Arboreal Method Statement

For

84 Quarry View, Newport Isle of Wight

Executive Summary

It is planned to erect a two-storey side extension to the existing dwelling at 84 Quarry View, Newport Isle of Wight.

It has been requested by the Isle of Wight Council Planning services that an Arboreal Method Statement be issued.

The reason this condition has been placed is to prevent damage to trees on the adjacent council land to the property, during construction and to ensure that the high amenity tree(s) to be retained is adequately protected from damage to health and stability throughout the construction period in the interests of the amenity in compliance with Policy DM12 (Landscape, Seascape, Biodiversity and Geodiversity) of the Island Plan Core Strategy.

This follows and works in conjunction with the comments and note held within the Tree Survey and Arboricultural Implications Assessment for the proposed side extension compiled by Mick Jones CERT ARB RFS.

Introduction

This statement will fundamentally detail how the potential impact to the trees will be minimised during construction works, including details of protective tree fencing to be installed for the duration of construction works.

Statement Context

The intention is to Harris fence of the side of the property and all work be mechanical or for site storage will be kept within the fenced boundary. This way the trees will not have to be separately fenced.

This is explained in Appendix A to this statement.
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This method statement when agreed will be adhered to throughout the development of the site and construction phase of the extension.

Risk Statement

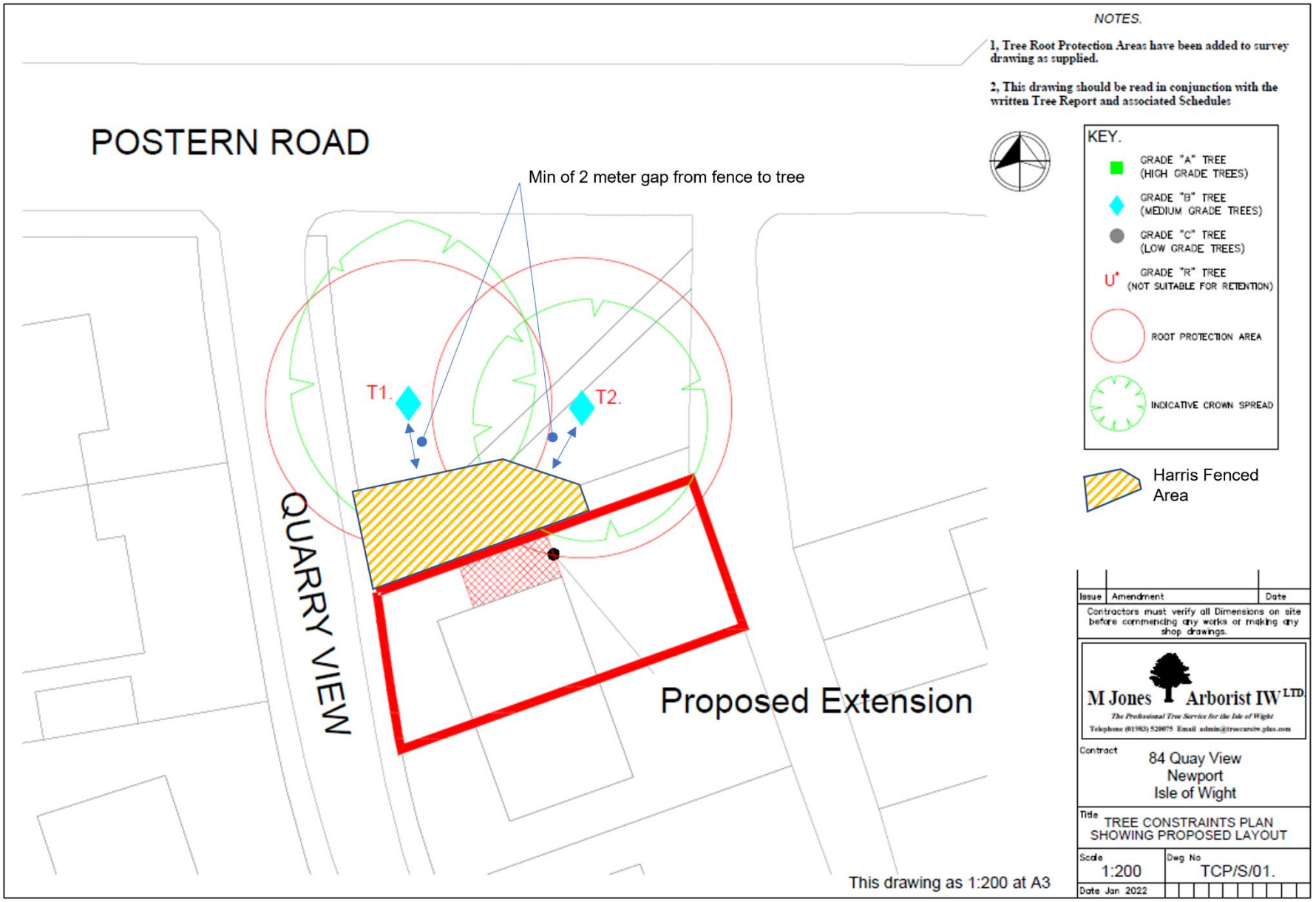
- Due to the potential risk of damaging any root systems connected to the trees the following piling systems has been selected as so no root damage will occur. This information leaflet can be found at Appendix B.

- Any concrete that is on the ground when pouring the raft / foundations will be contained within thick plastic membrane.

Signed

Alistair Tombleson

Appendix A - Arboreal Method Statement for 84 Quarry View



Appendix B

geoLOGIC Screw Piles – the quick, clean foundation system for today's buildings

We design and supply screw pile foundations for all manner of construction projects. Screw piles are rapidly installed and immediately loadable, with no spoil, no concrete, little vibration or noise and minimal site remediation, making them particularly desirable for modular construction.

Our services

Whatever your project, we can advise on a suitable system and provide you with a detailed cost estimate. We stock all components for 73mm CHS and 89mm CHS screw piles, which cater for loads up to 195kN SWL and for the majority of cohesive and non-cohesive soils found across the UK.

Other sizes can be supplied to order for loadings right up to 500 kN SWL. We also supply **geoLOGIC Screw Pins**™ for lighter loadings of up to 25kN SWL.

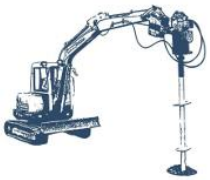
We are pleased to supply only; or to design and supply; or to design, supply and install, using our network of approved installers. if you have preferred groundworks contractors or your own workforce, we also provide training for screw pile installation, which typically requires one day on site.

For further details, or to arrange a free presentation on the benefits of **geoLOGIC Screw Pile**s, please call or email.

geoLOGIC FOUNDATIONS LIMITED

In association with:

ENVIGA GEOTHERMAL



Innovative solutions founded on logic

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geoLOGIC FOUNDATIONS LIMITED

Suppliers of top-quality screw pile foundation systems …

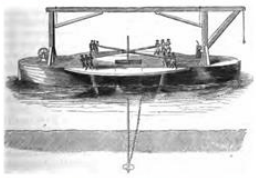
CE bsi UK CA 10 Years 2008 - 2018

Innovative solutions founded on logic

geoLOGIC Screw Piles – providing rapidly installed, eco-friendly and cost-effective foundations

Screw piling – tried and tested

Steel screw piles provide deep foundations to carry tensile, compressive and lateral loads. Initially made from cast iron, they originated back in 1833 and many of the Victorian pleasure piers were built on screw piles.



Their use has been widely developed since and screw pile foundations have been commonplace in North America as an extremely practical system for timber-framed housing and modular construction. The screw pile is used today across all sectors of construction, as can be seen from the range of applications shown opposite.

Screw pile foundations have low embodied energy, are swift and clean to install and, being concrete-free and instantly loadable, are ideal for all modern building methods.

geoLOGIC Screw Piles

Our piling system uses flighted lead sections and bolt-on extensions (which can also be flighted). The CHS shafts and helical plates are fabricated to relevant quality management standards from high-grade carbon steel.

Piles are screwed into the ground, which avoids creating spoil, using small to medium sized plant fitted with a torque motor. The installation torque for each pile is monitored, as it is directly proportional to the load-bearing capacity of the pile, and extensions are added until the necessary depth is reached to achieve the designed load-bearing capacity.

Typical applications

The following examples show the versatility of the system:

- Modular and eco housing
- Volumetric buildings
- Industrial / retail buildings
- Mezzanine foundations
- School and office buildings
- Extensions / conservatories
- Foundation strengthening
- Rail infrastructure
- Highway infrastructure
- Solar PV ground arrays
- Tower / mast foundations
- Environmental walkways
- Pipeline foundations
- Agricultural buildings
- Stadiums / marquees
- Staging foundations
- Marine pontoons
- Flood plain new-build
- Temporary structures
- Restricted access sites
- Subsidence repair
- Tieback anchors
- Soil nailing
- Flood defences

When combined with a modern ground floor system, such as glulam timber, steel or our precast beam system, **geoLOGIC Screw Piles** provide an exceptionally fast & environmentally sound foundation & flooring solution.

Key advantages of geoLOGIC Screw Piles

- Speed of installation – up to one linear metre of pile per minute
- Installed to laser level accuracy, within +/- 5mm tolerance necessary for modular construction
- Sustains load immediately after installation – enables rapid assembly of offsite construction
- Requires only lightweight installation plant – can operate on soft terrain without the need for piling mats
- Minimal noise or vibration, with little disturbance of soil
- Environmentally friendly as no grouting required
- No removal of spoil, and no casing or dewatering needed – well suited for contaminated ground
- Can be more cost-effective than strip footing, especially on sites with tree root issues
- Load-bearing capacity equal in both tension and compression – perfect for variable load situations
- Resistant to desiccation or heave
- Thick-walled tube and galvanising provides a permanent foundation – design life >120 years in normal ground conditions
- Ideal for restricted access or low headroom sites
- Readily reused or recycled – an excellent option for temporary structures