

TREE SOLUTIONS



Arboricultural Method Statement

Park View, Gatewen Road, New Broughton

Prepared for:

L HUGHES

Our Ref: 25/AMS/WXM/333

June 2025

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Tree Solutions Ltd • Registration in England & Wales • Company No. 04548951

Sequence of Arboricultural Operations

From commencement of development, the following methodology shall be implemented in the manner and sequence outlined below:

1. Erection of temporary protective fencing
 2. Main demolition/construction phase activities
 3. Removal of temporary protective fencing
 4. Removal of existing bound surfaces within the RPA of tree
 5. Landscaping within Root Protection Areas (RPAs)
 6. Arboricultural monitoring and site supervision
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1. Erection of Temporary Tree Protective Fencing

1. Prior to commencement of any construction, preparation, excavation, or materials deliveries, the principal contractor shall install protective fencing as detailed within the 'Tree Protection Specification' and shown on the Tree Protection Plan.
 2. A minimum of five working days' written notice shall be provided to Tree Solutions upon installation of the fencing to allow for inspection. An inspection report will be compiled and submitted to the Local Planning Authority (LPA) Tree Officer for approval.
 3. Any damage to protective fencing occurring during the demolition or construction phases shall be rectified immediately by the principal contractor.
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2. Main Demolition/Construction Phase

1. Protective fencing must be in place prior to the arrival of any demolition and subsequent construction plant, equipment, or materials on site.
2. Protective barriers shall comply fully with *BS 5837:2012* requirements to prevent mechanical damage to retained trees and encroachment into RPAs.
3. No storage of construction materials, parking of vehicles, siting of welfare units, or operation of equipment shall occur within RPAs and Construction Exclusion Zones (CEZs) delineated by fencing.
4. No materials potentially harmful to tree health (e.g., cement, oil, bitumen) shall be stored or discharged within 10 metres of the trunk of any retained tree. Open fires will be strictly prohibited on site.
5. The site manager or appointed representative shall supervise all deliveries involving self-loading cranes or similar plant to ensure no risk to retained trees.

Cement Mixing

- Cement mixers shall be positioned outside RPAs, placed atop appropriate ground protection (e.g., plywood boards) throughout all development works.

Avoidance of Stem and Branch Damage

- Site operations shall be carefully planned to ensure that tall or wide loads, cranes, and equipment with counterweights do not come into contact with tree stems or branches, preventing mechanical damage that could compromise tree viability.

On-Site Storage of Spoil and Building Materials

- No spoil, soil heaps, or building materials shall be stored within RPAs, whether or not the proposed work footprint falls within tree crown spreads.
- Any required encroachments within protected areas will only proceed following written approval from the LPA Tree Officer.

3. Removal of Temporary Tree Protective Fencing

1. Protective fencing shall only be removed after all construction work is completed and all machinery has been removed from site.

4. Removal of Bound Surface with RPA of Trees

To minimise disturbance to tree root systems during removal of bound surfacing within Root Protection Areas (RPAs), the following methodology shall be strictly observed:

1. Supervision - All works shall be carried out under the direct supervision of the appointed Arboricultural Clerk of Works (ACoW).
2. Manual Breakout - Surface removal shall be undertaken by hand. The use of mechanical or pneumatic tools is strictly prohibited to avoid vibration and potential damage to tree roots. Tools such as pickaxes shall be used carefully to lift surface materials, taking care not to damage the protective bark of any exposed roots.
3. Root Protection During Exposure - Any exposed roots shall be immediately wrapped in clean, dry hessian sacking to prevent desiccation and mitigate temperature fluctuations.
 - Roots <25mm in diameter, or those bound to arisings, may be pruned cleanly back to a suitable lateral root using sharp secateurs or saws.
 - Roots >25mm in diameter shall not be severed without prior consultation with both the Local Planning Authority (LPA) Tree Officer and Tree Solutions.
4. Debris Removal and Machinery Access - No machinery shall enter or pass over the area once the surface has been broken out. All arisings must be removed manually to prevent soil compaction and further root disturbance.
5. Backfilling Procedure - Prior to backfilling, any hessian wrapping shall be carefully removed. Retained roots shall be surrounded by a minimum of 35mm of sharp sand or other loose, granular fill, to provide cushioning and promote aeration. This layer must be in place before any subsequent material is reintroduced.
6. Site Protection Post-Excavation - Until resurfacing is complete, tree protection fencing shall be realigned to enclose the newly exposed surface. This temporary barrier shall remain in place to prevent accidental disturbance or compaction of the area.

5. Landscaping within RPA of Trees

1. All soft landscaping works proposed within the Root Protection Area (RPA) of retained trees must be undertaken with extreme care to avoid damage to tree roots, soil structure, and natural drainage functions. The following strict requirements apply:

Prohibited Activities

- No mechanical excavation or rotovation shall be carried out within the RPA under any circumstances. This includes mechanical tilling, trenching, or use of power-driven cultivation equipment.
- No lowering or re-grading of existing soil levels is permitted within the RPA. Soil levels must remain as existing unless specifically approved in writing by the project arboriculturist following a site assessment.
- No heavy plant or tracked machinery shall enter or traverse the RPA unless on pre-approved load-bearing ground protection.

Turfing and Planting

- All turfing, planting, and soil amelioration within the RPA shall be carried out using hand tools only (e.g. spades, forks, trowels).
- When preparing ground for turfing, surface de-compaction (if required) shall be restricted to manual forking to a maximum depth of 100mm, avoiding any severance or tearing of roots greater than 25mm diameter.
- Where topsoil is to be introduced to facilitate turf or planting establishment, this must be spread manually and shall not exceed a depth of 100mm unless otherwise specified and agreed by the project arboriculturist.
- All planting pits within the RPA shall be excavated by hand, ensuring any roots encountered over 25mm diameter are retained and worked around or pruned cleanly under arboricultural supervision.

Oversight and Compliance

- All landscape operatives working within RPAs must be briefed on tree protection measures prior to commencement.
- Any unforeseen root conflicts or constraints encountered must be reported to the project arboriculturist for assessment and further instruction prior to proceeding.

These requirements are critical to preserving tree health and stability and form part of the approved tree protection strategy. Failure to adhere may result in enforcement action and/or remedial works at the contractor's expense.

6. Arboricultural Site Supervision – Arboricultural Clerk of Works (ACoW)

1. **Toolbox Talk and Induction** - Prior to commencement of any site activity, the ACoW shall deliver a toolbox talk to the principal contractor and any relevant sub-contractors. This induction shall cover the location, extent, and purpose of all tree protection measures, including Tree Protection Barriers (TPB), Ground Protection, and restricted activities within Root Protection Areas (RPAs). Emphasis shall be placed on working practices permitted within the RPA, including restrictions on excavation, machinery use, and use of hand tools.
2. **Site Inspections and Monitoring** - The ACoW shall undertake scheduled site inspections during all key phases of development occurring within the influence of retained trees. These shall include (but are not limited to):
 - Installation and maintenance of tree protection measures
 - Groundworks, including service installation and excavation near RPAs
 - Landscaping works within RPAs
 - Any activity specifically identified in the Arboricultural Method Statement as requiring supervision

Additional ad-hoc visits shall be undertaken at the request of the contractor or if any breaches in tree protection are reported. Each visit shall be followed by a written site inspection report documenting compliance, observations, and any necessary recommendations.

3. **Reporting and Compliance** - the ACoW shall report directly to the project manager and local planning authority (if required) regarding tree protection compliance. Any deviation from the approved method statement or observed damage to retained trees or RPAs shall be reported immediately, along with recommended remedial actions.

Tree Protective Fencing Specification

Prior to commencement of any site excavation or construction activities (other than those approved within the Tree Works Schedule), protective fencing shall be installed as follows:

1. Fencing shall comprise a scaffold framework in accordance with Figure 2 of *BS 5837:2012*, consisting of vertical and horizontal scaffold poles, well-braced to resist impacts.
2. Vertical poles shall be spaced at no greater than 3m intervals. Weldmesh panels shall be securely attached to the framework using wire ties or scaffold clamps.
3. Free-standing panels on rubber or concrete feet are not permitted.
4. The site manager, or another suitably qualified appointed individual, shall inspect protective fencing daily. Any breaches or damage shall be immediately rectified.
5. Weatherproof signage reading "Protected Trees – Exclusion Zone" shall be fixed at approximately 1.5m height, facing outward at regular intervals along the fence line.
6. Protective fencing shall remain in place until all construction operations are complete, and all site traffic has been removed.
7. No activities, including materials storage or dumping, shall occur within fenced exclusion zones without prior approval of the LPA.

Protective Fencing Detail

1. **Magenta** - Trees



Arboricultural Clerk of Works (ACoW)

Name: Alistair Henderson
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Email: alistair@tree-solutions.co.uk

Appendix 1
Tree Protection Plan

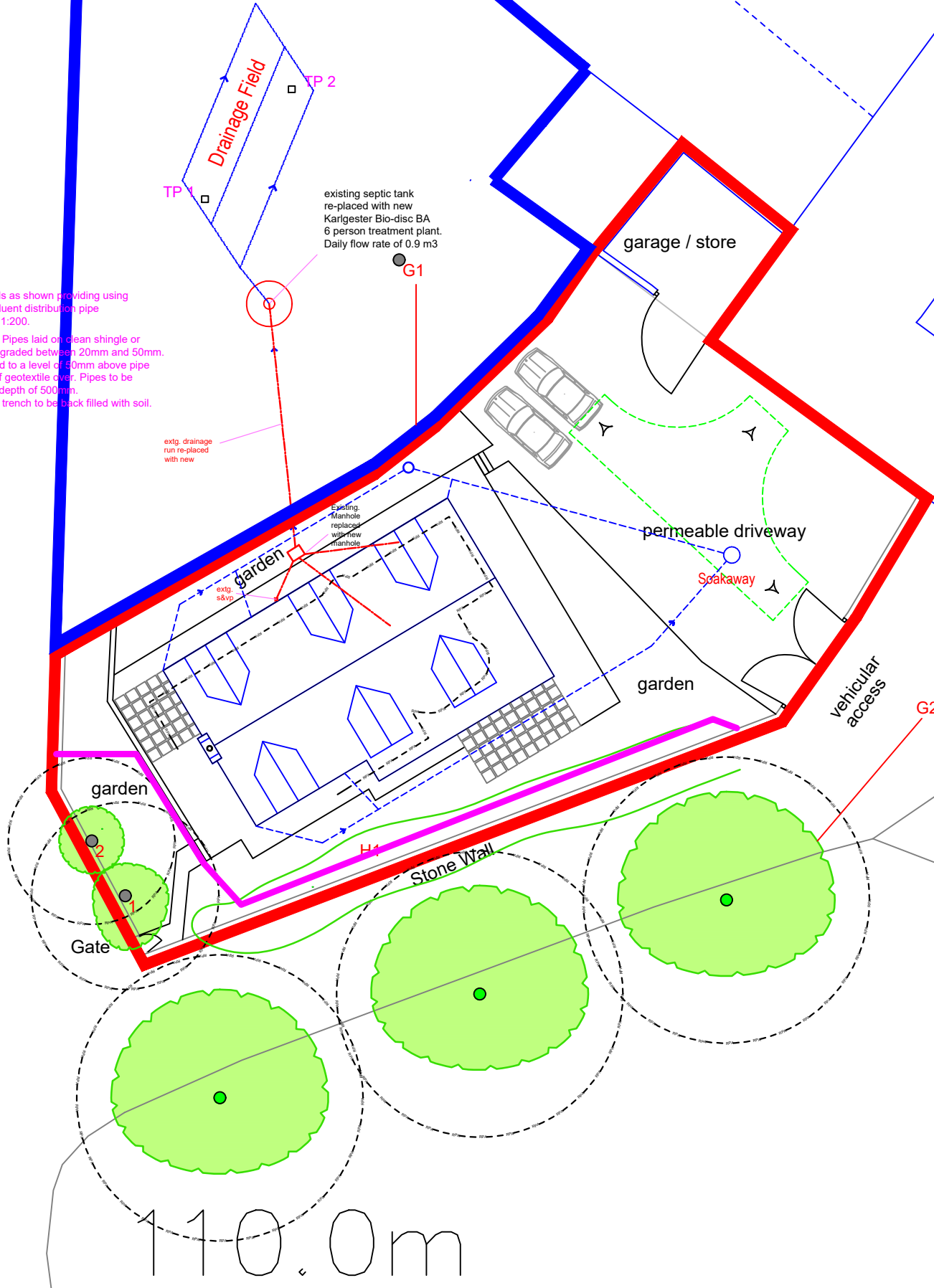


Tree Protective Fencing Specification

PROTECTIVE FENCING. THIS FENCING MUST BE MAINTAINED IN ACCORDANCE WITH THE APPROVED PLANS AND DRAWINGS FOR THIS DEVELOPMENT.

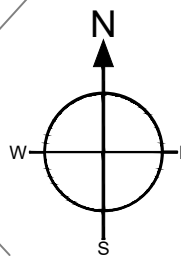
TREE PROTECTION AREA
KEEP OUT!
(TOWN & COUNTRY PLANNING ACT 1990)
TREES ENCLOSED BY THIS FENCE ARE PROTECTED BY PLANNING CONDITIONS AND/OR ARE THE SUBJECTS OF A TREE PRESERVATION ORDER.
CONTRAVENTION OF A TREE PRESERVATION ORDER MAY LEAD TO CRIMINAL PROSECUTION.
ANY INCURSION INTO THE PROTECTED AREA MUST BE WITH THE WRITTEN PERMISSION OF THE LOCAL PLANNING AUTHORITY

Drainage fields as shown providing using perforated effluent distribution pipe laid to falls of 1:200.
Pipe surround- Pipes laid on clean shingle or broken stone graded between 20mm and 50mm. Trenches filled to a level 50mm above pipe with a layer of geotextile cloth. Pipes to be laid at a min. depth of 500mm. Remainder of trench to be back filled with soil.
entp drainage can be placed with below



The Hay Barn

Gatewen Hall



KEY:

NEW FOUL WATER DRAINAGE RUN

NEW SURFACE WATER DRAINAGE RUN

Legend

Root Protection Area Modified to Account for Site Features

Category

Root Protection Area

Crown Spread

Tree Number

Category A (High Quality)

Category B (Moderate Quality)

Category C (Low Quality)

Category U (Dead/Dying/In Decline)

2.0M high Heras (with extra central support bar) mounted on scaffold poles (driven in to the ground) and secured with anti tamper bolts – as illustrated.

NOTE: Tree/group numbers marked have approximate locations.

Client:	
L. Hughes	
Project:	
Park View, Gatewen Road, New Broughton, Wrexham, LL11 6YZ	
Title:	
Tree Protection Plan	
Scale:	Date:
1:250 @ A2	May 2025
Drawn By:	Revision:
NB	----
Job Ref:	Drawing No:
25/AIA/WXM/333	03

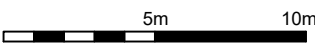
Do not scale from this drawing all dimensions to be checked on site.

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TREE SOLUTIONS

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Appendix 2

Tree Protection Sign



**PROTECTIVE FENCING. THIS
FENCING MUST BE
MAINTAINED IN ACCORDANCE
WITH THE APPROVED PLANS
AND DRAWINGS FOR THIS
DEVELOPMENT.**



**TREE PROTECTION AREA
KEEP OUT !**

**(TOWN & COUNTRY PLANNING ACT 1990)
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