Author: James Stewart (Dawkins H&S Advisor)
Signed:

DAWKINS
CONSTRUCTION GROUP

Method Statement

Buildings Load Bear Piling Operations

St Augustine's road
Camden
NW1 9RN

Start Date: TBC

1. DESCRIPTION OF WORKS AND CONTRACT TEAM

1.1 The site is situated at 4 St Augustine's road Camden London
Our contracts team, including management, have had recent experience of similar construction schemes.

2. SCOPE OF METHOD STATEMENT/WORKS

2.1 This method statement confirms the proposals for the installation of 82 no. load bearing piles, 450mm diameter, hollow stem, SFA piles.

3. DRAWING REFERENCES

3.1 Please refer to drawings listed below.

Piling Design: 17198 (Please see attached)

4. ACCESS

4.1 Site establishment will be confirmed at the pre start meeting. Access for all plant and equipment will be through the main site entrance.

4.2 Banksmen are to be made available for manoeuvring vehicles and whenever the piling rig moves, to offer safety to all parties and to avoid damage to property and vehicles.

5. PLANT, EQUIPMENT AND TOOLS

5.1 Anticipated Plant Requirements.

- A Klemm 709 Piling Rig.
- A Putzmeister concrete pump.
- Hymix Concrete Agitator
- 360 Excavator

5.2 Anticipated Small Tools

Hand held mechanical cutting gear (abrasive wheels) for cutting reinforcement if required. This is unlikely, but is noted for reference.
Shovels and wheelbarrows, if required to remove spoil from around pile head.

6. HEALTH, SAFETY AND WELFARE

6.1 First Aid

SMSTS Supervisor and first aider on site at all times.

Dawkins construction group – Dawkins house, Packhorse place business park, Watling Street, LU6 3QU
Tel 01582493731

6.2 Risk Assessments

The safest method of works will be assessed and implemented, so far as is reasonably practicable. To do so will be reflected in our Risk Assessment and Method Statement prepared for the contract.

6.3 Welfare Facilities

Site welfare and first aid arrangements will be provided by the main contractor.

6.4 P.P.E.

The following P.P.E will be worn by all operatives whilst on site.

Safety Boots, Hi-Vis Jacket or Vest, Hard Hat, Gloves, Eye Protection.

7. TESTING AND RECORDS

7.1 No material tests are required. Integrity testing of the piles will be carried out when the piles are cut down to their finished level. A separate method statement, if required, will be forwarded at a later date.

8. PROPOSED METHOD STATEMENT

- All operatives will have attended the site safety induction, and will have been briefed as to the nature of the works. The contracts team will monitor the progress of the works and will review the risk assessment and method statement to ensure best practice is maintained.

- Before allowing the piling rigs to enter site, ensure there are no overhead cables or obstructions which could be damaged by rig movements.

- Ensure that the site has been suitably prepared and is level, any services have been clearly identified, protected and diverted as necessary and a permit to dig has been obtained by the main contractor. Dawkins will ensure that the site has been suitably cordoned off.

- Concrete lorry to set up in position marked on drawing. (Please see attached)

- Ensure that Dawkins employers and public liability insurances have been made available to the client.

- Ensure that no personnel, other than Dawkins are in close proximity of the piling works.

- Ensure that the piling drawing is the latest issue, including any revisions, and that the site is set out, with the pile positions clearly marked.

Dawkins construction group – Dawkins house, Packhorse place business park, Watling Street, LU6 3QU
Tel 01582493731

- Take delivery of concrete and decant into holding drum.
- Position the piling rig over the first pile position.
- Check that the mast of the rig is vertical and adjust as necessary.
- Commence boring, and if soils information is limited, obtain soil samples for penetrometer testing to confirm pile design, as instructed by Dawkins management, and ensuring stability of rig throughout boring.
- 360 excavator to be in attendance to removal soil and store in designated area on site.
- Spoil to be removed from site by 8 wheeler tipper lorry. Lorry to follow all on site traffic management plans and delivery times.
- Bore to designed length as indicated on the Dawkins job sheet, adding augers as necessary. Record final depth on Pile Record Sheet.
- Start concrete pump and begin to discharge concrete into hopper, ensuring that only Dawkins personnel are within the work area.
- Send concrete down the auger to knock out auger shoe/bung.
- Commence pumping concrete whilst raising the auger, maintaining a steady pressure, stopping the pump to remove augers as necessary.
- Repeat this process until the concrete has reached the top of the pile.
- Move rig away from the finished pile, ensuring stability of the rig whilst tracking, and using a banksman as appropriate.
- Carefully place reinforcing cage into pile, ensuring correct projection and cover is provided.
- Set up over the next pile position and repeat. In normal conditions the sequence will be every other pile, on alternate days. For example day 1 - piles 1, 3, 5, 7,9 etc. Day 2 – piles 2, 4, 6, 8, 10 etc.
- The operation is expected to take approximately 4-5 weeks.
- When piling is complete, remove all plant and equipment from site, taking into account the points as listed in 4.

Dawkins construction group – Dawkins house, Packhorse place business park, Watling Street, LU6 3QU
Tel 01582493731

4: Inspection

All mobile plant is subjected to thorough inspections under PUWER/LOLER regulations.

All mobile plant undergoes pre-use inspections with defects being reported to site manager/supervisor.

Defective equipment is withdrawn from service and replaced or repaired where necessary.

All other equipment to undergo a pre-use inspection check and all major defects reported immediately. Equipment with major defects are withdrawn from service and replaced where necessary.

5: General

1. All workers and visitors to report to the main office and sign in. Personnel undertaking any work on site will have a full and thorough induction carried out by the principal contractor.
2. The area where work is to be carried out will be segregated using barriers and a designated walkway will be assigned if required/work impedes access.
3. Access to the direct area of work will be on foot. Designated parking areas are to be used at all times.
4. Mobile plant will be transported prior to work commencing on site by use of a low loader or by other suitable means.
5. A banks man shall be used when site deliveries are required.
6. All transport shall be arranged by Dawkins contracts manager via liaising with relevant site management.
7. Materials will be routinely removed to avoid waste build up.
8. Lorries, removing all arising material from site, when leaving and onsite will be assisted by a banks man.

6: Monitoring

- H&S Advisor of Dawkins (James Stewart) shall carry out investigations in the event of an accident/incident.
- All records of an accident shall be recorded in the accident book.
- Relevant authorities (HSE) shall be notified in the event of RIDDOR/major accident or dangerous occurrence.
- Site manager shall monitor procedures carried out by operatives on site and stop proceedings if any there is any deviation away from method statements.
- Health and safety advisor (James Stewart) shall undertake random site inspections, record findings and issue improvements where necessary.
- SWP monitoring shall be undertaken by H&S manager randomly.

7: Environmental

1. The generator shall be supplied with a drip tray to negate any fluid spillages (petrol) from impacting on the environment.
2. Diesel bowser is bunded to reduce the risk of large scale fuel spillages to a minimum.

3. Spill kits shall accompany generator and all vehicles/mobile plant to site and used where necessary to soak any fuel spillages.
4. Contaminated spill granules disposed of in clearly labelled container/drum
5. Waste shall be taken to a registered hazardous waste acceptance site.
6. Any hazardous waste transported by Dawkins shall have a hazardous waste consignment note.
7. Any muck away/spoil material shall be removed from site and disposed of at relevant waste site.
8. Waste carriers licence – Dawkins group number – CB/HE5551MY

8: Noise

Work methods:

*All noise controls implemented and further guidance shall be in accordance with **BS standard 5228-1:2009 code of practice for noise & Vibration control on construction sites (part 1)***

1. Work undertaken in daytime hours only to the site stipulations.
2. Works only undertaken in the confines of the site.
3. Employees trained to employ appropriate techniques to keep site noise to a minimum.
4. Mobile plant positioned in specific areas to minimise noise output to localised housing/neighbours etc.
5. Machinery serviced annually/periodically from new.
6. Mobile plant purchased from new with noise output considered in purchase.
7. 360° Excavator operated at lower level revs if required.
8. Enclosure panels kept closed during operations.
9. Operatives instructed not to drop materials from the grapple at height to reduce the noise exposure from site when carrying out demolition works.
10. An acoustic barrier shall be erected around works if noise levels exceed the recommended level.
11. Hearing protection shall be supplied to operatives if exposed to levels above 85db
12. Areas where noise exposure is above 85db shall be clearly signed 

9: Vibration

*All vibration controls implemented and further guidance shall be in accordance with **BS standard 5228-1:2009 code of practice for noise & Vibration control on construction sites (part 2)***

Work methods:

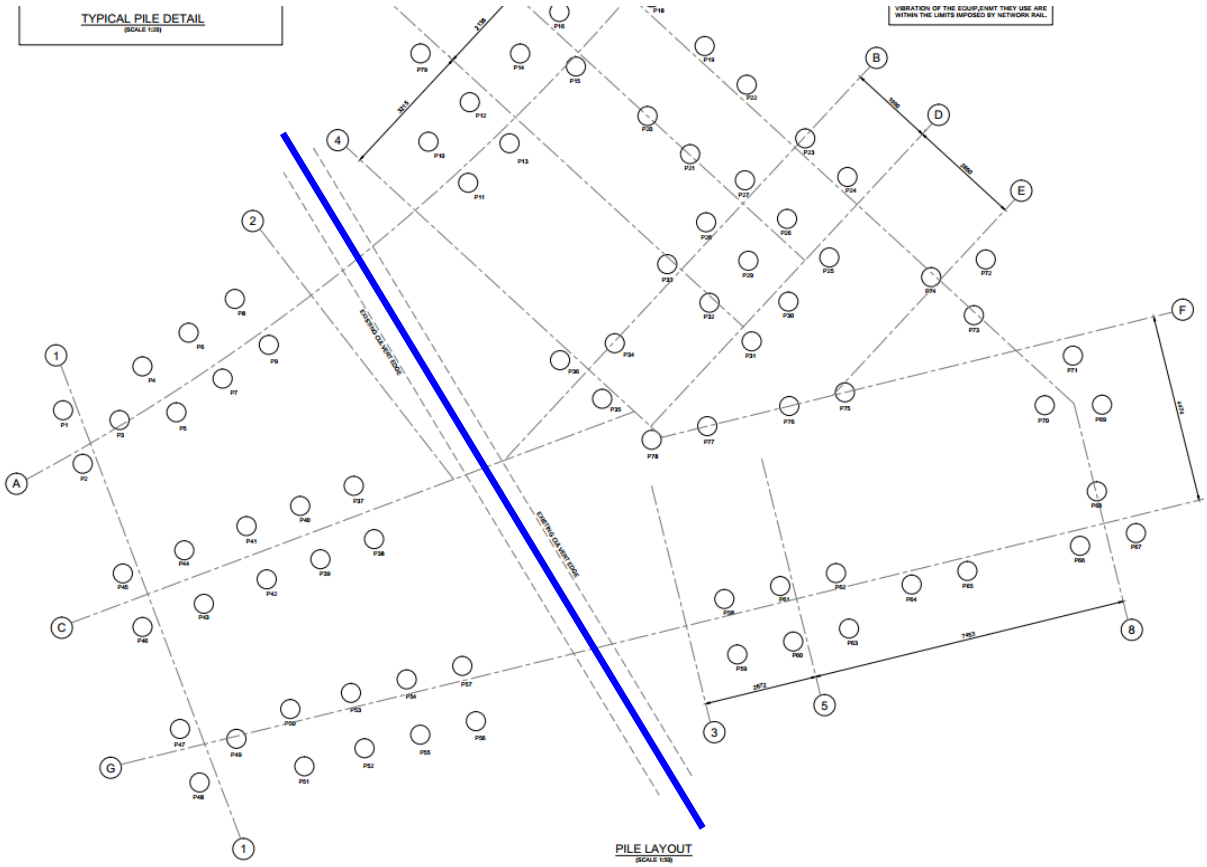
1. Work undertaken in daytime hours only to the site stipulations.
2. Works only undertaken in the confines of the site.
3. Employees trained to employ appropriate techniques to keep vibration to a minimum.
4. Mobile plant positioned in specific areas and the direction of operation/excavation to reduce the vibration impact imposed on other, neighbouring properties.
5. Machinery serviced annually/periodically from new.

Dawkins construction group – Dawkins house, Packhorse place business park, Watling Street, LU6 3QU
Tel 01582493731

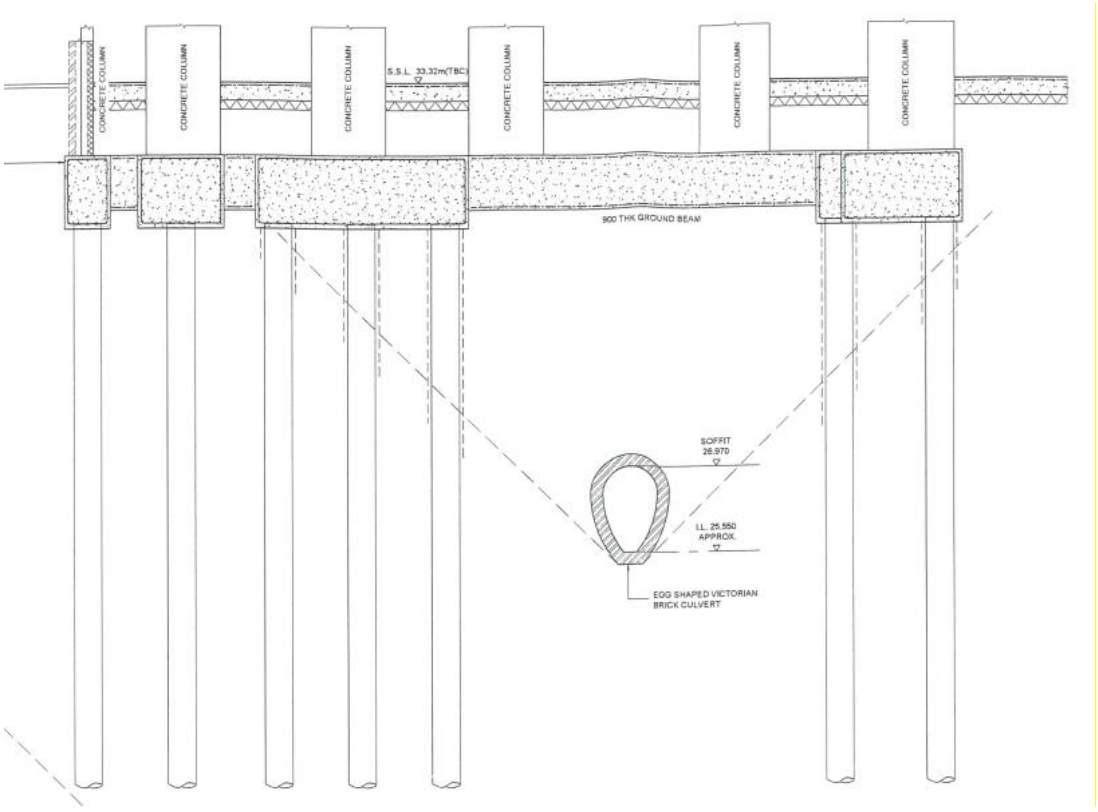
6. Mobile plant purchased from new with minimal vibration output/exposure to operative.
7. Ergonomic seating adaptable to operative requirements/needs to reduce vibration exposure to operative (see RA 2.1 also).
8. HAV monitoring form (5.24.1) completed by all operatives undertaking cutting operations.
9. HAV exposure shall be calculated using HAV ready reckoner calculator (5.24.2) and manufacturer plant hire vibration tool output document.
10. Exposure to vibration works reduced by rotating operatives regularly.
11. Site supervisor to ensure ELV is never exceeded.
12. HAV points totalled and documented on document 5.24.1.
13. Anti-vibration gel gloves worn to reduce the vibration exposure further

10: Utility Protection

1. Service drawings are to be obtained from the client from all statutory authorities.
2. Disconnection and isolation certificates are to be obtained from the client.
3. Pile positions are to be marked and visually inspected for any chambers or scarring in the existing surfaces that may indicate a service being present.
4. Area to be CAT scanned by a suitably trained operative and any potential services marked with paint.
5. Existing utilities plans are to be checked including any abandoned building connections shown on Thames Water plans. These are to be marked with paint on site.
6. **HOLD POINT – Permit to break ground to be issued and operatives briefed on known services. Operatives shall adhere to permit conditions at all times.**
7. Competent and suitably qualified persons to undertake tasks and records kept of their qualifications.
8. Any potential services in close proximity to piles are to be hand dug in a trial hole methodology to investigate for signs of service e.g. sand, marker tape, shingle pipe surround to a depth of 1.2m.
9. Whilst preparing for piling, a reduced dig of approximately 600mm across the site will be undertaken, any scaring in the made ground is to be investigated as above prior to laying the pile mat.
10. Where necessary services shall be isolated.
11. The pile design has been completed to avoid the Thames Water trunk sewer shown below for which an accurate surveyed position has been established via man entry with above ground survey. This has also been subject to the completion of a build over agreement which has been completed by the client with Thames Water.



Above and below: Piles avoid and structure spans over Thames Water trunk main.



Dawkins construction group – Dawkins house, Packhorse place business park, Watling Street, LU6 3QU
Tel 01582493731

11: Mobile plant & equipment to be used:

- A Klemm 709 Piling Rig.
- A Putzmeister concrete pump.
- Hymix Concrete Agitator
- 360 excavator

The plant and equipment that Dawkins expect to use:

All plant will have been serviced regularly and inspected daily by the operative and any defects reported back to the management.

12: Personnel Protective Equipment:

The following items will be worn at all times by all Dawkins operatives.

Hard Hats. These hard hats are CE certified and compliant to EN397 (for external works).

Steel toe capped boots: They will be compliant to EN 345, 200 Joules and have steel midsole to prevent piercing from sharp objects should the boot be placed on them.

High Visibility Vests: These will be replaced once they become damaged, discoloured or washed more than the manufacturer's recommendations. They also CE certified and EN 471 CLASS TWO.

Eye Protection: Supplied new by Dawkins these are compliant with EN166 1.F. They will be replaced when they become scratched or damaged.

Hand Protection: Gloves will be supplied new by Dawkins they are compliant to EN 388.

13: Additional PPE:

RPE – FFP3 standards.

Face screen protection – Standard stated in RA

Hearing protection– EN 352

14: Emergency Procedures:

The site supervisor for Dawkins construction shall be qualified to SMSTS standard.

All accidents/incidents are to be reported to site management and PC management notified where appropriate.

All accidents/incidents shall be investigated by Dawkins H&S manager.

15: COSHH

Any substance that is required in the undertaking of this job will have a COSHH assessment written up, deriving from the COSHH data sheet provided by the manufacturer

16: Permits to work;

Permit to break ground

17: Supporting Documentation:

RA – 2.8 /1.4

18: Welfare
Existing on site welfare facilities will be used by employees.

19: Method Statement Briefing Record:
The following operatives have received the Dawkins induction to the site. This method statement has been issued to them, they have read it and understand and accept its contents.

Date	Name (Print)	Signed

Other Method statements issued in accordance with this method statement for specific tasks have been issued with competency assessments being undertaken to ensure methodology has been understood.

20: Amendments

- If deviation from this method statement is required, work shall cease. Amendments shall be made to the method statement by either Dawkins contract manager or Dawkins health and safety manager prior to work recommencing.
- All amendments shall be approved by PC management prior to work recommencing.
- All amendments shall be relayed to operatives prior to work recommencing

21: Contacts

Contracts manager – TBC

H&S Advisor – James Stewart - 07808241680