

## GROUP METHOD STATEMENT

### Hutte 204

Acceptance by Group						Acceptance by Main Contractor	
Submittal History	Date:	Prepared by:	Checked by:	Approved by:	Description of modifications:	Accepted by	Date:
Rev 00	14/5/24	JM	DH	JM	Comments and approval		

<b>Comments</b>
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<b>Contract No:</b>	F23138
<b>Contractor:</b>	Erith
<b>Site Address:</b>	100 Grays Inn Road
<b>Project Manager:</b>	Steve Gillam
<b>Mobile No:</b>	
<b>Normal Working Hours:</b>	0800 – 1800 Monday to Friday

## Method Statement for: Hutte 204

### Piling Operation: SFA

<b>Contract No:</b>	F23138
<b>Contractor:</b>	Erith
<b>Site Address:</b>	100 Grays Inn Road
<b>Project Manager:</b>	Steve Gillam
<b>Mobile No:</b>	
<b>Normal Working Hours:</b>	08:00 – 18:00
<b>Project Type:</b>	Case and augured piles
<b>No of Piles:</b>	31no
<b>Pile Diameter:</b>	450mm
<b>Contract Start Date</b>	TBC

## CONTENTS

<b>METHOD STATEMENT FOR: HUTTE 204 .....</b>	<b>2</b>
<b>PILING OPERATION: SFA.....</b>	<b>2</b>
<b>1. SCOPE OF WORK .....</b>	<b>4</b>
<b>2. PROGRAMME.....</b>	<b>4</b>
<b>3. RESPONSIBLE PERSONS WITHIN GROUP.....</b>	<b>4</b>
<b>4. SITE CONTROL.....</b>	<b>ERROR! BOOKMARK NOT DEFINED.</b>
<b>5. PLANT AND MACHINERY MOVEMENTS.....</b>	<b>5</b>
<b>6. COMMUNICATION AND CONTACT DETAILS .....</b>	<b>5</b>
<b>7. EMERGENCY ARRANGEMENTS .....</b>	<b>5</b>
<b>8. HEALTH &amp; SAFETY .....</b>	<b>5</b>
<b>9. SITE OPERATIVES/TRAINING.....</b>	<b>6</b>
<b>10. SUPPLIED PLANT &amp; EQUIPMENT .....</b>	<b>6</b>
<b>11. FRANKI FOUNDATIONS UK GROUP REQUIREMENTS .....</b>	<b>7</b>
<b>12. MOBILISING ONTO SITE .....</b>	<b>8</b>
<b>13. EQUIPMENT SET UP .....</b>	<b>8</b>
<b>14. STEEL REINFORCEMENT .....</b>	<b>9</b>
<b>REPEAT 5.1.1 TO 5.1.3 UNTIL REQUIRED NUMBER OF CAGES HAVE BEEN FIXED. ....</b>	<b>9</b>
<b>15. PILING OPERATIONS.....</b>	<b>9</b>
<b>16. CONCRETE PUMPING &amp; DELIVERIES .....</b>	<b>10</b>
<b>17. SECURING EQUIPMENT DAILY .....</b>	<b>10</b>
<b>18. EQUIPMENT DE- RIGGING.....</b>	<b>11</b>
<b>19. DE-MOBILISING FROM SITE .....</b>	<b>11</b>
<b>20. ENVIRONMENTAL.....</b>	<b>11</b>
<b>21. QUALITY CONTROLS .....</b>	<b>12</b>
<b>22. EMPLOYEES CONFIRMATION .....</b>	<b>13</b>

## 1. Scope of Work

This WPP has been prepared for the piles which are to be carried out at 100 Grays Inn Road

- PHASE 1 = 31 no 450mm dia case and augered piles.
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This Work Package Plan must be read in conjunction with the following Task Briefing documents:

- Mobilisation of Plant and Equipment
- Rig guarding and Exclusion Zones
- Installation of Casing and Boring to Depth
- Installation of Reinforcement
- Concreting
- Temporary Casing Extraction
- On Site Welding

## 2. Programme

The start date is TBC

Works are programmed for PHASE 1 = 2 weeks - working 08:00 – 18:00 Mon-Fri.

## 3. Responsible Persons within Group

Position	Responsibilities	Contact	Contact Details
Group Managing Director	Director of Health & Safety at Franki Foundations UK Group to implement, co-ordinate and control the administration of Health and Safety matters within the company	Craig Macklin	01322 479000 craig.macklin@frankifoundations.co.uk
Group Operations Director	Director of contracts and new developments, control all Operational matters within the company	Alan Turner	01322 479000 07917 186 160 alan.turner@martellopiling.com
Group Health & Safety Manager	To monitor, control and correct the H&S actions of all employees and others under his jurisdiction to ensure H&S is prioritised and that the company's H&S Policy is fully understood/ implemented. To investigate accidents, incidents and near misses		
Contracts Manager	To manage all contracts and ensure that any new developments are communicated both quickly and effectively to all company staff.	Jim Moore	01322 479000 07584 026 865 Jim.moore@frankifoundations.co.uk
Foreman /Supervisor	To ensure all operations on site are carried out in a safe manner To manage Site Staff within the groups legal requirements, policies, works program. groups Site FIRST AIDER	TBC	

#### 4. Plant and Machinery Movements

All plant and vehicle movements will be under the control of a vehicle marshal or banksman. Exclusion zones around plant must be enforced along with plant and pedestrian segregation by means of barriers.

All piling rigs will be checked DAILY by the piling rig operator and recorded on the Rig Inspection Sheet which is submitted on a weekly basis. All other plant and equipment will be checked on a weekly basis

#### 5. Communication and Contact Details

Whilst on site mobile phones are not to be used on site unless in a designated position of safety.

Organisation	Position	Contact	Phone Number
Franki Foundations UK Group	Group Health & Safety Manager	Alan Turner	07917 186 160
Franki Foundations UK Group	Contracts Manger	Jim Moore	07584 026 865
Franki Foundations UK Group	Site Supervisor and First Aider.	TBC	

#### 6. Emergency Arrangements

In the event of an emergency, works are to stop immediately & be made safe. If necessary contact the emergency services (999). Notify site manager/supervisor .

If a fire is discovered, raise the alarm and evacuate the site as per the fire plan.

The nearest hospital is: As per site inductions and Construction Phase Plan.

The Rig Driver/Site Supervisor is the person in control of the works at site level. Should any problems arise beyond his authority, Contracts manager, operations manager or construction manager will be contacted.

Any problems with Health & Safety arising on site, the construction manager should be informed immediately.

#### 7. Health & Safety

The Groups employees will operate in a safe and diligent manner at all times in accordance with their Health & Safety Policy. They will work in accordance with the method statement and risk assessment at all times.

Personnel Protective Equipment will be worn at all time whilst on site the company's minimum requirement is: Hard Hat, Safety Boots, Safety Glasses, Gloves and Hi-Viz Vest or Jacket. Additional Personnel Protective Equipment will be worn for site specific work as required by the risk assessment i.e. Overalls and Ear Defenders.



Health & Safety is monitored daily by the construction Manager and any incidents, accidents or near misses are investigated promptly. All employees are encouraged to report any accidents, incidents or near misses to the construction manager.

Site Inspections are carried out monthly; any findings are passed on to the relevant managers to act.

The group has a Safety, Quality & Environmental Committee which meets weekly to discuss issues arising.

All Group site employees will undertake the Erith site induction before commencing work on site.

## 8. Site Operatives/Training

The CFA piling rig requires a Group Rig Driver/ Site Supervisor: Is in control of day to day running of the site and liaising with the Site Manager if any problems arise. The Rig driver will hold a minimum of a CPCS Piling Rig Operator Ticket and CSCS Site Operatives Card.

The Group Pump Operator will hold a CSCS Site Operatives Card and are working towards or hold a CPCS Trailer Mounted Pump Ticket.

The Group Banksman will hold a minimum of a CSCS Site Operatives Card and are working towards or hold a CPCS Slinger/Signaller Ticket.

1/2 Steel Fixers [Sub – Contractors]: The Steel fixer will hold a minimum of a CSCS Operatives Card.

The Group Setting Out Engineer will hold a minimum of a CSCS Site Operatives Card.

No Group employee is to use equipment for which they have not been trained and authorised by Franki Foundations UK Group Management.

The Contracts Supervisor or Rig Driver will deliver a Tool Box Talk on commencement of the contract and at weekly intervals through-out the contract. A copy will be made available for the client if requested.

## 9. Supplied Plant & Equipment

Franki Foundation UK Group will supply the plant and equipment below for the contract.

**CFA Piling Rig:** The Piling Rig is inspected yearly by a qualified insurance inspector [certificate provided]. All lifting equipment, fall arrest and safety harness are tested every six months. A competent person will complete the LOLER [Lifting Operations and Lifting Equipment Regulations] book weekly. All faults are listed weekly on the Weekly Examination Sheet and sent to the office for action. Any immediate problems are telephone directly to the Plant Manager. All the above information is kept on the piling rig ready for inspection

**Trailer Mounted Concrete Pump [Hired Putzmeister 55]:** This equipment comes under the PUWER regs [Provision and Use of Work Equipment Regulations], the equipment is inspected weekly by a competent person and the findings are logged in the PUWER book and Weekly



Inspection Sheet. Any immediate problems are telephoned directly to the hire company.

**The Holding Drum:** This equipment comes under the PUWER regs [Provision and Use of Work Equipment Regulations], the equipment is inspected weekly by a competent person and the findings are logged in the PUWER book and Weekly Inspection Sheet. Any immediate problems are telephoned directly to the Plant Manager.

**Two Tooled Compressor [Hired]:** This equipment comes under the PUWER regs [Provision and Use of Work Equipment Regulations], the equipment is inspected weekly by a competent person and the findings are logged in the PUWER book and Weekly Inspection Sheet. Any immediate problems are telephoned directly to the Hire Company.

**Mobile Elevating Work Platform [MEWP] [Hired]:** MEWP is inspected six monthly by a qualified insurance inspector. [See MEWP for Certificate] A Competent person will inspect the MEWP weekly and record there findings in LOLER [Lifting Operations and Lifting Equipment Regulations Handbook]. Any immediate problems are telephoned directly to the hire company.

**1000ltr Diesel Bowser:** Will be stored in a secure location near the holding drum.

**Auxiliary Equipment for CFA Piling:** Augers, Concrete Hoses, Water Butts, Cage Stands and Small Tools.

## 10. Franki Foundations UK Group Requirements

1. Erith will provide the following:
2. The nearest accident and emergency hospital together with direction is to be provided to site operatives during the site induction by the Principal Contractor.(Indicated in the Construction Phase Plan).
3. The Principal Contractor will provide first aid facilities as required. Franki Foundations UK Group personnel will be made aware of the identity and location of these facilities during the site induction.
4. Identification, excavation and or protection of all services (chartered or un-chartered) within the site access route and the site area. These include but not limited to electricity, water, telecoms, gas and sewerage.
5. Protection / excavation and capping of all ducts, pipes, channels, culverts and sewers to prevent damage and loss of concrete.
6. Protection to adjacent buildings, pathways, highways from spoil, concrete slurry and bore spoil debris.
7. Provision of service drawings relevant to pile locations). Identification and maintenance of service locations and easements zones on site.
8. The principal contractor will provide a permit to pile, confirming pile positions are clear of all site services (chartered or un-chartered) .
9. All work areas to be segregated.



10. Health & Safety requirements and welfare facilities with accordance to the CDM 2015 regulations.
11. An attendant 360 Tracked Excavator [Minimum 5 Tonne] & Qualified Driver to be in 100% attendance at all times.
12. Install and Maintain the working platform when required.
13. To protect the public from the piling works.
14. To provide road protection for unloading the piling rig (8x4 ply).
15. To provide mains water to the Group foundations holding drum.

## **11. Mobilising Onto Site**

The low loader will arrive at the entrance of the site. The unit will be disconnected from the trailer and parked away from the entrance, protection boards will be laid on the road and when ready the banksman will signal to the rig driver to commence unloading the rig. The rig will be tracked-off the low loader via remote control and on to site, in a position to rig up. The Piling rig will be banked at all times while on site by a banksman.

A Hiab lorry and trailer will arrive on site to deliver the holding drum, concrete pump and the auxiliary equipment it will be banked by the banksman into a position to drop the trailer. It will then be banked in to a position to unload, a lorry restraint will be placed around the lorry bed before the banksman climbs on to the lorry, when empty it will return to the trailer and lift the holding drum on to the lorry, then be banked in to a position to unload the holding drum. The pump operator will assist with the unloading and place the equipment in a designated area making sure it is safe and secure. When unloaded the Hiab lorry will then be banked off site by the banksman.

A hire company will arrive on site and deliver the compressor, hoses and whip checks, it will be banked on and off site by the banksman.

A reinforcement lorry will arrive to deliver the steel reinforcement which will be in 1 tonne bundles; this will be banked on to the site by the banksman. The Piling Operatives will assist in unloading the steel aided by the 360 Excavator and places it on bearers in the designated area. When unloaded the lorry will be banked off site by the banksman.

## **12. Equipment Set Up**

The holding drum will be put in a position so the Concrete pump will be placed in front. Metal and rubber hoses will then be attached together using hoses clamps and secure using clevis pins, to the required length then the hoses will be connected to the piling rig.

At the beginning or end of each day the Holding drums water reservoir will be filled with water and a grout (Use of prime-a-pump), will be made up in the half barrel to line the hoses. Mould oil will be sprayed onto the concrete pump and holding drum to help stop the concrete sticking. The engine



oil, hydraulic oil and diesel levels will be checked and topped up when necessary.

When the holding drum requires moving dragging chains will be place on the excavator and the other end attached to the holding drum it will be lifted off its bearers and the bearers removed. It will then be dragged into the new position and raised and the bearers placed under the runners of the holding drum, the dragging chains will then be removed. The concrete pump will be moved by the excavator and placed in front of the holding drum.

### **13. Steel Reinforcement**

The Cages will be made on site by Sub-Contractors Steel fixers.

They will place steel reinforcement on to cage stands and feed a helical around the bars they will then tie the bars to the helical using tie wire.

When completed they will remove the cage from the stands and place it on the floor. If making heavy cages, chains will be fitted to the excavator and attached to the cage it.

Repeat 5.1.1 to 5.1.3 until required number of cages have been fixed.

### **14. Piling Operations**

1. FFUK will issue a permit to dig.
2. The piling rig is moved around the site with a banksman banking it at all times.
3. The banksman will bank the rig over a pile position when in position he will tell the driver to level up.
4. The rig driver will then level the rig and wait for instructions from banksman.
5. The banksman will then bank the auger over the pin and signal to the rig driver when it is in position. The banksman will then instruct the rig driver to raise the head and remove the pin.
6. The banksman will instruct the rig driver to lower the head so the auger is on the ground. The banksman will check the teeth of the auger before starting of each pile, if they need replacing he will signal the rig driver to raise the drill head pen the gates and replace the teeth.
7. The banksman will instruct the rig driver to lower the head so the auger is on the ground.
8. The gates will be kept closed at all times during piling operations.
9. Segregation barriers along with warning signs will be placed around the front of the piling rig when working with the gates open (permit to be issued).
10. The banksman and Slinger will prepare a cage by placing de-bonding and a set number of spacers on to the helical and then moving the cage into position for lifting.
11. The rig driver will check the pile number then place the pile number into the computer system then he will commence drilling down to the required depth.

12. The rig driver will start the drilling process, once the string of augers are at ground level he will stop drilling, the slinger will remove the auger pins, the rig driver will lift the head to allow the fitting of the next auger, a drop chain and shackle will be attached to the excavator/service line, the slinger will attach the drop chain to the auger by a lifting bail, the excavator/rig operator under the instruction of the slinger will guide the auger onto the existing auger that is protruding from the ground. The rig driver will lower the head and attach it back onto the auger. The slinger will place two auger pins back into the auger to secure it in place, tie wire will be attached through the auger pin holes to secure them in place. Repeat 10.12. Until required depth is achieved.
13. Once the required depth is achieved the rig operator will signal to the pump operator to commence pumping the concrete, when the pile is being filled the rig driver will lift the head to allow the concrete to flow from the auger, once a section of auger is above ground level the rig driver will signal to the pumpsman to cease pumping. The banksman will insert an auger catching plate to hold the auger, the slinger will attach the drop chain and shackle to the digger/service line, he will then remove the tie wire and pins from the augers, the rig driver will raise the head to allow the removal of the auger. The slinger will attach the lifting bail to the auger secured with two auger pins, he will signal to the excavator/rig operator to lift the auger section and place it by the side of the piling rig. The slinger will remove the auger bail from the auger then remove the chain and shackle from the excavator/service line. The rig operator will lower the head back onto the next auger, the slinger will insert two auger pins, the rig driver will signal to the pumpsman to commence pumping. Repeat 10.13. Until piling operations are completed.
14. The banksman will then instruct the excavator driver to remove the spoil from the top of the pile.
15. The Slinger will attach a shackle and chain to the arm of the excavator. The drop chain will be attached to the pile cage, The slinger will then instruct the excavator operator to lift the cage and place it over the pile. The Slinger will then instruct the excavator to lower the cage into the pile assisted by the Slinger until the cage is at ground level.
16. Repeat 10.5 to 10.15 until job is complete

## **15. Concrete Pumping & Deliveries**

Concrete will arrive at intervals through out the day they will be banked over the pile location. The Banksman will check the concrete ticket and slump of the concrete before use.

The Banksman will instruct the lorry driver to discharge the concrete into the pump hopper.

Once empty, the concrete lorry will be banked over to the designated clean out area to wash out the drum.

The concrete lorry is then banked off site by the banksman.

## **16. Securing Equipment Daily**

The piling rig will be banked in to a designated area to park, The rig driver will turn off the rig and remove the keys; he will then lock all the doors on the rig making sure every thing is safe then turn off the isolator switch.



Site security fencing will be erected if removed by Franki Foundations UK Group Employees before they leave site.

## **17. Equipment De- Rigging**

The Rig driver will be banked into a position to de-rig.

The slinger will attach the drop chain to the service line, the drop chain will be wrapped around the auger, He will then remove the auger pins. The rig driver will lift the head to remove the auger from the coupling. The rig driver will raise the service line to lift the auger; the slinger will manoeuvre the auger away from the piling rig. The auger will be placed in an area next to the rig ready for collection. Repeat 13.1 until all augers are removed.

The rig driver and banksman will begin to lay the mast into the traveling position.

## **18. De-Mobilising From Site**

The low loader will arrive at the entrance of the site. The unit will be disconnected from the trailer and parked away from the entrance, protection boards will be laid on the road and when ready the banksman will signal to the rig driver to commence loading the rig. The rig will be banked onto the low loader.

2 Hiab Lorries will arrive on site, one to collect the auxiliary equipment; lorry 2 to collect the concrete holding drum .lorry one will then be banked in to a position to load, the slinger will assist the lorry driver to load all the auxiliary equipment. The lorry driver will then strap down the equipment. He will then be banked off site by the banksman.

Lorry two will be banked onto position by the banksman, the slinger will assist the lorry driver in the loading of the holding drum. This will be completed in one lift.

## **19. Environmental**

Franki Foundations UK has an environmental management system in place.

Franki Foundations UK adequately manages our works to prevent pollution and continually improve the environmental activities of our piling operations.

Franki Foundations UK will work closely with Erith to ensure all environmental issues are managed quickly and efficiently.

Franki Foundations UK will supply a spillage kit and this will be kept near the oils and diesels at all times.

## **20. Quality Controls**

A pile design and (working platform design if required) will be sent to the client prior to the piling rig arriving to site.

On commence of the contract a Contracts Supervisor will be on site to assess the site before drilling commences.

The rig driver will have a drawing with piles and depths on and will check with the banksman on every pile, these are recorded on a daily log sheet at the end of each day details are rung into the office and the information logged on the Groups computer system which makes sure of correct depth, steel and wastage on all piles.

Cubes are taken if requested by the client these are taken by a specialized company that arrive on site make cubes and then the cubes are tested at 7 and 28 days to confirm the strength of concrete. Results are released after testing.

Integrity testing take place if requested by the client at a minimum off 7 days after the piles were formed, the client rings Franki Foundations UK Groups offices and informs when they will be ready, a specialized company arrives on site and tests the integrity of the pile.

Results are released after testing.

The Operations Manager, Contracts Manager and Constructions Manager will monitor the quality of the test results daily for the duration of the contract of works.

## 21. Employees Confirmation

### Group Briefing Attendance Sheet

Contract:		Contract No:	Date:
Briefing Type (tick as appropriate)		Title	Ref No.
General Daily Briefing			Revision
Method Statement			
Risk Assessment			
COSHH Assessment			
Procedure			
Tool Box Talk			
Other			
N.B. – Signing of this form constitutes a declaration that you have fully understood the contents of the briefing given.			
	Name (Print)	Signature	Date
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I, the undersigned, declare that I have briefed the above personnel on the briefing as stated.			
Name (Print):		Signature:	
Company:		Date:	