

S.E.T. BUILDERS LTD

71a Trent Gardens
Southgate
London
N14 4QB

Tel no: 07732 887 204
Email: sof.theo@set-build.com

OPERATION METHOD STATEMENT

AND RISK ASSESSMENT

This document is an overall statement covering all aspects of the risk assessment and method statement detailing measures to protect the stability of Regents Canal, its environment quality and its users during demolition and construction phase.

Main Contractor	S.E.T. Builders Ltd
Piling Contractor	Geobond (UK) Ltd
Site address	18-20 St. Pancras Way NW1 0QG
Nature of works to be completed	Breaking of slab, augered piles and traditional construction of a new build house.
Hours of work daily	8am-6pm Monday to Friday
Max number of operatives	4
Plant/equipment	Hand breakers, piling rig (see method statement below)

Method Statement

1. Scope of works

Carefully break out the area for ground beams and piles to construct 15 piles in order to form the foundations. Once piles have been completed, trenches to be formed for the ground beams. Traditional construction (brick, cavity, block and steel beams) for the superstructure of the house.

2. Access and method

Plant and piling equipment will be delivered on a rigid eight wheeler wagon with crane off loading facility.

All plant and equipment will be offloaded and placed in the materials bay set up in the site. Breaking of the top layers will be carried out by hand breakers and once we hit virgin clay, a digger will take out the remaining soil. We will proceed to set up the pile rig to the first pile position.

All spoil will be removed from the piling area by the excavator and driver.

Concrete will be poured into the piles with a pump and lorry on the main road.

Once all piles have been completed, the piling equipment will be removed from site.

The ground beam cages will then be formed on site and lowered into position.

The concrete will again be poured with pump and lorry.

3. Labour

The following labour will be used to carry out the digging works;

1x foreman

1x labourer

The following labour will be used to carry out the piling works;

1x foreman

2x labourer

The following labour will be used to carry out the ground beam works;

1x foreman

3x labourers

4. Training

All operatives have plant safety awareness training plantmaster operator tickets for any relevant plant.

5. Plant

The following plant will be used in connection with the works;

2T digger

1T dumper

S.E.T. BUILDERS LTD

71a Trent Gardens
Southgate
London
N14 4QB

Tel no: 07732 887 204
Email: sof.theo@set-build.com

Hydraulic 2T tracked piling rig
350mm diameter hollow stem augers
Petrol disc cutters
Breakers
Hand tools
Jet wash
Concrete pump

6. Materials

The following materials will be used in connection with the works;

Ready mix concrete
Reinforcing steel
Water
Electricity

7. Protection

As well as the controls detailed in the risk assessment, the following controls will apply;

Site induction – all operatives will be inducted by S.E.T. Builders and advised of any specific risks relating to the area proposed works. First aid to be provided.

PPE requirements

COSHH – Assessment sheets for all hazardous substances will be available on site and COSHH briefings given to the relevant operatives.

Existing services and surfaces – Monitoring of existing building and canal walls to be carried out by monitoring surveyors.

Dust Suppression – When breaking out, water will be sprayed onto the relevant area in order to suppress any dust. In addition to this, the area will be sufficiently protected with hoarding and plastic sheets to protect the canal.

8. Supervision

S.E.T. builders will be on site at all times monitoring all sub contractors works.

Method Statement Augered Piles

Plant/equipment

Auger rig
Segmental auger flights
Reinforcement
1T dumper
Jet wash

Note – before any piling can commence, an underground services permit to dig/avoidance of overhead services permit to work must be completed.

1. Set up piling rig and ensure rig is stable – please note **we have adopted augered piles which are considered to be noise and vibration free.**
2. Ensure no unauthorised personell are within the works area and all must wear PPE.
3. Lift the lead flight into the guide on the rig and insert the drilling head.
4. Check verticality of auger flight then commence augering.
5. Continue augering to required depth. Spoil to be removed as a continuous process.
6. To extract the flights – lift the head and auger string out the bores.
7. Place the reinforcement into the piles.
8. Deliver concrete to pile by pump.
9. Upon completion – all equipment to be jetwashed in a safe area and disposed of off site.
10. Operation will only take place within working hours.
11. General waste shall be disposed into designated skips.
12. Special waste, such as oil contaminated materials – oil spill kits shall be disposed of by a licensed carrier.
13. Metal waste generated shall be collected in designated skips.
14. Fuel/oil spills should be prevented. Drip trays and emergency spill kits shall be used to catch and clean the spills/leaks. Oil spill kits contain colour coded bags to contain any used spill equipment. These shall be disposed of by a licensed carrier.
15. Arising shall be removed.
16. The plant shall not be unnecessarily. Engines shall be extinguished when not in use.