

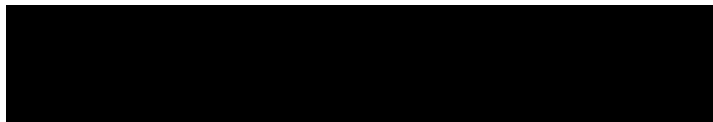
Root Barrier Installation
Desk top Project Proposal

66 Reading Road
Wokingham
RG41 1EL



CLIENT:

Claims Consortium Group



DATE:

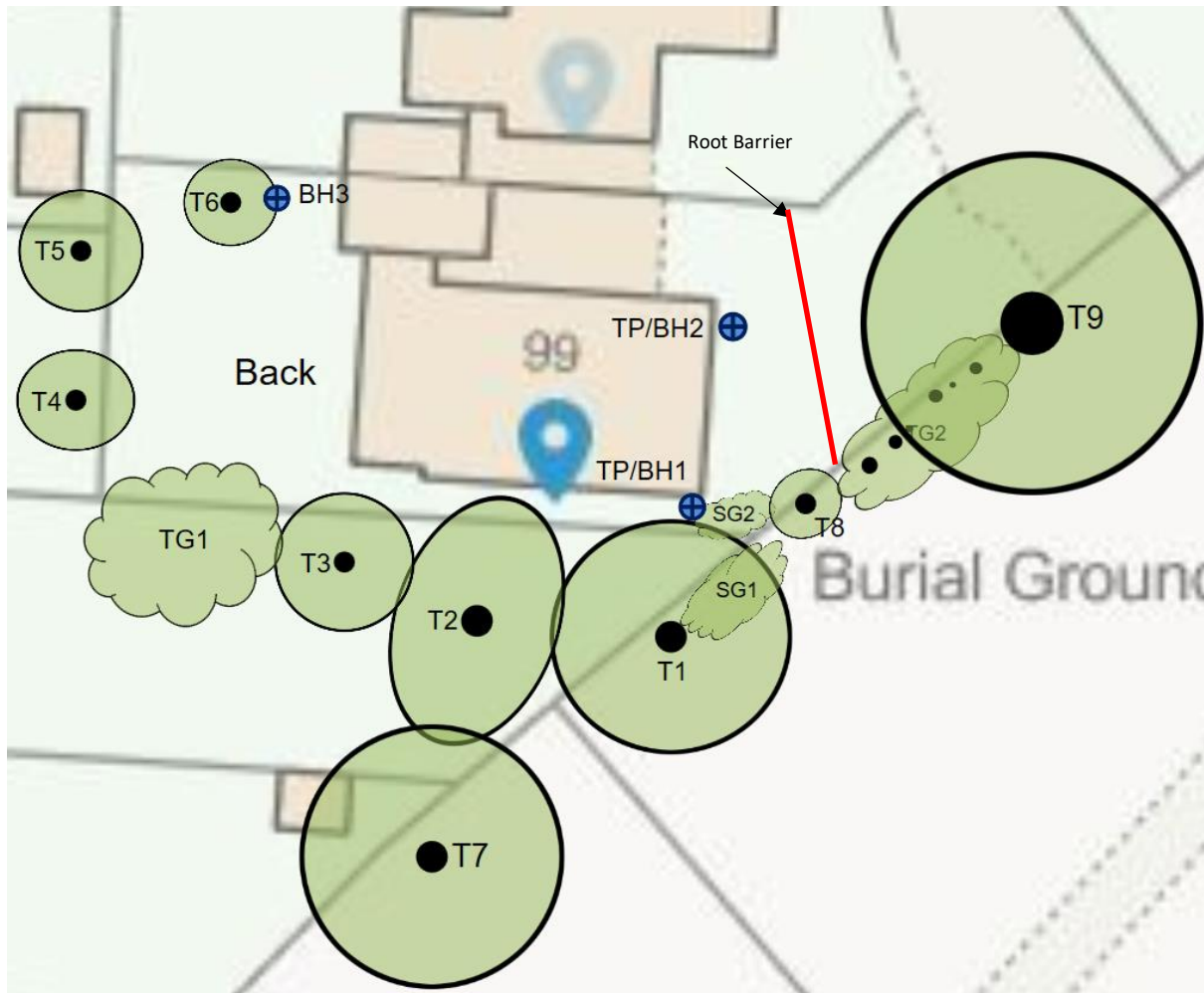
17/07/2024

1.0 Project Description

- 1.1 The proposed works relate to the installation of a root barrier to the front East elevation of the property. See site plan 1 below for location.
- 1.2 The barrier is intended to protect the subject building from the Policy holder / Third Party owned Tree T9 Quercus (Oak) tree as detailed in the MWA Arboricultural report SUB210205-8358 Rev01.
- 1.3 Site investigations (CET Ref: 794801) have recorded stiff grey silty Clay to 5.0-metres. Standing water at 2.0-metres. Oak roots found at multiple depths down to 2.0-metres.
- 1.4 This is a desktop proposal, upon instruct to proceed, a site visit will be conducted to confirm the details with this proposal.
- 1.5 To install this barrier, full access to use the front garden and driveway owned by the policy holder and third party will be required. It will also be necessary to use the hard standing piece of land owned by the neighbour at number 64.
- 1.6 The objective of the barrier is to sever existing roots from the subject tree(s) and prevent the roots extending below the foundations.
- 1.7 The trench will be excavated in sections by a tracked excavator to a target depth of 4.0-meters where ground conditions allow. The trench arisings will be temporarily stored on boards prior to removal by a grab lorry.
- 1.8 The barrier is inserted into the trench and comprises a Geocomposite root barrier system consisting of a copper sheet mechanically encapsulated between a woven polypropylene geotextile and a high strength nonwoven polypropylene geotextile.
- 1.9 Once the barrier has been installed, the trench will be backfilled with 10mm or 20mm gravel, and the grassed areas and relevant landscaping will be reinstated to the original condition.
- 1.10 Ground protection and the necessary enabling works will be completed prior to the commencement of excavations.
- 1.11 Safety fencing will be erected to limit access to only those undertaking the works and a full RAMS prepared prior to works commencing.
- 1.12 The root barrier works are anticipated to take up to 10 working days to complete. Where delays are incurred due to matters beyond our control the client will be informed, and any

- variation agreed. Additional costs may be incurred and will be advised to the client for agreement.
- 1.13 No allowance has been made for trench sheets to support the trench walls. Where ground conditions require this, additional costs over and above the quoted price will be incurred.
- 1.14 **The client is made aware that where gravel, sand or other non-cohesive material is encountered this may prevent excavations proceeding as planned largely due to trench collapse. Where these conditions are encountered the client will be informed and options discussed/agreed.**
- 1.15 We are not aware of drains near to the route of the barrier. Every attempt will be made to identify the location of other services prior to works commencing. In the event of damage, should utility companies be required to attend site for repairs, we will charge at cost.
- 1.16 Upon completion, the site will be left clean and tidy with all debris being removed.
- 1.17 **Where maintenance visits are required, these will incur additional costs to be advised to the client prior to the works being undertaken. Normally, this relates to bringing the trench up to level following settlement of the back fill.**
- 1.18 MWA root barriers are guaranteed for a period of 12 years where the barrier is installed as per the agreed specification and where conditions allow and subject to any variation agreed during the installation works due to site/ground conditions.
The Cutex copper root barrier is predicted to be durable for more than 100 years in soils pH >1.5 or <12.1
- 1.19 It should be noted that trees are living organisms and adapt to changes in their environment which cannot be predicted with certainty however our many years of experience and knowledge of trees, root morphology and strategies means these adaptations are accounted for at the design stage. We tend to take a cautionary approach thus ensuring there is a margin of safety in the design to optimise prospects of successful mitigation. None of the barriers we have installed have failed to date.
- 1.20 The estimated cost to complete this project in accordance with the information set out in this proposal is £18,842.50 + Vat. If instructed to complete this project a site survey will be required to validate the estimated costs.

Site plan 1. – Proposed Root Barrier Location



Approximate area of subsidence damage



Approximate location of barrier



Root Barrier Length = 11-metres

Depth = 4.0 – metres

Image 2. Cross sectional view of root barrier installation.

