set at a distance between three - five metres from the excavation.
- Only persons involved in the task will be permitted within the segregation zone which will be clearly identified by means of demountable barriers.
- The excavator will carefully break out the concrete encasing of the fuel tank. These works will be supervised by a competent and certificated 'banks-man'. No person will be permitted within 2m of the excavated area.
- The site manager will regularly inspect the boundary wall which is in close proximity of the fuel tank. Any suspected/ detected distress to the boundary wall will result in the breaking out works to cease immediately to enable a further detailed inspection of the wall to be carried out.
- The concrete surround to the fuel tank will be fully broken out allowing access to the bottom of the tank.
- The 360 degree excavator fitted with a bucket will pull the tank from the pit and place on the surface of the site.
- The removed tank will be placed on our specialist contractors' low loader and removed from site for specialist treatment and disposal off site.
- The segregation zone will be demarcated by means of demountable barriers which will be set at 2m away from the excavation. These barriers will remain in place until the excavation is backfilled.
- Our site manager will carryout regular watching briefs at intervals not exceeding fifteen minutes. The site manager will pay special attention to any discoloration of the excavated soil, any liquid discharge and emission of odour. Each watching brief will be recorded in the site diary with a description of any corrective actions required. Each briefing will also be recorded photographically. Each photograph will display a date and time taken. These photographs will remain on site in electronic format for the duration of the works for inspection by others, (Chelmer report S. 4.6 + 4.17)
- Any suspected contaminated soil will be placed on a polythene membrane located within a segregated position on site. Samples will be collected by our analyst and sampled off site. This will also be carried out to the vertical seams in accordance with the Chelmer report, (S 4.18 +

4.27). During this sampling, the excavator will cease works and the bucket placed on the ground outside the excavation. The banksman will carefully enter the excavation segregation zone and collect the sample. At no point is the operative to conduct the above task as full body entry into the excavation. The sample will be taken under the supervision of the site manager. Should the excavation exceed a depth of 1.2m, the operative will wear a full body harness with a lanyard attached to a fall arrest rig.

Upon the receipt of the results of the analysis, the stockpile will be disposed by the appropriate waste stream.

- Our site manager will ensure that works cease should any of the above conditions arise.
- The tank pit will be back filled with materials on site and compacted to finished level.

5. Break Out Remaining Slab, Foundation and Footings:

All works near the existing boundary wall must be kept to a minimum. Trial pits are to be dug and a structural assessment carried out. Once this is completed, we will await further instruction from Noble House / Mead Building Contractors.

By means of a 360 degree excavator fitted with a bucket and pneumatic breaker the floor slab and footings will be broken up.

A fine water jet will be directed at the point of breaking out to minimise the dust nuisance.

Footings will be removed by a combination of the pneumatic breaker and a bucket fitted to the excavator.

Arising will be placed in a dumper truck and stockpiled on site for crushing to the client's specification.

All machine movements will be fully supervised by a qualified banks-man at all times.

6. Crushing of all hardcore and concrete to 6F2:

A crusher will be brought to site and located on site, (to the left hand side as viewed from Swains Lane).

Masonry arising will be placed in the crusher hopper by means of an excavator fitted with a bucket.

Arising will be crushed to the client's specification and stockpiled on site for reuse by the client. Operatives involved in this task will also don disposable half masks rated at FFP3.

7. Spread and compact crushed to level:

By means of the 360 degree excavator, crushed arising will be spread on the site surface in layers and compacted by means of a mechanical road roller.

This process will be fully supervised by the site banksman.

Only operatives involved in the task will be permitted within this zone.

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This process will be repeated until the whole site has been levelled to the clients' specification.

8. Removal of any surplus crushed from site:

Any surplus materials will be loaded into tipper trucks by means of a 360-degree excavator fitted with a bucket.

Trucks will be directed onto the site via the entrance gates located on Swains Lane. All movements will be supervised by the competent and certificated banks-man.

The tipper trucks will pull up alongside the excavator.

Materials will be picked up by the excavator and placed in the tipper trucks.

This process will be repeated until all surplus materials are removed from site.

9. Demobilisation:

All services will be removed from the site accommodation by our specialist contractors. Each contractor will be required to provide a full set of RAMS at least two weeks prior to their attendance on site.

Sub-contractor RAMS will be reviewed by the contracts manager.

All authorised RAMS will be endorsed by the contracts manager prior to submitting to the site manager.

Cabins will be carefully lifted onto low loaders by means of shackled chains and a suitable hiab.

All operations will be fully supervised by the banksman.

Vehicle movements will be carefully co-ordinated to be undertaken outside peak periods to minimise the interface with other road users and pedestrians.

Upon completion of the works, the site will be handed back to Noble House Construction

10. Training.

All operatives involved in this task will hold appropriate health and safety training as to fully comply with the Health and Safety @ Work Act 1974 and subordinate legislation.

The minimum requirement for this site will be CSCS

Machine operators will be required to hold a skills card relevant to the machinery that they are operating.

The site manager will hold the CITB Gold Card.

11. Emergency Arrangements:

1. The muster point will be established prior to commencement of works.
2. Operatives will stop works immediately and make their way to the muster point.
3. The site manager or his deputy will check that all operatives are present by means of the site signing in book.
4. There will be a minimum of two first aiders on the site at all times.
5. Emergency services will be summonsed via the internal telephone network. Number to be advised.
6. No one is to return to work until authorised to do so by either the emergency services and/or the clients' representative.

THIS DOCUMENT AND ASSOCIATED RISK ASSESSMENT WILL BE REVIEWED WITHIN ONE WEEKS OF PHYSICAL COMMENCEMENT ON SITE AND REGULAR INTERVALS THEREAFTER.