M & D FOUNDATIONS (MIDLANDS) LTD

MINI-PILING METHOD STATEMENT

CLIENT:	**MR & MRS D RYAN**
CONTRACT:	**M.06317. 1 MOORLAND CLOSE, MARKET BOSWORTH. CV13 0NE**
CONTRACT REQUIREMENTS:	**INSTALLATION OF 220MM MINI CASED PILES**
RIG SIZE / TYPE	**1.50 TONNE TRACKED RIG WITH 3.50M MAST**
DRIVE WEIGHT	**MAX 0.60 TONNE**
DATE OF CONTRACT:	**T.B.C.**
DURATION OF WORKS:	**APPROX 5 DAYS (PILING)**
ANTICIPATED WORKFORCE:	**1 FOREMAN, 1 PILING HAND**
SITE FOREMAN	**TBC**
WORKFORCE PPE:	**STANDARD REQUIREMENT (BOOTS, HARD HAT, PROTECTIVE GOGGLES, HI VIZ JACKET, GLOVES**

THIS METHOD STATEMENT IS SPECIFIC FOR THE ABOVE CONTRACT AND IF WORK CAN NOT BE CARRIED OUT IN THE INTENDED MANNER THEN THE OFFICE SHOULD BE NOTIFIED IMMEDIATELY IN ORDER FOR THE WORK PROCEDURE TO BE RE-ASSESSED.

Site information including drawings will be provided by the client or their Engineers directly to our office and redistributed to our site supervisor together with any amendments during the contract.

In the unlikely event that a breakdown of plant or equipment occurs the office will be notified immediately where arrangements to repair or replace as necessary.

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The contract requires piles to be installed on the above contract for a proposed development.

The sequence of works are to be agreed between ourselves and the site representative. It is irrelevant which section of works is undertaken first providing that we are not working in an uneconomical sequence.

In advance of the contract, the site will have been visibly inspected to ascertain the suitability of the intended Piling Rig.

The Piling Rig will be delivered on our own delivery vehicle and unloaded directly on the site by the trained Piling Rig operator.

The Rig will have been inspected prior to arrival on site and checked for any adjustments or required renewal of worn parts or ropes. (This is carried out on a regular basis throughout the contract by our qualified supervisor.)

A small designated area has been agreed for the storage of piling tubes and associated materials and all unloading will be carried out by our own trained labour force in conjunction with the lorry crane and operator. The unloading area will be on the driveway away from the site or any trees.

In order to ensure no pollution occurs as a result of re-fuelling the rig, we can confirm that the rig will be delivered to site with a full sealed tank and no fuel will be stored on site.

The materials will be safely positioned in individual bundles directly on the ground. At no point will it be permitted to position materials in high stacks or in an unsafe manner.

Pile casings will be re located on site to the required pile positions by manual lifting. The piling rig will move between pile positions under its own power operated by our qualified supervisor.

The intended Piling Rig requires only a firm, level site suitable for the minimal loads associated with a mini excavator type machine. There is <u>not</u> a requirement for a thick stoned piling mat as associated with the larger type piling rigs.

Prior to work commencing, all public and domestic sewers/services in the vicinity of the work have been identified and there is no risk of damage as a result of our piling operations.

Should any unexpected movement of the ground occur, then work should be suspended and the office informed immediately prior to work proceeding.

Should any safety aspect of the works give cause for concern, then the office should be informed immediately.

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All work shall be carried out in accordance with the Contract Information, Work Instructions, COSHH Assessment and Risk Assessment.

Mini-piles will be installed at positions marked by the client or from grid lines supplied by the client.

Where piles cannot be installed at their specified positions (75mm), the office will be informed as soon as is practically possible and approval will be obtained for re-positioning the pile.

The inclination of piles will be set/checked with a spirit level, inclinometer or template.

The length, diameter and angle of all piles will be recorded on M & D Foundations (Midlands) Ltd Daily Report Sheets.

Where any obstructions are encountered or standing time is accrued, the office will be informed as soon as is practically possible and the times accrued will be recorded on the daily report sheet.

Where pile lengths or ground conditions appear to be at variance from those stated in the contract documents, the office shall be informed immediately to obtain permission to proceed.

Steel cased, driven piles – 220mm diameter

The piles will be formed using a small diameter piling machine to drive permanent steel liners through the full depth of weak strata and to penetrate the underlying firm bearing strata for a sufficient distance to achieve a 'set'. This will be determined by relating the required SBC per pile to dynamic calculations associated with the piling machine.

Where practical the first pile installed will be re-driven the following day or if not possible, later the same day to check that a false set has not been achieved.

Pile casings will be installed in 2 to 3.0m sections and will be extended as required using fully welded joints.

Piles will be nominally reinforced as required or as the design dictates.

Pile positions will be checked after installation.

Pile casings will be concrete filled in one operation where possible by means of a direct discharge from a concrete vehicle or by of a mobile concrete pump. This will again ensure that the ground surface in the location of works is not impacted from any concrete delivery trucks or dumpers.

It has been agreed with the client that a suitable area away from the works will be made available for any waste concrete which in this instance will be in the form of a skip located at road level on the clients driveway.

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Once the piles have been installed, the ground beams will be constructed upon 175mm depth Cellcore heave precautions within a sacrificial plastic formwork.

Prior to the ground beam being concreted utilising a concrete pump located away from the works, the work will be inspected by the local authorities for their approval for the ground beam to be completed.

Concrete levels in piles will be checked following completion of works.

EMERGENCY CONTACT NUMBERS

S. EDGWORTH DIRECTOR 07852 272322