

25/11/2021

Method Statement

Installation of Ground Screw Foundations

Method for Installing the Ground Screw for the foundation

When installing the foundation piles the area is firstly marked out, using high vis spray paint. Then, the points are inspected by hand and with a driving rod to check if there are any roots. Using a 50mm drill, the spot is pre-drill to inspect the ground conditions. Then using the installation rig the 200mm by 1000mm Ground Screw is bored into the ground. Top of the screw resting 50mm above ground level. The Timber deck is then placed onto the ground screw pipes.

Equipment Used

- Narrow Face Spade
- Hand Trowel
- Earth Auger



Ground Screw Installment



Timber Deck Installment

Root Protection

Roots will be treated in accordance with *BS 5837:2012 Trees in Relation to Construction*, Chapter 7.2.

All excavation in preparation for foundations, drainage and all works above ground level within the Root Protection Area of tree(s) will be carried out in a manner to ensure that all major roots uncovered in excess of 25mm shall be retained, bridged around and treated in accordance with *BS 5837:2012 Trees in Relation to Construction*, Chapter 7.2.

Any excavation which has to be undertaken within the root protection area will be carried out carefully by hand, avoiding damage to the protective bark covering larger roots. Roots, whilst exposed, will be wrapped in dry, clean Hessian sacking to prevent desiccation and to protect from rapid temperature changes. Roots smaller than 25 mm diameter may

be pruned back, preferably to a side branch, using a proprietary cutting tool such as bypass secateurs or handsaws.

Roots larger than 25 mm , or in clumps will only be severed following consultation with an arboriculturist, as they may be essential to the tree's health and stability.

Prior to backfilling, any Hessian wrapping will be removed and retained roots will be surrounded with uncompacted sharp sand (note: not, builders sand), or loose granular fill, before soil or other material is replaced. The imported topsoil for backfilling will be of good quality and free of contaminants and foreign bodies, it will be well graded and friable to promote good growing conditions and perform as a suitable rooting medium, in accordance with *BS 5837:2012 , Trees in Relation to Construction*, Chapter 7.2.4.

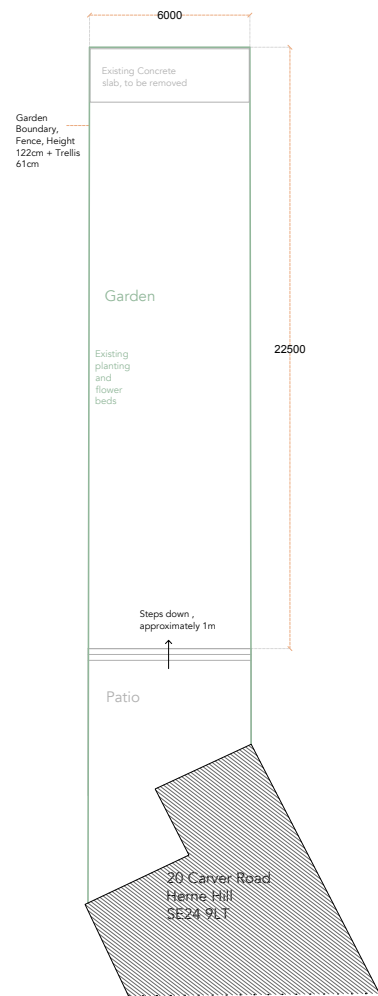
Equipment Used

- Narrow Face Spade
- Hand Trowel
- Stiff Hand Brush
- Hi Vis Paint (for spot marking roots)
- Hessian (to wrap exposed roots)
- Duct Tape (to secure hessian)

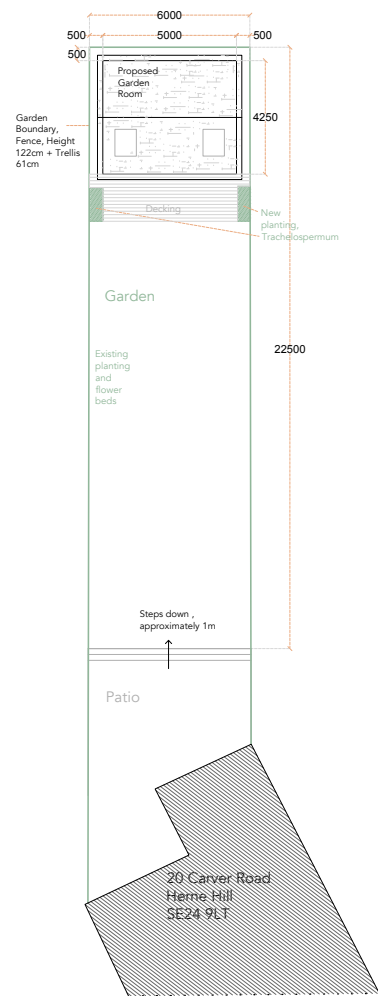


Root Protection Process

Site Plan 20 Carver Rd



Existing Site Plan

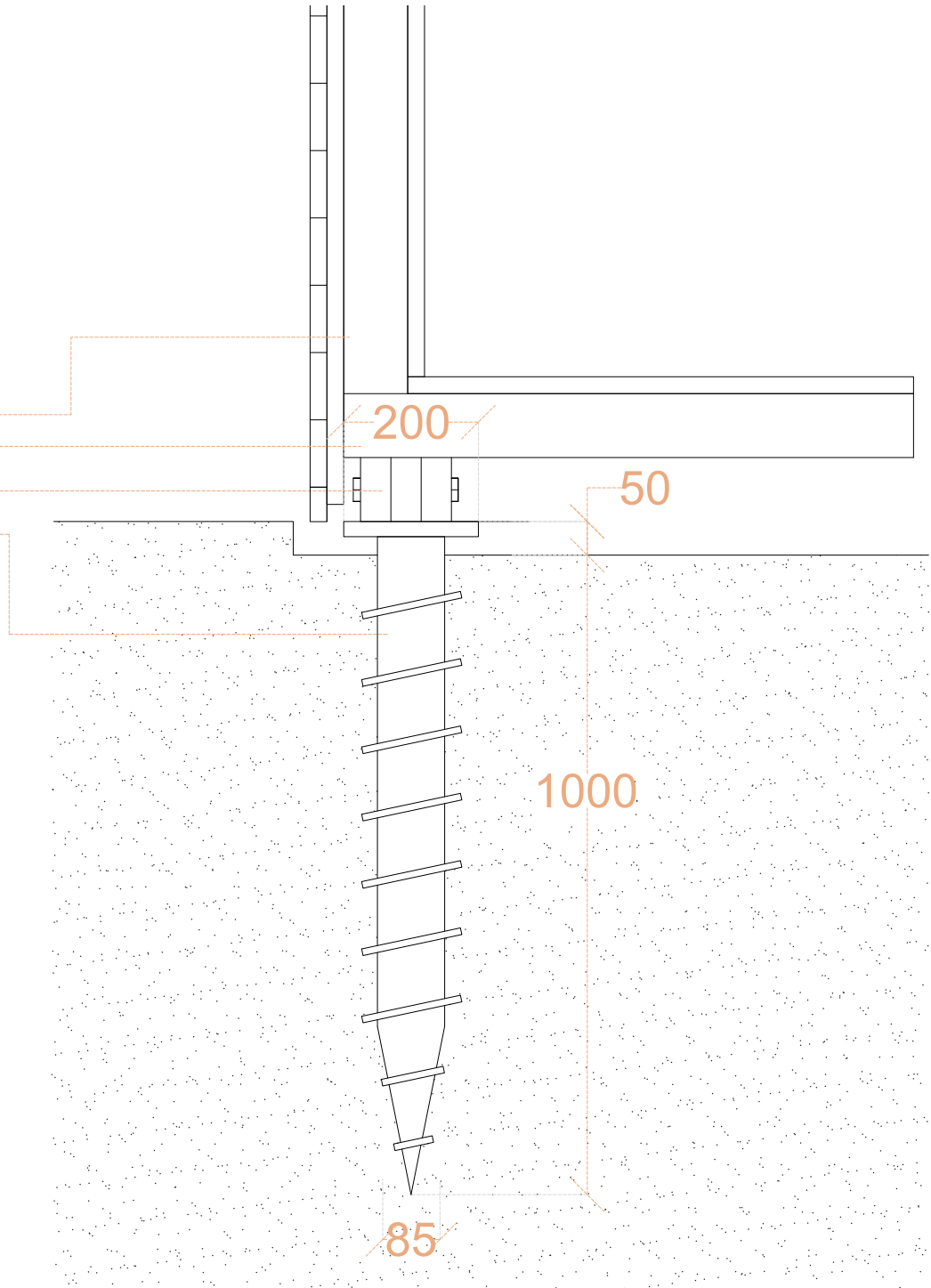


Proposed Site Plan

DATE CREATED 08.03.21	
PROJECT Proposal for Garden Studio	
ADDRESS 20 Carver Road Herne Hill SE24 9LT	
NOTES <ul style="list-style-type: none">- These drawings are for planning purposes only- Unit of measurements mm, unless otherwise specified <div><div><div>1m</div><div>2m</div><div>5m</div></div><div>N</div></div> Drawings at 1:200 on A3	
DRAWING TITLE Existing and Proposed Site Plan	
DRAWING NUMBER 03 P301	
REVISION NUMBER -	REVISION DATE -
Shackadelic	
Shackadelic Ltd. Unit 6, 27A Spring Grove Road, Hounslow, TW3 4BE www.shackadelic.co.uk tel: 0208 814 0999	

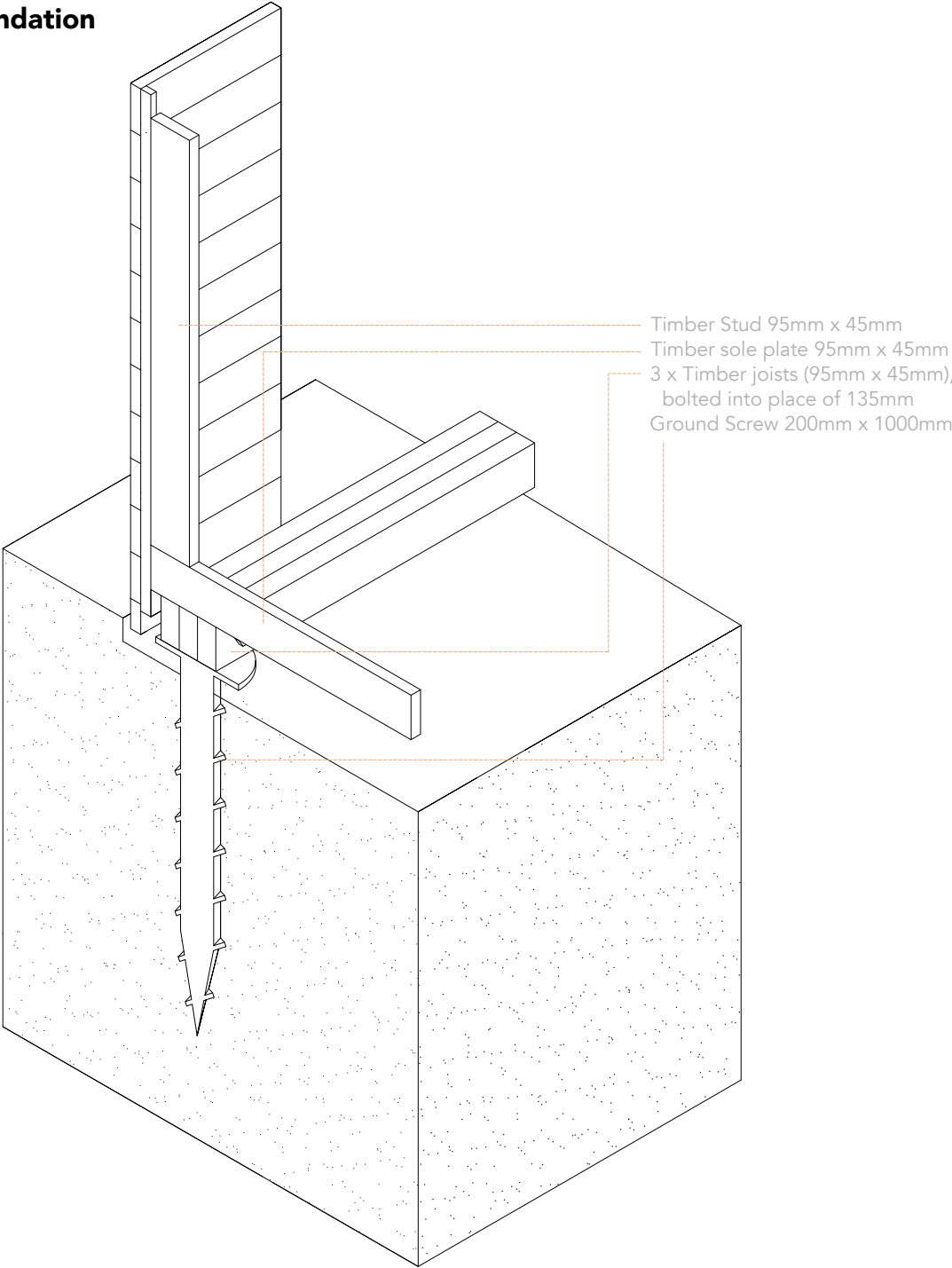
Standard Pile Foundation

- Timber Stud 95mm x 45mm
- Timber sole plate 95mm x 45mm
- 3 x Timber joists (95mm x 45mm), bolted into place of 135mm
- Ground Screw 200mm x 1000mm



DATE CREATED 25.07.2021	
PROJECT Ground Screw Foundation Detail	
NOTES <ul style="list-style-type: none"> - These drawings are for planning purposes only - Unit of measurements mm, unless otherwise specified 	
Drawings 1:10 at A4	
DRAWING TITLE Pile Foundation Detail	
DRAWING NUMBER 001	
REVISION NUMBER 001	REVISION DATE 001
<div>Shackadelic</div>	
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Standard Pile Foundation



DATE CREATED

25.07.2021

PROJECT

Ground Screw Foundation Detail

NOTES

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- Unit of measurements mm, unless otherwise specified

DRAWING TITLE

Pile Foundation Detail

DRAWING NUMBER

001

REVISION NUMBER

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REVISION DATE

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