



Our Ref: **DJ/PN2400279373**

25th June 2025

Sandycroft Projects Limited

Wharfside
Festival Way
Stoke on Trent
ST1 5PU

FAO Dean Gablin

Re Dialysis Unit Acacia Avenue Port Talbot

Dear Sirs

Further to your recent correspondence regarding the piling planning condition, please find enclosed a method statement for the proposed piling at the site in Acacia Avenue.

There are two basic types of pile, replacement, where the soil plug is replaced with concrete and displacement piles where the soil is pushed aside and not brought to the surface. On this site we have chosen a displacement technique for both environmental and technical reasons. Displacement piling prevents the creation of pollution pathways and does not create spoil which from a brown field site could have detrimental effects on human health. Technically this is the appropriate solution due to the soft deep alluvial deposits which contain organic material and are unstable. A preformed replacement pile will support the ground and is less likely to have compromised integrity.

We have installed many driven piles in the locality, typically a precast pile would be the pile of choice however given the proximity to neighbouring dwellings we have proposed a bottom driven steel tubular pile which produces much less noise and vibration.

We trust the method statement is sufficient to discharge the condition however if you or the local authority require anything further, please let me know.

Yours Faithfully

For and on behalf of Roger Bullivant Ltd

Regional Technical Sales Manager



	METHOD STATEMENT	Page 1 of 4
	MINI-PILING AND RESTRICTED ACCESS PILING	Rev:5.0 Approval Date 17/03/2025
	220mm DIAMETER BOTTOM DRIVEN MINI PILE	MRA-MST 1333

Contract Number PN2400279373	Contract Name Dialysis Unit, Acacia Avenue Port Talbot
Signed as Reviewed for Use On This Contract	Print Name David Johnson

1.0 Purpose and Scope

- 1.1 This Method Statement describes the process for the installation 220mm diameter bottom driven mini piles, using an internal drop weight.

2.0 Health and Safety Controls

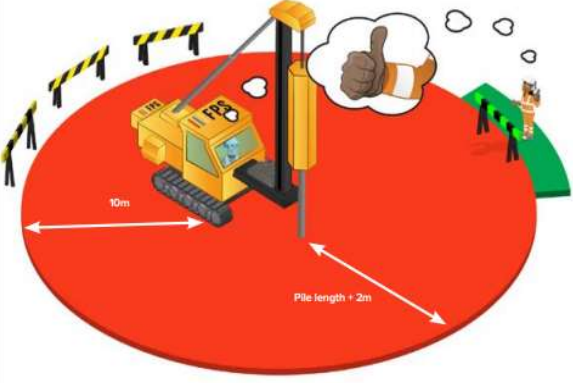
- 2.1 All Loading/Unloading operation must take place within a controlled exclusion zone.
- 2.2 Where a Loading/Unloading operation cannot take place on the main site e.g. Public Highway consultation with the PC, Site Agent, RBL Regional Site Management and RBL Site Operatives must take place with hazards identified and control measures detailed/recorded within a Site Specific Risk Assessment approved by the Piling Operations Manager and reviewed by the H&S Department.
- 2.3 Loading/unloading on public highways should be avoided, however, if necessary adequate and appropriate traffic management should be employed as required under the New Roads and Street Works Act (NRSWA) 1991. This should be provided by others and not Roger Bullivant Ltd.
- 2.4 See Risk Assessment
- SAF-RAS 1001 – General Risk Assessment
 - SAF-RAS 1008 – Bored Piling Risk Assessment
 - SAF-RAS 1009 – MRA & UMP Risk Assessment.
- 2.1 SAF-WID 1047 – Restricted Zones.
- 2.2 FPS Plant Restricted Zones Handbook.
- 2.3 Inspection of all lifting equipment before use.

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DRIVEN PILING RIGS /VCC/DCIS RESTRICTED ZONE

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Red Zone: The Rig Operator must ensure the rig is placed in a safe condition before an Authorised Person enters the Red Zone. The operator must give a 'Thumbs up' to the Authorised Person wanting access confirming it is safe to enter before they enter the Red Zone.

✓

Green Zone: Rig Operators sight line (safe approach), optimum Rig Attendant position.

Note: People entering the Red Zone must be aware of and consider loads being lifted by the rig and the increased risk of falling objects and plant movements from other plant such as excavators and dumper trucks.


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3.0 Environmental Controls

3.1 Refer to ENV-MST 0001 – Environmental Controls During Onsite Operations.

4.0 Process

4.1 Prior to Starting Work

- 4.1.1 A restricted zone shall be set up around the working area in accordance with SAF-WID 1047 – Restricted Zones and FPS Restricted Zone Guidance
- 4.1.2 The Site Foreperson shall ensure that all the safety requirements for the piling operations are in place and in accordance with the Company Management System procedures including non-RBL personnel that may be affected by the works.
- 4.1.3 The preparation for piling operations shall be in accordance with reference 2.0.

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4.2 Method

4.2.1 All plant and materials will be delivered to site using a wagon and off loaded and placed in the specified areas.

NOTE: Before any piling can commence an Underground Services Permit to Dig / Avoidance of Overhead Services Permit to Work must be completed by the Competent Person who has conducted the underground / overhead services survey.

4.2.2 All plant and equipment will be delivered on a crane mounted wagon.

4.2.3 The plant and equipment will then be unloaded. The area of our works will have hard standing as the rig is unsafe on soft material. When all plant and materials have been located in a designated area, rig will then be tracked across (the weight will be strapped to the rig) to the first position.

4.2.4 Once in position the rig is checked for alignment the weight is then unstrapped and lowered to the ground. The mast is raised and locked into position and the weight is raised to allow the 2 metre "first" to be placed under the weight. The first is then filled with "dry pack" (approximately 300mm) and the weight is lowered into the casing. The casing is checked for alignment and the weight is lifted to approximately 200mm and dropped pushing the casing into the ground. The process is repeated checking the alignment at all times.

4.2.5 Once the casing has been driven down to within 200 mm of ground level the weight is raised to the top of the mast. More dry pack is added and another section of casing is added. The bottom of the second section of casing is slotted into the collar of the first section; this is then aligned and welded. (**Note:** During welding operations, measures **MUST** be taken to prevent the inhalation of fumes from welding operations, and a suitable fire extinguisher **MUST** be located within easy reach of the welder. The work area **MUST** be cleared of all flammable substances).

4.2.6 This procedure will be repeated until the required "set" is achieved.

4.2.7 This process will be continued until all piling is complete.

4.2.8 The piles will then be concreted using ready mix concrete.

4.3 Penetration Records

4.3.1 Where penetration records are required (as stated on the job sheet) the pile is to be installed as described in section 4.1 with the following additions.

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4.3.2 The first pile section used is to have a mark sprayed every 250mm along its length before being taken to the pile position. Subsequent sections are to be welded into position and then have a mark sprayed every 250mm along their length starting with the last mark on the previous section before being driven.

4.3.3 The second man is to count the number of blows the first section takes to penetrate 250mm into the ground and note this on the Penetration Record. This is to be repeated for each and every 250mm of penetration until the pile has reached its final set or static design depth depending on design requirements.

4.3.4 The final set is to be recorded on the Penetration Record and, where conducted on the same pile, a restrike set .

4.4 **Re-Strikes**

4.4.1 Where restrikes are required (as stated on the job sheet) they are to be conducted as follows

4.4.2 Select pile to be restruck, where possible the pile is to have been driven at least 24 hours previously (on 1 day jobs select the first pile driven). Where multiple restrikes are required select piles in different areas of the site.

4.4.3 Measure and record the restrike set on the Pile Record, if this is greater than the original set taken for the pile contact the Project Engineer for instruction before installing other piles.

4.5 **Safety**

4.5.1 The safety method statement for the operation of drop hammer rigs (Ref: MRA-MST-1342) must be on site and have been read and understood by all Operatives before any works commence.

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