

T: 0131 450 7018 M: 07801 538717

E: info@tdtrees.co.uk www.tdtrees.co.uk

Head Office : Platform 1, Station Road Industrial Estate, Duns, Berwickshire TD11 3HS



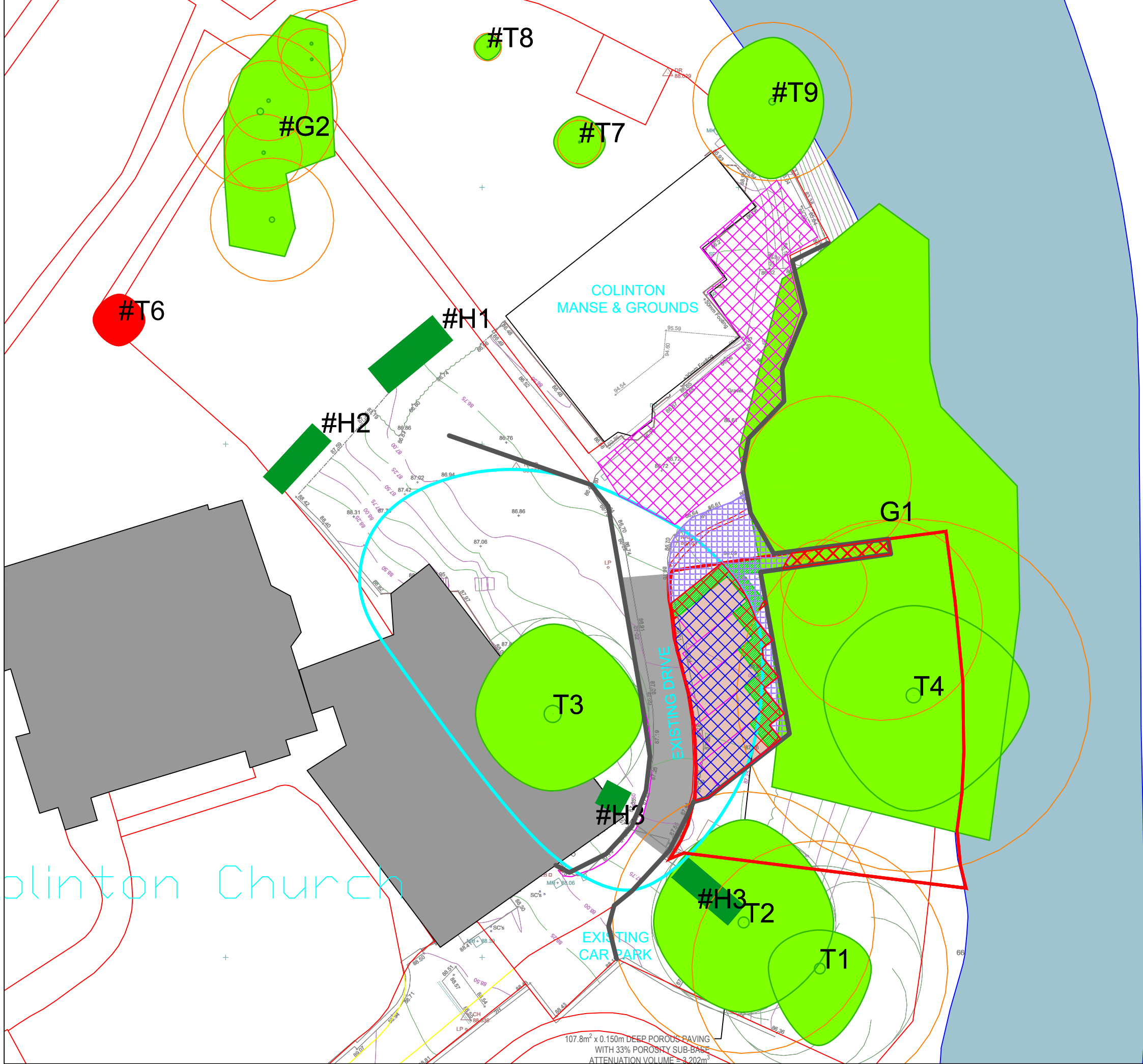
TD TREE & LAND SERVICES

ARBORICULTURAL METHOD STATEMENT

Colinton Kirk Manse, Dell Road, Edinburgh,
EH12 0JP

June 2026

Changelog		
Date	Comments	Version
22/08/2024	Original version	V1.0
11/08/2025	Change of design, addition of drainage, addition of topographic survey	V1.1
28/08/2025	Addition of replanting recommendations, Client version	V1.2
17/09/2025	Full version	V2.0
24/09/2025	Additional comments and calculations of encroachments into RPA, revised veteran buffer zone in line with BS5837	V2.1
27/10/2025	Full, amended version with all comments above	V3.0
04/06/2026	Additional comments from tree officer in e-mail from 14th May 2026 adressed	V4.0



- KEY**
 [This drawing must be reproduced in colour]
- ● Trees to be removed
 - ● T1/G1/W1 Retained trees
 - H1 Retained hedgerow
 - Root Protection Area (RPA)
 - Site Boundary
 - # Approximate location
(Feature not noted on topographical survey)
 - Veteran Tree Buffer Zone
 - Tree Protective Fencing (c. 134 m)
(Must be installed prior to commencement of works)
 - Drainage Excavations
(Requires Arboricultural Method Statement)
 - Geo-cellular Confinement System
(Requires Arboricultural Method Statement)
 - Ground protection (c. 53 m2)
(Must be installed prior to commencement of works)
 - Materials Storage, Welfare & Parking



TD TREE & LAND SERVICES LTD

Site Colinton Kirk Manse		
Title Tree Protection Plan		
Drawing No. 260306-001	Scale 1:300 @ A3	Date 03/06/2026
Drawn PM	Checked SS	Approved PM

107.8m² x 0.150m DEEP POROUS PAVING
 WITH 33% POROSITY SUB-BASE
 ATTENUATION VOLUME = 3.202m³

Arboricultural Method Statement

Proposed measures

Areas shown in the drawing adjacent require arboricultural method statements (AMS) to allow for works within the root protection areas of retained trees. These measures will be put in place to prevent damage to retained features. Protection measures such as tree protective fencing are presented in the tree protection plan (please see drawing 250811-003 and adjacent drawing). All areas noted under special mitigation (**magenta**), excluding the existing hard standing, are to be covered in ground protection until the special construction techniques are carried out.

Responsibilities

- Site Manager: Ensures compliance with this AMS and coordinates works.
- Arboricultural Consultant: Provides supervision during key stages and advises on root protection.
- Contractors: Follow this AMS and report any unexpected root encounters.

Prior to Starting

The site manager will read, understand and hold responsibility for implementing the protection measures in this document. In addition, a copy of this document will be made available on site for all relevant contractors. Patrick Murphy, can be contacted on 07423 798 752 or patrick@tdtrees.co.uk, if required to assist with the correct interpretation of this document. With request, an inspection of the tree works and tree protection measures can be carried out.

Sequence of Events

Any change to this sequence that may directly or indirectly impact the retained trees must be approved by the appointed arboriculturist.

Pre-development Stage

- Removal of trees in conflict with the design as per the Arboricultural Impact Assessment (AIA) and accompanying Tree Protection Plan (TPP). NB: none of the trees require removal to facilitate the development, 1 tree is recommended for removal due to its condition, as identified on the TPP.

- Tree protection measures installed to protect retained trees (protective fencing, temporary ground protection) as per Tree Protection Plan (TPP).

- Site and Tree Protective Fencing to be inspected by the appointed arboriculturist and works approved in writing.

Development Stage

- This stage is subject to site monitoring visits by the appointed arboriculturist at regular intervals.

- Site is accessible to construction traffic.

- Arboricultural supervision is to be conducted at all crucial stages throughout the development process to ensure detailed tasks are conducted as per the approved methodology and at any incursion into RPA for whatever reason.

- The LPA arboriculturist will have access to the site and pass any recommendations direct to the developer's arboriculturist.

- Any alterations to the protective fencing should be approved in writing by the developer's arboriculturist and communicated to the LPA arboriculturist.

Post-development Stage

- Removal of protective fencing as agreed by the appointed arboriculturist.

- Landscape operatives to be briefed by appointed arboriculturist.

- Regular annual condition surveys will be commissioned to ensure that retained tree has not been adversely affected by the process outlined in the tree protection plan for a period of 6 years.

General terms and conditions Tree Protection Plan

The Tree Protection Plan as outlined in this document will be followed, any alterations will need the approval of the appointed Arboriculturist and the LPA. The Tree Protection Plan and the Arboricultural Method Statement will be printed in A2 and A3 and made available at all times throughout the construction process.

Avoiding Crown and Stem Damage

Under no circumstances shall construction personnel undertake any tree pruning operations. Great care must be exercised when working close to retained trees. Plant and machinery with booms should be controlled by a banksman to maintain adequate clearance.

Root Protection Areas (RPAs)

The RPAs detailed in the maps of this document are designed to protect at least a functional minimum of tree root mass to ensure that the trees survive the construction process.

The RPAs of the retained tree must be protected via protective fencing as detailed below, being erected and in place prior to construction plant entering site.

It is the responsibility of everyone engaged in the construction process to respect the tree protection measures and observe the necessary precautions within and adjacent to them.

Restrictions within Tree Protection Areas

The exclusion area of the protective fencing follows the Tree Protection Plan. This area is considered a Construction Exclusion Zone (CEZ). Within this fenced zone the following shall apply:

- No mechanical excavation without Arboricultural site supervision
- No excavation by any other means without Arboricultural site supervision
- No hand digging without a written method statement having first been approved in writing by the developer's arboriculturist
- No ground level changes
- No storage of plant or materials
- No storage or handling of any chemicals No vehicular access

Arboricultural Supervision

The construction site will be inspected at regular intervals by the appointed arboricultural consultant.

Purpose

The purpose of the site monitoring is to:

- Provide a **written, photographic and traceable record** of protection measures.
- Ensure **direct arboricultural supervision** during all activities with potential to impact RPAs.
- Provide the LPA with an **auditable record** of compliance.
- Identify, correct and report damage or breaches immediately.

Activities Requiring Direct (Full-Time) Arboricultural Supervision

The Project arboriculturist **must be physically present** for the entire duration of the following activities:

- Installation of Temporary Ground Protection
- Excavations for shallow drainage in RPAs
- Any root pruning
- Installation of no-dig surfacing
- Removal of Tree Protective Fencing and Temporary Ground Protection at end of project

These operations pose the greatest risk to tree roots and must not proceed without presence of the project arboriculturist.

Reports of these site inspections will be provided to the the client. It is the client's responsibility to provide the LPA with reports, where required.

The appointed arboriculturist will act under the authority of the Site Manager and, under that authority, can request temporary cessation of works.

Further, the project arboriculturist will inspect the following, but does not need to be present during the task:

- Correct installation of Tree Protective Fencing

Frequency of Supervision

All frequencies must be **confirmed in writing with the LPA before works commence**. Recommended intervals for these visits are every 2-4 weeks from commencement until completion of the construction.

For the extent and anticipated duration of this development , a minimum of 3 site visits is considered to be appropriate.

Supervision Stages

Stage 1 - Pre-Commencement Inspection

Project Arboriculturist conducts a full site inspection **before ANY work begins**, including demolition.

Outputs:

- Verification that fencing match approved drawings
- Photographs of all fencing and Construction Exclusion Zones (CEZs)
- Written sign-off report

No other works may begin until this is approved.

Stage 2 - Supervision of All RPA-Entry Works

During supervised activities, the project arboriculturist will:

- Direct working methods
- Document each step
- Confirm root protection
- Photograph progress
- Use real-time corrective instruction

If roots >25 mm encountered: work stops, root assessed.

If roots >50 mm encountered: work stops, LPA approval required

Stage 3 - Routine Monitoring Visits

At each routine visit project arboriculturist will inspect:

- Tree Protective Fencing condition (position, stability, vandalism)
- Ground protection integrity
- Signs of incursions
- Storage areas and welfare facilities (must remain outside RPAs)
- Soil compaction
- Surface water or contamination issues

All findings recorded in monitoring log.

Stage 4 - Incident Monitoring / Breach Response

Triggered by:

- Fence movement
- Vehicle incursion into CEZ
- Accidental soil excavation
- Root exposure
- Chemical contamination

Actions:

- Immediate halt to works in affected area
- Project arboriculturist investigation & photographs
- Written incident report within 24 hours
- Issue corrective actions
- Notify LPA if breach significant

Stage 5 - Final Audit & Completion Report

At end of project:

- Final inspection of all retained trees
- Review all monitoring logs
- Confirm protection measures were followed
- Recommend any aftercare or soil remediation
- Submit final signed audit report to client and LPA

Auditable Monitoring Log Template

The following fields must be completed for **each** site visit (scheduled or event-triggered):

- Project Name
- Date / Time
- Project Arboriculturist Name
- Visit Type (routine / supervised activity / breach report)
- Locations inspected
- Activities occurring during visit
- Tree Protection Fencing status
- Ground Protection status
- RPA incursions noted (Y/N)
- Photographs taken (yes/no + image references)
- Root exposure recorded (diameter, number, action taken)
- Instructions given to contractors
- Non-compliance (if any)
- Corrective actions issued
- Date of confirmed rectification
- Contractor Signature (if training or instructions given)

Tree Works

- Remove Trees and prune trees as as shown in the tree protection plan, drawing 260306-001 accompanying this report.
- All removals and site clearance should be undertaken outside of the nesting season to reduce the ecological impact.
- If works can't be avoided to commence/continue in nesting bird season (March to August inclusive in Scotland), the site should be surveyed for nesting birds 48h before any tree works commence by a suitably experienced ecologist.
- All tree work operations must be in accordance with BS 3998: 2010 Tree Work Recommendations. This work is to be conducted by a suitably qualified Tree Surgeon (ideally chosen from the Arboricultural Association's Approved Contractors list).
- All tree works will follow the recommendations and instruction of the Arboricultural Impact Assessment (AIA), Arboricultural Method Statement (AMS), and Tree Protection Plan (TPP).
- All operations shall be carefully conducted to avoid damage to the trees being retained. No trees to be retained will be used for anchorage or winching purposes.

Temporary Ground Protection

(Purple in TPP)

As shown in the tree protection plan, several RPAs require access during the construction. To reduce the risk of compaction of these areas, temporary ground protection will be in place along the road.

Materials

It is understood that the maximum weight of plants being used is not exceeding 1.8 tonnes. Therefore, suitable ground protection will comprise HDPE mats. Suitable examples are:

- 'Light Duty Access Mats' by Hermeq, suitable for loads up to 5 t
- 'LiteTrack' by GroundGuards, suitable for loads up to 10t

See drawings adjacent for visual guidance.

1. Machinery Restrictions

- Traffic within the RPA is limited to machinery up to 1.8 t.
- No plant exceeding the load rating of the protection system.
- If at any stage heavy machinery is proposed to be used, the project arboriculturist and the LPA will need to be informed, and ground protection exchanged to accommodate the increased weight.
- No turning, spinning, or sudden braking on the protection surface.

2. Preparation

- The existing ground surface must remain undisturbed.
- No excavation, grading, or scraping of the soil surface is permitted within the RPA, unless specified in this AMS and under supervision of the project arboriculturist.

- If the surface is uneven, a loose, non-compacting layer of woodchip (50-100 mm) may be applied to level and cushion the area.

2. Installation

- Install a 100-150 mm layer of clean woodchip to act as a compressible buffer.
- Lay interlocking ground protection panels (see specific models above) on top.
- Panels must be connected according to manufacturer instructions to prevent slippage.

3. Edge Stability

- Where necessary, secure edges using timber bracing or pegging outside the RPA.
- No stakes or fixings may be driven into the ground within the RPA, unless specified in this AMS and under supervision of the project arboriculturist.

4. Daily Checks

- Inspect for displacement, damage, or depressions.
- Reinstate or adjust panels immediately if movement occurs.

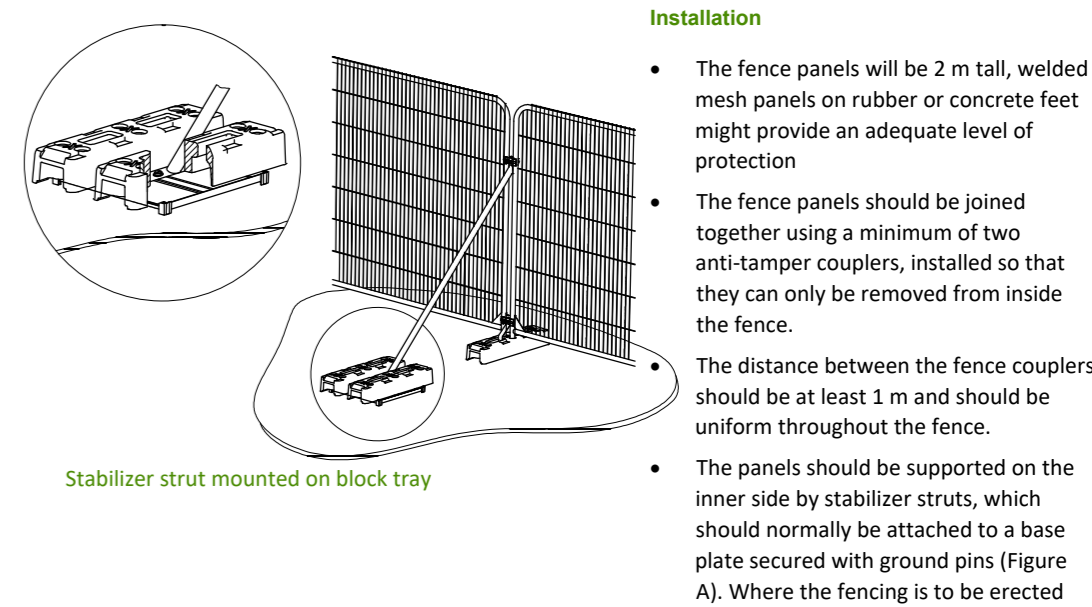
Root Handling Protocol

- This protocol is adhered to for all works within root protection areas, or when roots are encountered during construction works elsewhere.**
- No roots** will be handled without the Project Arboriculturist being present on site supervising works.

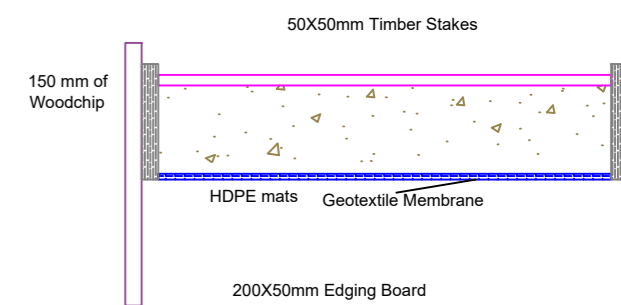
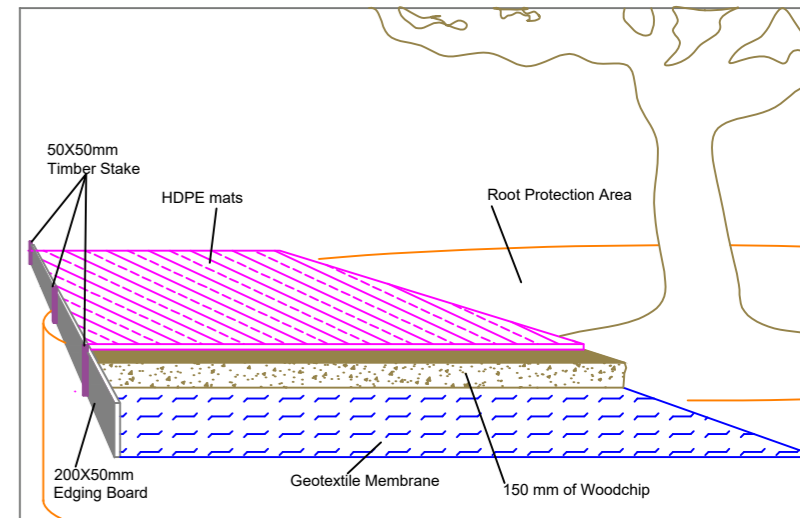
- Individual roots and clumps of roots **<25 mm may be pruned** cleanly using sharp bypass secateurs.
- Individual roots and clumps of roots **>25 mm may only be cut in certain circumstances**, under the ArbCoWs discretion.
- Individual roots and clumps of roots >50 mm must be retained; design (eg. trench, ground screw installation etc.) **must** be modified to allow for their safe retention.
- Retain flexible clumps of smaller fibrous roots if they can be displaced temporarily or permanently beyond the excavation without damage
- Cut exposed roots to be removed cleanly 10–20cm behind the final face of the excavation.
- Exposed roots to be retained must be protected from direct sunlight, drying out and extremes of temperature by keeping them moist and covered with damp hessian.
- Any exposed roots must be covered with topsoil immediately after works exposing roots have concluded.
- No storage of materials, spoil, or chemicals within RPAs.
- When back-filling excavations, place an inert granular material mixed with top soil or sharp sand around retained roots >25mm before light compaction.

Tree Protection Fencing

- The protective fencing will be erected before any materials or machinery are brought onto site and before any development commences.
- Once erected these barriers will be regarded as permanent and will not be removed or altered without prior agreement of the appointed arboriculturist and written approval of the LPA.
- Tree protective fencing will be fit for the purpose of **excluding construction activity**, see 'General Conditions'. These areas thereafter form Construction Exclusion Zones (CEZs). **NO construction related activities or storage of ANY material are allowed within these zones**, unless specified in this AMS, approved by the LPA and supervised by the Project Arboriculturist.
- Regular checks** must be made of the fencing to ensure its stability and structure. **It is the Site Manager's responsibility** to ensure these checks are made, and to ensure the project arboriculturist and/or the LPA arboriculturist are informed in case of movement of or damage to the protective fencing occurred.
- Scheduled site visits of the appointed arboriculturist or the LPA will record these checks.
- The protective fencing will not be realigned or moved without the written consent of the LPA.**



Stabilizer strut mounted on block tray

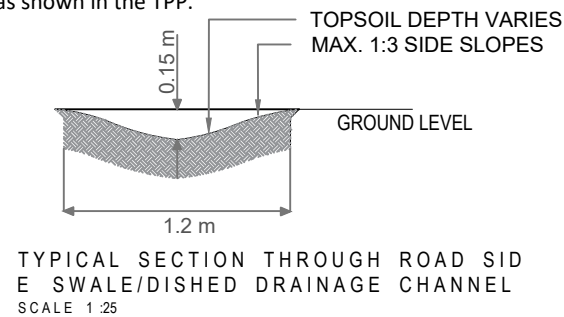


Drainage Trench Excavations

(Red Area in TPP)

The proposal shows shallow drainage trenches (150mm deep) within the RPA of surrounding trees. See cross sectional drawing below for reference. To ensure that these drainage installation works within the RPAs of retained trees are carried out in a manner that avoids root damage, and maintains tree health, the following applies.

- Prior to any drainage installations, the tree protective fencing and temporary ground protection will be erected as shown in the TPP.
- The correct installation of these protective measures will be **inspected by the project arboriculturist**.
- **It is the Site Manager's responsibility to ensure this supervision.**



Excavation Technique

- No excavation using mechanical plant is permitted within RPAs.
- All excavation within RPAs will be carried out via air spading, conducted by suitably experienced personnel.
- If this is not available or feasible, the trenches will be excavated by hand.
- If using hand tools, remove the soil in thin layers, exposing roots. Avoid accidental bark damage by using a fork to loosen the soil to help locate any substantial roots.
- The consulting arboriculturist will delineate the excavation area and provide a comprehensive briefing to all contractors regarding the risk assessment and the approved methodology.
- All hand tools will be sterilized prior to commencing work to prevent the spread of tree diseases such as Phytophthora. Suitable chemical disinfectants include Propellar Arboricultural Disinfectant, as recommended by the Arboricultural Association.
- Use smaller tools such as eg. trowels, to clear soil away from roots without damaging the bark.
- See Section "Root Handling Protocol" for dealing with roots during excavations. The appointed arboriculturist will be on site to supervise any excavations within Root Protection Areas (RPAs). The marked area (see drawing opposite) will be excavated by hand. Air spading, if employed by appropriately trained personnel, is a viable alternative for this task.
- Manually break up and remove debris from the RPA using appropriate tools (e.g., pneumatic breaker, crowbar, sledgehammer, pick, shovel, spade, trowel, fork).
- Remove debris from the RPA without disturbing the adjacent rooting environment, e.g., manually carry out over ground protection.
- Any small roots with a diameter <25mm damaged, will be pruned back using handsaw or bypass secateurs. No roots with a diameter of 25mm or above will be cut or moved without arboricultural supervision. Cover and wrap exposed roots with damp, heavy duty hessian until works are completed.

Drainage Installation

- Use pre-formed channels as shown in drawing adjacent.

Geo-Cellular Confinement System

(Blue Area in TPP)

The new car parking area noted within the root protection areas of retained trees will require cellular webbing.

The ground protection as set out in this method statement is suitable for cars, vans, 4-wheel drive etc. No HGV shall drive onto these ground protections.

Materials

- Geotextile membrane: Terram 1000
- Cellular confinement system: Geoweb or Cellweb, 150mm height

It is understood that no wearing course will be used per engineer's specifications, due to the very low frequency of usage of the parking spaces.

Preparation

- Carefully remove all debris and areas of hard surfacing and reduce site levels by max. 5cm to meet final levels, where required.
- Level changes may be overcome either with filling sharp sand (for small areas).

Installation

- Any hollows within the installation zone will be filled with no fines 4/40 clean angular stone.
- Place geotextile membrane over the installation zones. If several sections are needed, overlap them by a minimum of 300mm.
- Secure the membrane with pins (e.g., steel staking pins) every 500mm along the edging. These pins are ideally 3 times the height of the cellular confinement)
- Place the cellular confinement on top of the membrane, securing it with the same pins. Where necessary, the cellular confinement can be cut or clipped together.
- Fill the cells of the confinement system with clean, no fines angular stone 20/40 or 4/20. If excavators are used to fill in the aggregate, these will be positioned outside the root protection area, on existing hardstanding. Once the first cells have been filled, the excavator may drive on to these to continue introducing the infill. Drop height is limited to below 1000mm. Ensure all cells are filled even across the whole width before allowing vehicles onto the surface. To allow the stones to settle in the cells, and protect the geocells, overfill by 25mm - 30mm.
- To help the aggregate settle, a suitable weighted pass (max. weight of 1000kg/m) over 4 times by a non-vibrating smooth roller should be used. The aim of this is to consolidate the aggregate.
- Place timber edging (peg-and-board edging with tanalised timber), ensuring pegs are spaced minimum 1m apart.

Site Monitoring Schedule – Installation of Cellular Ground Protection System within Root Protection Areas

To ensure the installation of the cellular confinement (no-dig) ground protection system is carried out in accordance with the approved Arboricultural Method Statement and Tree Protection Plan, with full supervision from the Project Arboriculturist.

1. Preparation of Working Area

Timing: Immediately prior to system installation.

Supervision: Full-time attendance by Project Arboriculturist.

- Ensure the working area is accessed only via designated routes.
- Oversee the removal of surface debris or vegetation by hand tools only (no mechanical excavation).
- Confirm that the existing ground levels remain unaltered and undisturbed.
Record: Photographs and brief report confirming correct preparation.

2. Installation of Cellular Confinement System

Timing: During installation of the no-dig surface.

Supervision: Full-time supervision by Project Arboriculturist.

- Ensure the geotextile membrane is laid without disturbing the soil surface.
- Oversee placement of the cellular web (75 mm depth or as specified) and ensure it is fixed securely in place.
- Supervise the introduction of clean, no-fines angular aggregate (20–40 mm) into the cells, ensuring drop heights are minimised and compaction is light and even.
- Confirm that infill and surface materials are permeable and in line with the approved specification.

3. Post-Installation Inspection

Timing: Immediately after installation completion.

Supervision: Project Arboriculturist.

- Verify that the surface has been installed in accordance with the approved details.
- Check that no roots have been damaged or exposed during works.
- Confirm that surrounding tree protection measures remain in place and effective.
- Record: Post-installation report with photographic evidence submitted to the LPA.

Typical No-Dig Construction with Geoweb above existing ground level

