

Arboricultural Method Statement

43-67 High Street
Yiewsley
West Drayton
UB7 7QQ

March 2021

180315-CD-21

Project	180315-CD-21 – Yiewsley West Drayton, 43-67 Morrisons High Street
Report Type	Arboriculture
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Date Checked	05/03/2021

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1 INTRODUCTORY INFORMATION

Instruction

1.1 This Arboricultural Method Statement ('AMS') has been instructed by Harbourside Investments Ltd, in order to discharge condition 6.1 and 6.2 of the consented development with regard to tree protection matters. Condition 6.1 and 6.2 require:

- "1. A method statement outlining the sequence of development on the site including demolition, building works and tree protection measures.
- 2. Detailed drawings showing the position and type of fencing to protect the entire root areas/crown spread of trees, hedges and other vegetation to be retained shall be submitted to the Local Planning Authority for approval. No site clearance works or development shall be commenced until these drawings have been approved and the fencing has been erected in accordance with the details approved. Unless otherwise agreed in writing by the Local Planning Authority such fencing should be a minimum height of 1.5 metres.
- Thereafter, the development shall be implemented in accordance with the approved details. The fencing shall be retained in position until development is completed.
- The area within the approved protective fencing shall remain undisturbed during the course of the works and in particular in these areas:
 - 2.a There shall be no changes in ground levels;
 - 2.b No materials or plant shall be stored;
 - 2.c No buildings or temporary buildings shall be erected or stationed.
 - 2.d No materials or waste shall be burnt; and
 - 2.e No drain runs or other trenches shall be dug or otherwise created, without the prior written consent of the Local Planning Authority."

Report methodology and guidance

1.2 This AMS has been provided to assist all parties involved in the planning process and has been prepared following a survey of the trees and other vegetation in accordance with British Standard 5837 - Trees in relation to design demolition and construction - Recommendations (2012)¹, hereafter referred to as 'BS5837'. The purpose of this AMS is to provide the methodology for the implementation of any aspect of development that has the potential to result in loss of or damage to a tree to be retained.

- 1.3 BS5837 more broadly provides recommendations and guidance for arboriculturists, architects, builders, engineers, and landscape architects. It is also expected to be of interest to land managers, contractors, planners, statutory undertakers, surveyors, and all others interested in harmony between trees and development in its broadest sense.
- 1.4 BS5837 also refers to the NJUG guidance² as a normative reference, to be used in circumstances relating to the installation of services. This AMS therefore refers to this guidance.

Limitations

- 1.5 This AMS is not an Arboricultural Impact Assessment ('AIA'). Therefore, it does not cover the issue of tree loss and mitigation. This AMS instead covers the methods of work within proximity to retained trees.
- 1.6 This AMS does not provide information and guidance, relating to the management of trees in the context of health and safety. Any specified tree works pertain strictly to the development process, unless otherwise stated.

Planning law and duties

- 1.7 There are various relevant statutes that must be considered and adhered to as part of this AMS. These include but may not be limited to the following statutes.
- 1.8 The Town and Country Planning Act 1990 requires development to be undertaken in accordance with its stipulations. Where a decision notice exists, the development must be undertaken in accordance with its details, including those details discharged by way of condition, restricted by way of limitation or amended through a non-material amendment (Section 96A) or minor amendment (Section 73). Any failure to adhere may result in enforcement action (Sections 171A and 187A) including a stop notice (Section 183). Where trees are legally protected (e.g. by way of Conservation Area designation or a Tree Preservation Order), Part VIII Chapter I of this Act also applies and to which all relevant works must adhere to.
- 1.9 The Natural Environment and Rural Communities Act 2006 at Section 40 confirms that all statutory undertakers have a duty to protect biodiversity - this includes trees. Statutory undertakers cannot operate without appropriate consideration of trees, in the context of development activities. In normal circumstances, statutory undertakers will demonstrate compliance with the recommendations of the NJUG guidelines.
- 1.10 The Town and Country Planning (Tree Preservation)(England) Regulations 2012 applies further restriction on trees protected by statute. Tree works consented as part of a full planning application are considered an exception under Regulation 14(vii) though any amended and additional tree works must be separately consented as an

addition to those works covered by the existing planning consent. Government guidance on this exemption has suggested that it can only be applied when implementing a full grant of planning permission.

Definitions

1.11 The following particular terms and abbreviations may be used within this AMS. These terms are defined by BS5837 as follows, unless otherwise clarified:

- **Arboricultural clerk of works** - *person who has, through relevant education, training and experience, gained expertise in the field of trees in relation to construction*”;
- **Construction Exclusion Zone ('CEZ')** - *“area based on the root protection area from which access is prohibited for the duration of a project”* (used within this AMS interchangeably with Tree Protection Zone or TPZ);
- **Root Protection Area ('RPA')** - *“layout design tool indicating the minimum area around a tree deemed to contain sufficient roots and rooting volume to maintain the tree’s viability, and where the protection of the roots and soil structure is treated as a priority”*; and
- **Tree Protection Plan ('TPP')** - *“scale drawing, informed by descriptive text where necessary, based upon the finalized proposals, showing trees for retention and illustrating the tree and landscape protection measures”*.

Relevant plans and documents

1.12 This AMS is accompanied by relevant plans and documents that are located within the appendices. The appendices include the relevant plans (at Appendix A) and schedules (at Appendix B).

2 SEQUENCE OF OPERATIONS AND SITE MONITORING

Sequence

2.1 The sequence of operations followed as part of the development process are:

- tree removals and tree surgery work;
- installation of tree protection barriers;
- site set up and installation of compound area and welfare facilities for demolition operations;
- demolition of main buildings and structures;
- demolition of lightweight structures including roads, footpaths etc.;
- adjustment of tree protection barriers and areas of temporary ground protection as appropriate for construction phase of development;
- adjustment of compound area and welfare facilities for construction operations;
- construction, including drainage and service installation;
- landscaping; and
- tree condition sign off.

System of Monitoring

2.2 Wherever trees on or adjacent to a site have been identified within the tree protection plan for protective measures, an auditable system of arboricultural site monitoring is required. This includes arboricultural supervision whenever development activity is to take place within the RPA.

2.3 Prior to the commencement of works, contact details of all parties will be circulated to ensure all team members are able to communicate correctly.

Key areas for monitoring

2.4 The following key / critical activities will be inspected and monitored by the appointed arboricultural clerk of works during the course of the development:

- Pre-commencement site meeting with the Site Manager.
- Sign off tree removals and tree surgery works.
- Sign off the tree protection measures for enabling and demolition works.
- Supervise the demolition of the retaining wall adjacent to T2.

- Supervise demolition of existing hard surfacing with RPAs.
- Sign off the tree protection measures for construction works.
- Carry out bi-monthly site visits to inspect the tree protection measures.
- Sign-off tree survey upon completion.

Responsibilities

- 2.5 The Site Manager will be responsible for the protection of all retained trees for the duration of the development project. Whenever necessary, the Site Manager will engage the arboricultural clerk of works to ensure trees are adequately protected.
- 2.6 The Site Manager will explain the importance of the tree protection measures to all site operatives and external sub-contractors working on site during a Site Induction. Each site operative will be made aware of the location of the designated tree protection zones and that no alterations or working operations are permitted within these protected areas without the approval of the arboricultural clerk of works.

Clerk of works report submission

- 2.7 It will be the responsibility of the Site Manager to ensure that the arboricultural clerk of works is given five working days prior notification of any works on site that have been identified as a risk to trees within this statement, so that appropriate supervision can be carried out when required.
- 2.8 Following each site visit, a site inspection report that details the works supervised and the tree protection measures on the site will be submitted by the arboricultural clerk of works to the Project Manager and Site Manager.

Variations

- 2.9 Variation from the details within this method statement can only be decided and instructed by the Site Manager in prior consultation and agreement of the arboricultural clerk of works. Any such proposal will be followed up formally for agreement with the Local Authority Tree Officer prior to the works being carried out, unless deemed to be an emergency.
- 2.10 In the event of an emergency, human health and safety will be the main priority. Works that may affect trees including damage to branches, roots, and rooting areas will require the Site Manager to report to the arboricultural clerk of works immediately before any action is taken. If there is no time to report, the Site Manager must inform the Local Authority Tree Officer and client arboricultural clerk of works immediately following reasonable action.

- 2.11 It will be the responsibility of the Site Manager to ensure that these protocols are complied with, and in all other situations strict adherence to this method statement is complied with.

3 TREE SURGERY WORKS

3.1 Only the tree works that have been specified within this report may be undertaken. This includes the removal of:

- T1 - T5
- T10; and
- T23.

3.2 The south eastern aspect of T8 will be reduced by 3.5m to achieve 2m clearance from the building.

3.3 The southern aspect of T14 and T16 will be reduced back to create uniform screen with the other offsite trees.

3.4 The arboricultural clerk of works will be contacted, to advise on the appropriate response, in the event of any proposed alterations to the specified tree works.

Wildlife and habitat responsibilities

3.5 All tree works will be undertaken in full accordance with the requirements of the *Wildlife and Countryside Act 1981* (as amended), the *Habitat Regulations 2010* and *The Conservation of Habitats and Species Regulations 2017*. These regulations make it an offence to, for example:

- intentionally or deliberately kill, injure, or capture protected species;
- deliberately disturb protected species;
- damage, destroy, or obstruct access to a structure used for shelter or protection by a protected species;
- take, damage, disturb, or destroy the nest of any bird either in use or being built;
- take or destroy the egg of any wild bird; and
- damage, destroy, or obstruct access to any bat roosts.

3.6 It is the responsibility of the relevant individuals and organisations, to ensure that no protected species are harmed, whilst undertaking the consented tree works. Should there be any degree of concern, regarding compliance with statutory requirements, the relevant works must cease, and a professional ecologist consulted before the works re-commence.

4 TREE PROTECTION MEASURES

Site-specific protection measures

- 4.1 Development requires the installation of Tree Protection Barriers and Temporary Ground Protection to safeguard retained trees throughout the Demolition and Construction phase of development.
- 4.2 The location of all tree protection measures are highlighted on the Tree Protection Plans 180315-P-12 at Appendix A. Alternatives to those shown must be agreed in advance by the client approved arboricultural clerk of works.

Specification for barriers

- 4.3 Protective fencing will be constructed of robust barriers fit for the purpose of excluding construction activity and appropriate to the degree and proximity of work taking place around the retained tree(s). Barriers should be maintained to ensure that they remain rigid and complete.
- 4.4 Barriers will consist of 2m tall welded mesh panels on rubber or concrete feet. Fencing panels should be joined together using a minimum of two anti-tamper couplers, which are installed so that they can only be removed from inside the fence. The distance between the fence couplers should be at least 1m and should be uniform throughout the fence. The panels should be supported on the inner side by stabilizer struts, which is attached to a base plate and is secured with ground pins, refer to image 1. Where the use of ground pins is not possible, the stabilizer struts should be mounted on a block tray.

Figure 3 Examples of above-ground stabilizing systems

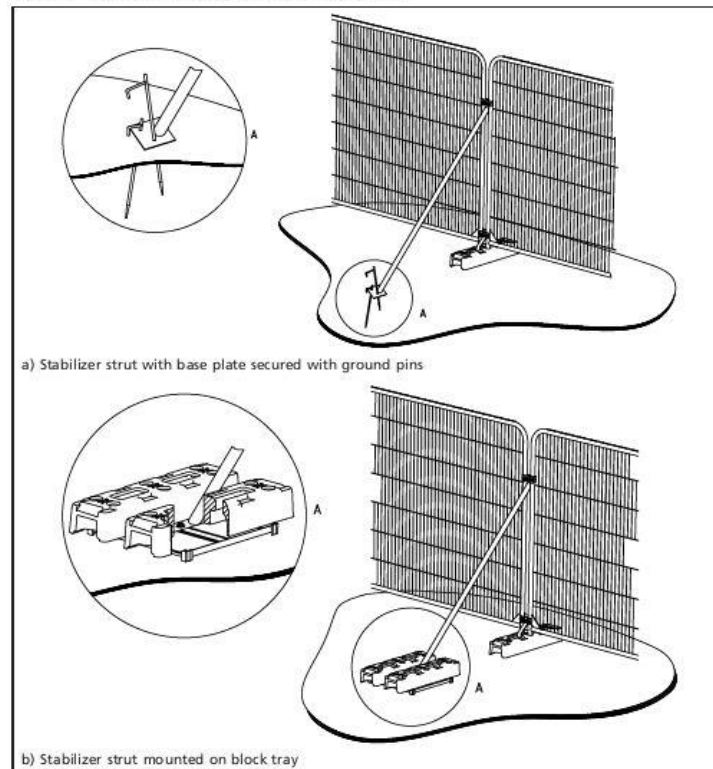


Image 1 - Protective fencing, ground stabilizing image: Image sourced from BS5837: Trees in relation to design, demolition and construction - Recommendations



Image 2 - Tree protection area sign, see Appendix C for scaled printable version:

Specification for ground protection

- 4.5 Existing areas of hard standing will be retained during the early demolition works to provide adequate protection to retained trees until they are removed as part of the enabling works.
- 4.6 Areas of existing hard surfacing may be demolished to the depth of the existing sub-base, removed and replaced with crushed stone laid on top of a geotextile membrane. In areas requiring vehicle access, interlinking ground protection mats or a concrete surface will be required while any other surface treatment may be used for pedestrian use. Refer to Image 5.
- 4.7 **Ground protection for pedestrian operated plant will be required in the following areas:**
- Early demolition phase, retain existing hard surfacing within the RPA of T8 and T9.
 - Enabling works, remove existing hard surfacing under arboricultural supervision within the RPA of T8 and T9 replace with materials sufficient to withstand traffic loads within the vehicle access adjacent to T8 and pedestrian access adjacent to T8 and T9.



Image 1: areas of existing hard surfacing to be retained until broken and removed under arboricultural supervision.

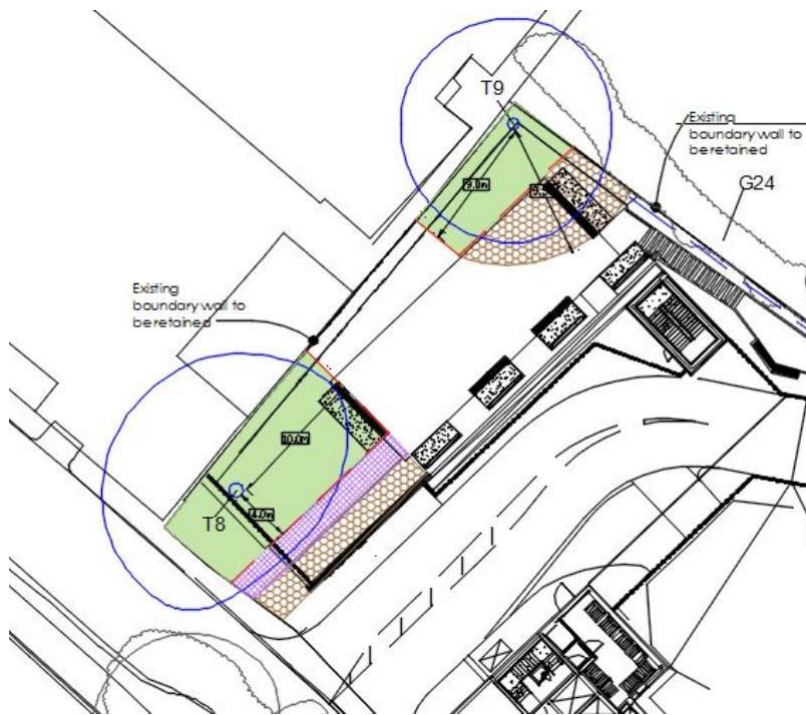


Image 4: areas of existing hard surfacing to be broken and replaced with ground protection suitable for vehicle (honeycomb) and pedestrian (purple) access.



Image 5 - Ground protection mats over hard surfacing: Interlocking ground protection mats can be used to reinforce hard surfacing to support the anticipated load of plant machinery

Additional precautions

- 4.8 Where required, pre-development tree work may be undertaken before the installation of tree protection measures, with the agreement of the arboricultural clerk of works or local planning authority, if appropriate.

- 4.9 No alteration, removal or repositioning of the tree protection will take place without the prior consent of the arboricultural clerk of works, and it will be the site managers responsibility to ensure that all site operatives are made aware of this requirement prior to starting work on site.
- 4.10 Prior to the commencement of works, the proposed Tree Protection Barriers and/or Temporary Ground Protection measures must be inspected and signed off by the arboricultural clerk of works.
- 4.11 No materials, vehicles, plant or personnel will be permitted into the Tree Protection Zones at any time without the prior consent of the arboricultural clerk of works.
- 4.12 Any liquid materials spilled on site will be immediately cleared up and removed from the site. If liquid fuel or cement products are spilled within 2m of the Tree Protection Zone, the contractor will report the incident to the arboricultural clerk of works immediately.
- 4.13 The contractor will report any damage to trees, hedges or shrubs, whether caused by construction activities or from any other cause, to the arboricultural clerk of works immediately.

5 SITE INDUCTION AND SUB-CONTRACTORS

- 5.1 It will be the responsibility of the Site Manager to ensure that all protocols within this document are complied with by all staff on site and that they are informed of the need for strict adherence to this method statement.
- 5.2 A copy of this method statement and appended tree protection plans must be available on site, printed to scale and easily accessible within the site office.
- 5.3 Tree protection measures and the implications associated with wilful damage to trees subject to planning conditions must form part of the site induction of sub-contractors as responsibility will ultimately lie with the site management team.
- 5.4 Any variation to the measures and protocol specified in this document will require prior engagement with the arboricultural clerk of works and potentially the Local Authority, as detailed in section 3.

6 SITE LOGISTICS

Site access

- 6.1 Site access during construction will utilise the existing routes, levels and surfacing. Where anticipated loads will significantly increase within RPAs beyond the bearing capacity of the existing surface (private vehicle to heavy plant), the use of interlocking ground protection matts will be required.

Compound area and welfare facilities

- 6.2 Site cabins, welfare facilities and storage areas required within the RPA of retained trees will need to be positioned above existing ground level and placed on ground protection measures suitable to withstand the proposed load without compaction to the underlying soil. For site cabins and containers this may include foundation pads and/or railway sleepers.
- 6.3 There must be sufficient clearance between the units and the crown of the trees to ensure successful installation and removal without damaging lower branches.



Image 6 - Containers and welfare units within RPA 2: Storage containers and welfare units may be placed and supported on above-ground structures such as pads, blocks and scaffolding.

Internal traffic routeing

- 6.4 Internal traffic routeing of plant machinery and vehicles must respect the tree protection areas and location of tree protection fencing. Vehicle access roads and tracks must avoid tree protection areas unless already managed with sufficient ground protection as part of site wide tree protection measures.

- 6.5 Changes to pedestrian traffic routeing as the site develops may be accommodated within tree protection areas where appropriate ground protections measures are agreed with the arboricultural clerk of works and emplaced. Contact with the arboricultural clerk of works will be required prior to amendments of, or access within, tree protection.

Temporary services

- 6.6 Temporary services are to be installed above ground only within tree protection areas.

7 DEMOLITION ACTIVITIES

7.1 The demolition phase of the development will require that the following works within the RPA of retained trees are managed in order to prevent damage to the trees or their rooting environment:

- removal of existing hard standing and surfaces; and
- removal of low retaining walls.

7.2 The coordination and timing of the proposed demolition works required to be carried out within the RPAs of retained trees or adjacent to their crown extent must be discussed and agreed with the arboricultural clerk of works prior to any working activities being carried out on the site. This is to ensure no rooting areas are left exposed and vulnerable to potential damage during or following these works.

Hard standing and surfaces

7.3 The removal of existing hard standing and surfaces is required within the RPAs of retained trees T8 and T9 as highlighted on the Tree Protection Plan at Appendix A.

- All working operations with tree RPAs are required to be carried out under the guidance and supervision of the arboricultural clerk of works.
- Prior to works commencing, soil cores will be taken within the RPAs of the trees concerned to establish the depth of the existing hard surface material. The results from these core samples will inform how working operations will be undertaken and whether machinery is permitted to the access area.
- The use of machinery to fracture and remove waste material will only be permitted if approved by the supervising arboricultural clerk of works and under the careful guidance of a banksman.
- Works will commence at the point closest to the tree and operate backwards until outside the designated RPA to avoid moving over exposed ground.
- Working from either outside the designated RPA or from an area of existing hard standing or temporary ground protection, the upper surface layer of hard standing will be fractured into small sections.
- Broken material will be lifted and removed to a designated storage area located outside the RPA of retained trees.
- The removal of the sub-base material will be undertaken in a careful manner, ensuring that no excavation works occur beyond the depth of the built material and into the soil layer below.

- Any roots exposed due the removal of hard standing will be covered with a layer of topsoil / sharp sand or wrapped in hessian.
- Temporary ground protection or tree protection barriers will be installed to safeguard the exposed rooting area of the tree until the new hard surface material or replacement topsoil is installed.

Light structures

7.4 Where the low retaining wall will be removed adjacent to T9 the following methodology will be followed.

- Tree protection measures will be removed to allow for the working room required.
- Manual demolition of the structures will be carried out using suitable hand held tools, for concrete footings these will be broken into smaller sections and carefully lifted to avoid tearing any significant roots.
- No machinery will enter the protection area without prior discussion with and agreement of the appointed arboricultural clerk of works.
- All debris will be transported out of the protection area using wheelbarrows, or placed into a waiting vehicle parked outside the tree protection fence.
- Demolition of footings and boundary treatments will remove the debris to sub-base level only; no excavation into virgin ground will take place.
- The levels of the raised earth bed will neither be reduced nor significantly increased but gradually tapered away from the tree to the surrounding levels with additional topsoil.
- Upon completion the area will be clear of all debris, protection measures will be replaced as required for main construction works.

8 CONSTRUCTION ACTIVITIES

Phasing of works

- 8.1 The construction phase of the development will require the installation of hard surfaces in close proximity to retained trees.
- 8.2 The coordination and timing of the proposed demolition works required to be carried out within the RPAs of retained trees or adjacent to their crown extent must be discussed and agreed with the arboricultural clerk of works prior to any working activities being carried out on the site. This is to ensure no rooting areas are left exposed and vulnerable to potential damage following these works.

Hard standing and surfaces

- 8.3 Construction will involve the replacement of existing hard surfacing within the RPAs of T8 and T9.
 - All areas of hard surfacing within these RPAs will utilise the existing subbase depth to prevent damaging roots within undisturbed ground.
 - The formation materials will be engineered withstand the rigours of vehicle and pedestrian access and prevent compaction of the underlying soil.

9 SERVICES, DRAINAGE AND UTILITIES

General technical details

- 9.1 No services are currently proposed within the RPA of retained trees. Any future works to install new services must appropriately consider the technical guidelines as detailed at section 7 of BS 5837, and sections 3-5 of the NJUG guidance and will require written approval from the LPA.
- 9.2 Any queries pertaining to these works must be raised with the arboricultural clerk of works, prior to the works being undertaken.

10 LANDSCAPING ACTIVITIES

10.1 Prior to the commencement of landscaping works a meeting between the landscape contractor, arboricultural clerk of works and main contractor will be held.

10.2 This meeting will establish with the parties present the sequence of events, the purpose of tree protection, communication protocol and the level of inspection and supervision required. Clarification of the following will be required:

- General protection measures;
- Removal of protective fencing;
- Soil levels;
- Use of machinery and tools; and
- Tree planting in root protection.

Use of machinery and tools

10.3 No vehicles will be used within the designated RPAs during landscaping operations.

10.4 Hand tools will be used in these areas to ensure that no tree roots are damaged during the landscaping works.

10.5 On site induction with landscape ground workers will take place by the landscape contractor supervisor who will be responsible for ensuring that all site operatives are aware of this requirement.

10.6 All landscape operations will be in accordance with BS 5837 Trees in relation to design, demolition and construction Recommendations (2012) and BS 4428 (1989) Code of practice for general landscape operations.

Removal of tree protection measures

10.7 Prior to the commencement of landscaping operations, some sections of the protective fencing shall be removed by hand to allow controlled access for works.

10.8 No vehicles will be permitted within this protected area for the purposes of carrying out the landscape operations or for any other purpose.

10.9 All landscape operations within the protected area will be carried out by hand, using hand tools only, unless otherwise agreed with the Local Authority Arboricultural Officer beforehand.

10.10 No dumping of spoil or rubbish, parking of vehicles or plant, storage of materials or temporary accommodation will be undertaken within the protected area.

- 10.11 All tree roots within the protected area greater than 25mm diameter will be retained and worked around.

Planting of vegetation

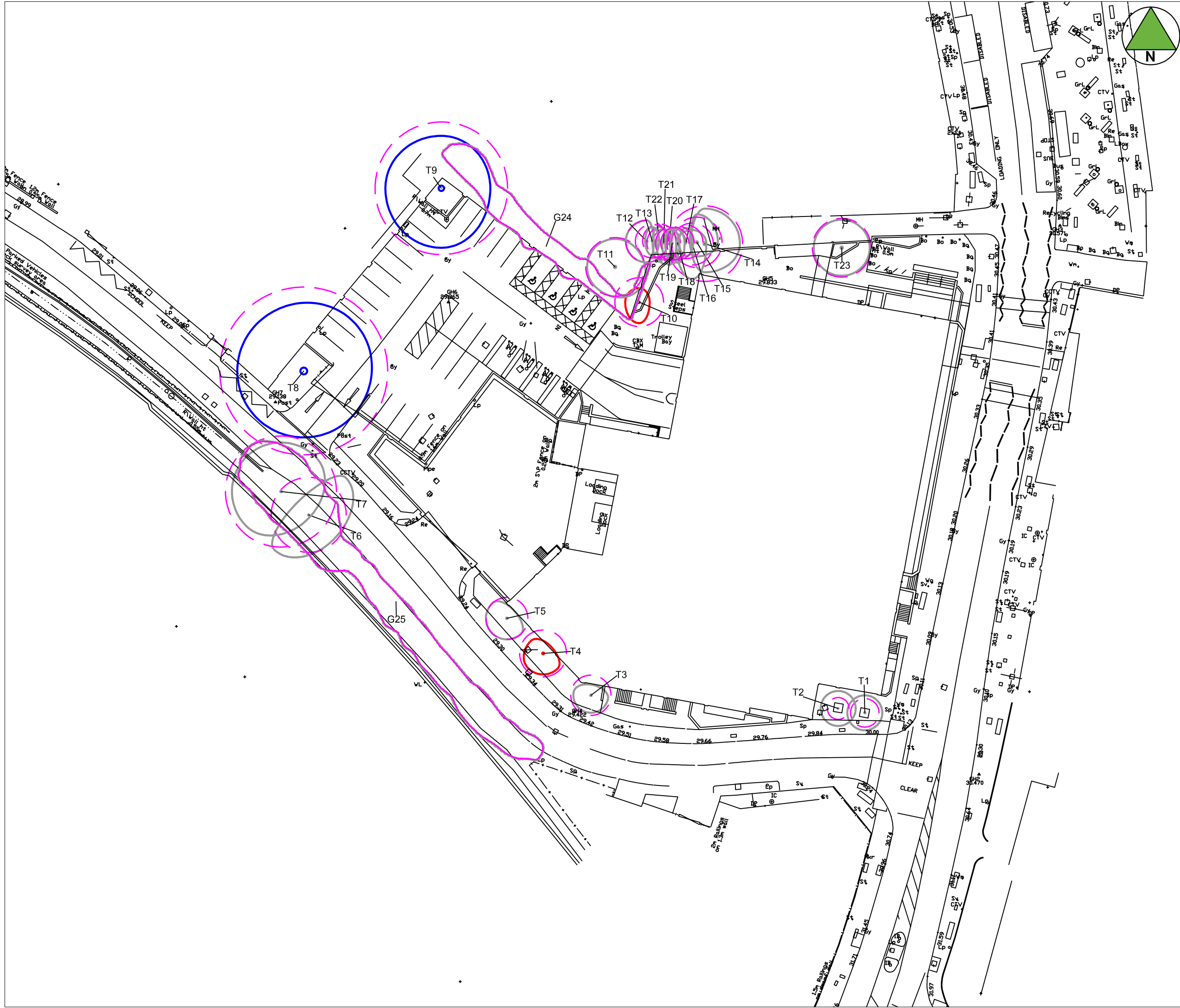
- 10.12 Where tree or shrub planting is proposed within root protection areas the following methods will apply.
- 10.13 Planting tree pits will be excavated manually, any roots of existing trees greater than 25mm diameter encountered will be retained and if necessary, the tree pit will be moved to allow for their retention.
- 10.14 All roots greater than 25mm in diameter will be retained and will immediately be wrapped in damp hessian to prevent desiccation and temperature fluctuations.
- 10.15 Immediately after the new tree is planted, the pit will be backfilled in accordance with the landscape architect specification. Exposed roots must be recovered with soil within 2 hours of exposure

Soil levels

- 10.16 Soil levels will not be increased or reduced within the crown spread of trees by more than 50mm above or below existing soil levels.

APPENDIX A - Plans

- 180315-P-10a Tree Survey
- 180315-P-11a Proposed
- 180315-P-12a TPP Demolition
- 180315-P-13a TPP Construction





The original of this drawing was produced in colour - a monochrome copy should not be relied upon.

BS 5837:2012 TREE RETENTION CATEGORIES

Category A
Trees of high quality with an estimated remaining life expectancy of at least 40 years.

Category B
Trees of moderate quality with an estimated remaining life expectancy of at least 20 years.

Category C
Trees of low quality with an estimated remaining life expectancy of at least 10 years or young trees with a stem diameter below 150mm.

Category U
Those in such a condition that the tree cannot realistically be retained as living trees in the context of the current land use for longer than 10 years.

BS5837 Root Protection Areas
Precautionary areas within which tree roots and soil structure must be protected. All works within these areas will require special methods of work.

a	20.01.21	Updated from recent site visit	HR
REV	DATE	DESCRIPTION	DRAWN
Base Drawing			
2018			
0 5m 10m 20m			

Title
Tree Survey

Client
Harbourside Investments Ltd

Project
43-67 High Street, Yiewsley, West Drayton
UB7 7QQ

Date January 2021	Drawn by HR	Checked by -
Drawing No 180315-P-10	Rev a	Scale 1:500@A3

DO NOT SCALE Use only figured dimensions



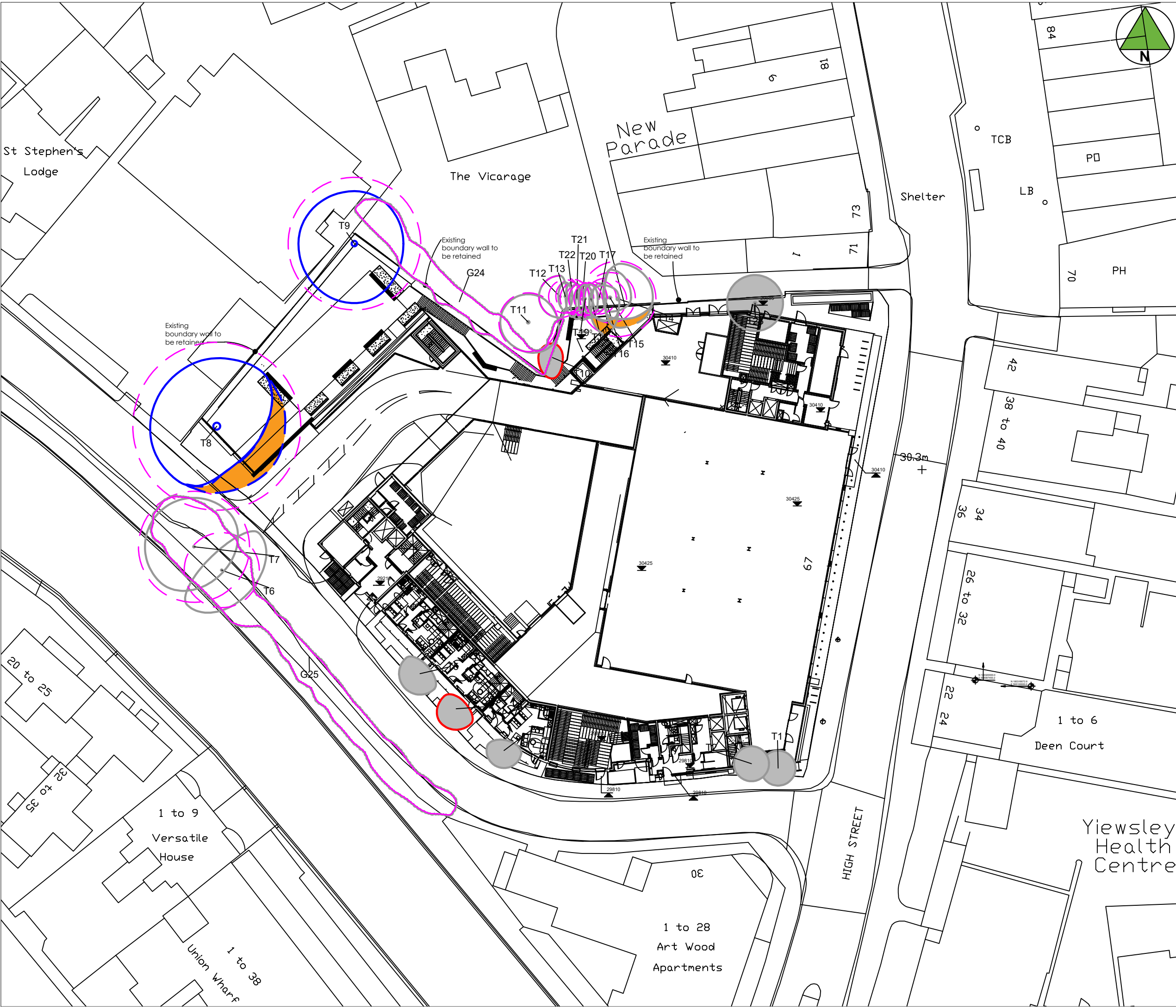
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arboriculture ecology landscape innovation





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BS 5837:2012 TREE RETENTION CATEGORIES

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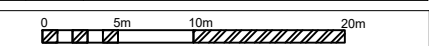
Category U
Those in such a condition that the tree cannot realistically be retained as living trees in the context of the current land use for longer than 10 years.

BS5837 Root Protection Areas
Precautionary areas within which tree roots and soil structure must be protected. All works within these areas will require special methods of work.

Trees to be removed shown shaded grey.

Trees to be reduced back shown shaded orange.

a	19.02.21	16128-sheet-001	HR
REV	DATE	DESCRIPTION	DRAWN
Base Drawing			
	19.02.21	16128-sheet-001	



Title
Proposed Layout and Tree Works

Client
Harbourside Investments Ltd

Project
43-67 High Street, Yiewsley, West Drayton UB7 7QQ

Date January 2021	Drawn by HR	Checked by -
Drawing No 180315-P-11	Rev a	Scale 1:500@A3

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ARBORICULTURAL METHOD STATEMENT

TREE WORKS
Only the tree works specified within this report may be undertaken, after the appropriate planning consents have been acquired and in order to implement the consent. In the event of any uncertainty regarding tree works, the retained arboricultural consultant will be consulted and where appropriate the Local Planning Authority.

All tree works will be undertaken, in accordance with the best-practice recommendations provided in BS 3998:2010. The statutory responsibilities as outlined in the Wildlife and Countryside Act 1981 (as amended) and the Habitat Regulations 2010 will also be complied with.

TREE PROTECTION FENCING

The tree protection fencing and (where appropriate) ground protection, will be installed as specified within this plan, prior to the commencement of any demolition and construction works. No plant or materials will be delivered to site prior to the construction of the tree protective fencing other than those required to install the tree protection fencing. On every third panel, a sign will be fixed that states "Tree Protection Zone (TPZ). Keep out. Any incursion into this area must be agreed in advance with the retained arboricultural consultant and Local Planning Authority." An example of this sign is provided within this plan.

The position of the tree protection fencing must not be amended and no individual panels will be uncoupled, without the agreement of the retained arboricultural consultant and/or Local Planning Authority.

SERVICES AND DRAINAGE

The installation of drainage runs, manholes, storage tanks, and utilities will be positioned outside the root protection areas of retained trees. If the installation of new services and drainage runs are required within the root protection areas (RPAs) of retained trees, all methods of working will follow the guidance within Table 3 of BS 5837 or the National Joint Utilities Group's (NJUG) Guidelines for the planning, installation and maintenance of utility apparatus in proximity to trees (volume 4, issue 2).

Excavation works within the RPAs of retained trees will be undertaken manually with the use of hand tools only (under the supervision of the retained arboricultural consultant), unless otherwise agreed in advance by the retained arboricultural consultant. It is recommended that an air lance - and if required a soil vacuum - is used, to excavate service trenches within RPAs. If soil conditions are not suitable for this method of excavation, alternative hand tools can be used once agreed in advance by the retained arboricultural consultant.

All roots greater than 25mm in diameter will be retained and will immediately be wrapped in hessian or another appropriate material, to prevent desiccation and temperature fluctuations. Roots will be pushed aside to allow for runs to be installed, where this is practical and without causing root damage.

No machinery will be permitted within the TPZ, at any time, unless agreed in advance with the retained arboricultural consultant.

NO-DIG CONSTRUCTION AREAS

Areas that will require no-dig methods of construction are shown within this plan. Working methods within these areas will comply with the details outlined in the main report and in advance of works being undertaken will be agreed with the retained arboricultural consultant.

SITE SUPERVISION

The necessary activities that will affect the retained trees and other vegetation will require arboricultural supervision (i.e. clerk of works). These activities are specified within the main report. It will be the responsibility of the main contractor or project manager to confirm the date and time of the supervision elements, at least 5 working days in advance of the works being undertaken, to ensure the works are supervised.

Supervision visits will also occur, at the following points:

- Inspection of tree protection measures and tree works, prior to commencement of any demolition and construction activities;
- Supervision of works to install service runs (e.g. utilities and drainage) within the RPA of retained trees; and
- At specified intervals during the site activities and upon completion of works.

GENERAL PROTECTION METHODS

No fires will be permitted, within 20m of the crown of any tree or other area of vegetation that includes hedgerows and groups of trees.

No changes in soil level will occur, within the TPZs and RPAs, without agreement in advance with the retained arboricultural consultant.

The TPZs will at all times remain free of liquids, materials, vehicles, plant, and personnel, without agreement in advance with the retained arboricultural consultant.

Any liquid materials spilled on site will immediately be cleared up. If liquids are spilled within 2m of any TPZ or RPA, the incident will immediately be reported to the retained arboricultural consultant, to determine the appropriate response.

All damage to trees and other vegetation will immediately be reported to the retained arboricultural consultant, to determine the appropriate response.



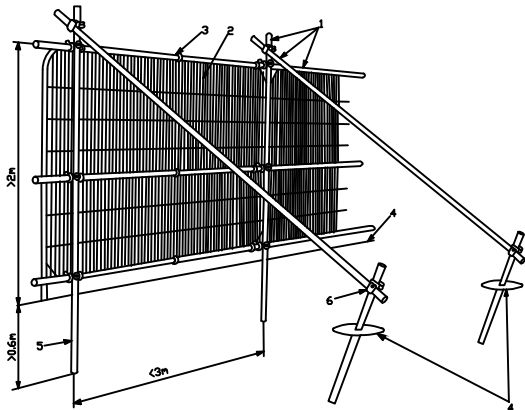
**TREE PROTECTION
AREA
KEEP OUT!**

ANY INCURSION INTO THE PROTECTED AREA MUST BE WITH THE
AGREEMENT OF THE LOCAL AUTHORITY OR ARBORICULTURAL
CONSULTANT



0845 094 3268

Protective Fencing Specification



Key

- Standard scaffold poles.
- Heavy gauge 2m tall galvanized tube and welded mesh infill panels.
- Panels secured to upright and cross-members with wire ties.
- Ground level.
- Uprights driven into the ground until secure (minimum depth 0.6m).
- Standard scaffold clamps.



The original of this drawing was produced in colour - a monochrome copy should not be relied upon.

BS 5837:2012 TREE RETENTION CATEGORIES

Category A
Trees of high quality with an estimated remaining life expectancy of at least 40 years.

Category B
Trees of moderate quality with an estimated remaining life expectancy of at least 20 years.

Category C
Trees of low quality with an estimated remaining life expectancy of at least 10 years or young trees with a stem diameter below 150mm.

Category U
Those in such a condition that the tree cannot realistically be retained as living trees in the context of the current land use for longer than 10 years.

Position of protective fencing and tree protection zones.

Existing wall retained for tree protection.

Retaining wall to be removed under arboricultural supervision. Do not alter internal levels within raised bed, proposed landscape levels must tie in with existing level.

Existing hard standing to be retained during main demolition works. Schedule removal during main construction phase and agree time frame with arboricultural consultant. Removal not to exceed sub base layer and to be carried out under arboricultural supervision.

a	19.02.21	Updated from recent site visit	HR
REV	DATE	DESCRIPTION	DRAWN
-	19.02.21	Base Drawing	HR
0 5m 10m 20m			

Title
Tree Protection for Demolition

Client
Harbourside Investments Ltd

Project
43-67 High Street, Yiewsley, West Drayton
UB7 7QQ

Date	January 2021	Drawn by	HR	Checked by	-
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Drawing No	180315-P-12	Rev	a	Scale	1:500@A3
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DO NOT SCALE Use only figured dimensions



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ARBORICULTURAL METHOD STATEMENT

TREE WORKS

Only the tree works specified within this report may be undertaken, after the appropriate planning consents have been acquired and in order to implement the consent. In the event of any uncertainty regarding tree works, the retained arboricultural consultant will be consulted and where appropriate the Local Planning Authority.

All tree works will be undertaken, in accordance with the best-practice recommendations provided in BS 3998:2010. The statutory responsibilities as outlined in the Wildlife and Countryside Act 1981 (as amended) and the Habitat Regulations 2010 will also be complied with.

TREE PROTECTION FENCING

The tree protection fencing and (where appropriate) ground protection, will be installed as specified within this plan, prior to the commencement of any demolition and construction works. No plant or materials will be delivered to site prior to the construction of the tree protective fencing other than those required to install the tree protection fencing. On every third panel, a sign will be fixed that states "Tree Protection Zone (TPZ). Keep out. Any incursion into this area must be agreed in advance with the retained arboricultural consultant and Local Planning Authority." An example of this sign is provided within this plan.

The position of the tree protection fencing must not be amended and no individual panels will be uncoupled, without the agreement of the retained arboricultural consultant and/or Local Planning Authority.

SERVICES AND DRAINAGE

The installation of drainage runs, manholes, storage tanks, and utilities will be positioned outside the root protection areas of retained trees. If the installation of new services and drainage runs are required within the root protection areas (RPAs) of retained trees, all methods of working will follow the guidance within Table 3 of BS 5837 or the National Joint Utilities Group's (NJUG) Guidelines for the planning, installation and maintenance of utility apparatus in proximity to trees (volume 4, issue 2).

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All roots greater than 25mm in diameter will be retained and will immediately be wrapped in hessian or another appropriate material, to prevent desiccation and temperature fluctuations. Roots will be pushed aside to allow for runs to be installed, where this is practical and without causing root damage.

No machinery will be permitted within the TPZ, at any time, unless agreed in advance with the retained arboricultural consultant.

NO-DIG CONSTRUCTION AREAS

Areas that will require no-dig methods of construction are shown within this plan. Working methods within these areas will comply with the details outlined in the main report and in advance of works being undertaken will be agreed with the retained arboricultural consultant.

SITE SUPERVISION

The necessary activities that will affect the retained trees and other vegetation will require arboricultural supervision (i.e. clerk of works). These activities are specified within the main report. It will be the responsibility of the main contractor or project manager to confirm the date and time of the supervision elements, at least 5 working days in advance of the works being undertaken, to ensure the works are supervised.

Supervision visits will also occur, at the following points:

- Inspection of tree protection measures and tree works, prior to commencement of any demolition and construction activities;
- Supervision of works to install service runs (e.g. utilities and drainage) within the RPA of retained trees; and
- At specified intervals during the site activities and upon completion of works.

GENERAL PROTECTION METHODS

No fires will be permitted, within 20m of the crown of any tree or other area of vegetation that includes hedgerows and groups of trees.

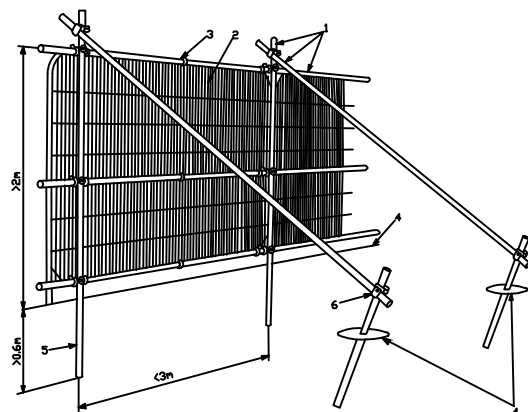
No changes in soil level will occur, within the TPZs and RPAs, without agreement in advance with the retained arboricultural consultant.

The TPZs will at all times remain free of liquids, materials, vehicles, plant, and personnel, without agreement in advance with the retained arboricultural consultant.

Any liquid materials spilled on site will immediately be cleared up. If liquids are spilled within 2m of any TPZ or RPA, the incident will immediately be reported to the retained arboricultural consultant, to determine the appropriate response.

All damage to trees and other vegetation will immediately be reported to the retained arboricultural consultant, to determine the appropriate response.

Protective Fencing Specification



Key

- 1 Standard scaffold poles.
- 2 Heavy gauge 2m tall galvanized tube and welded mesh infill panels.
- 3 Panels secured to upright and cross-members with wire ties.
- 4 Ground level.
- 5 Uprights driven into the ground until secure (minimum depth 0.6m).
- 6 Standard scaffold clamps.



**TREE PROTECTION
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KEEP OUT!**

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CONSULTANT

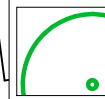


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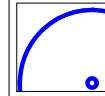


The original of this drawing was produced in colour - a monochrome copy should not be relied upon.

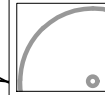
BS 5837:2012 TREE RETENTION CATEGORIES



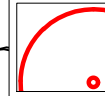
Category A
Trees of high quality with an estimated remaining life expectancy of at least 40 years.



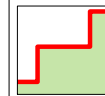
Category B
Trees of moderate quality with an estimated remaining life expectancy of at least 20 years.



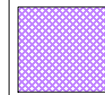
Category C
Trees of low quality with an estimated remaining life expectancy of at least 10 years or young trees with a stem diameter below 150mm.



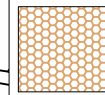
Category U
Those in such a condition that the tree cannot realistically be retained as living trees in the context of the current land use for longer than 10 years.



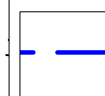
Position of protective fencing and tree protection zones.



Proposed footpath constructed above existing sub base layer.



Existing hard standing to be retained during the main construction works to act as ground protection.



Existing wall retained for tree protection.

REV	DATE	DESCRIPTION	HR
1	19.02.21	Update from recent site visit	HR
2	19.02.21	16128-sheet-001	
Base Drawing			
0 5m 10m 20m			

Title		
Tree Protection for Construction Level 0		
Client		
Harbourside Investments Ltd		
Project		
43-67 High Street, Yiewsley, West Drayton UB7 7QQ		
Date	Drawn by	Checked by
February 2021	HR	-
Drawing No	Rev	Scale
180315-P-13	a	1:500@A3
DO NOT SCALE Use only figured dimensions		



The Barn, Feltham Park, Chalk Lane, Harlow, Essex CM17 0PF

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APPENDIX B - Schedules

- 180315-P-12 Tree Work Schedule
- 180315-PD-10a Tree Schedule

180315-PD-12 - Planning Tree Works Schedule

Yiewsley West Drayton UB7

ID	No. / Species	BS5837 Category	Purpose of works Recommended works	Status
T1	1 Betula jacquemontii Himalayan Birch	C2	To facilitate development Fell - Ground level.	Proposed
T2	1 Betula jacquemontii Himalayan Birch	C2	To facilitate development Fell - Ground level.	Proposed
T3	1 Sorbus aria Whitebeam	C2	To facilitate development Fell - Ground level.	Proposed
T4	1 Sorbus aria Whitebeam	U	To facilitate development Fell - Ground level.	Proposed
T5	1 Sorbus aria Whitebeam	C2	To facilitate development Fell - Ground level.	Proposed
T8	1 Platanus x hispanica London Plane	B1/B2	To facilitate development End-weight reduction - Specified extent. Reduce lateral growth adjacent to proposed building to achieve 2m clearance (3.5m reduction). To allow access for plant Lift low canopy - Highways clearance. Lift canopy above existing access to provide 5m clearance from ground level for construction vehicles.	Proposed Proposed
T10	1 Sambucus nigra Elder	U	To facilitate development Fell - Ground level.	Proposed
T14	1 Cupressocyparis leylandii Leyland Cypress	C2	To facilitate development End-weight reduction - Specified extent. Reduce overhanging crown by 1m to facilitate demolition.	Proposed
T16	1 Cupressocyparis leylandii Leyland Cypress	C2	To facilitate development End-weight reduction - Specified extent. Reduce overhanging crown by 1m to facilitate demolition.	Proposed
T23	1 Acer negundo Box Elder (Ash - Leaved) Maple	C1	To facilitate development Fell - Ground level.	Proposed

Tree work analysis (trees and trees in groups)

	To allow access for plant	To facilitate development	Total
End-weight reduction - Specified	0	3	3
Fell - Ground level	0	7	7
Lift low canopy - Highways clearance	1	0	1
Total	1	10	11

180315-PD-10a Tree schedule (BS5837)

180315 - Yiewsley West Drayton

Tree ID	No. Species	Height (m)	Stem diameter (cm)	No. of Stems	CROWN SPREAD (m)								Crown clearance (m)	L.B. (m)	Life stage	Condition Notes	Survey date	RPA (m ²)	RPR (m)	Life expectancy (yrs)	BS Category
					N	NE	E	SE	S	SW	W	NW									
Tree T1	1 Betula jacquemontii (Himalayan Birch)	7.0	17	1	2.5		2.5		2.5		2.5		2.0		Early Mature	Structural condition Fair. Physiological condition Fair. Root environment - Compacted.	15/01/2021	13.1	2.0	10-20	C2
Tree T2	1 Betula jacquemontii (Himalayan Birch)	10.0	13	1	2.5		2.5		2.5		2.5		2.0		Early Mature	Structural condition Fair. Physiological condition Fair. Root environment - Compacted.	15/01/2021	7.6	1.6	10-20	C2
Tree T3	1 Sorbus aria (Whitebeam)	7.0	24	1	1.5		2.5		2.5		2.5		2.0		Early Mature	Structural condition Fair. Physiological condition Fair. Crown reduction - Recent. Suppressed crown - Minor.	15/01/2021	26.1	2.9	10-20	C2
Tree T4	1 Sorbus aria (Whitebeam)	7.0	28	1		1.5		3.0		3.0		2.5	2.0		Early Mature	Structural condition Poor. Physiological condition Fair. Crown reduction - Recent. Decay / structural defect - Bole. Form - Attenuated stem / stems. Suppressed crown - Minor.	15/01/2021	35.5	3.4	0-10	U
Tree T5	1 Sorbus aria (Whitebeam)	7.0	25	1		1.5		3.0		3.0		3.0	2.0		Early Mature	Structural condition Fair. Physiological condition Fair. Branch - Broken. Crown reduction - Recent. Suppressed crown - Minor.	15/01/2021	28.3	3.0	10-20	C2
Tree T6	1 Fraxinus excelsior (Ash)	14.0	44 COM	5		7.5		5.0		7.0		2.4	4.0		Mature	Structural condition Fair. Physiological condition Fair. Base / stems obscured - Vegetation. Die-back - Mid crown.	15/01/2021	90.5	5.4	10-20	C2
Tree T7	1 Fraxinus excelsior (Ash)	14.0	66 COM	7		7.0		5.5		7.0		7.0	4.0		Mature	Structural condition Fair. Physiological condition Fair. Base / stems obscured - Vegetation. Die-back - Mid crown.	15/01/2021	197.9	7.9	10-20	C2
Tree T8	1 Platanus x hispanica (London Plane)	18.0	100	1		10.0		9.5		9.5		9.5	2.5	1.8 NE	Mature	Structural condition Good. Physiological condition Good. Arboricultural work - Recent. Branch weight - Heavy. Form - Spreading crown.	15/01/2021	452.4	12.0	20-40	B1/B2

Stem **green** Estimated value

Stem **AVE** Average stem diameter for tree groups

Stem **COM** Combined stem diameter in accordance with BS5837

L.B. Height of lowest branch attachment (m) - where relevant

The survey information in this schedule has been gathered following a BS5837 survey for planning purposes. Where hazardous trees have been noted recommendations for works may have been made but this survey cannot be relied upon as a full health and safety assessment of the trees.

Generated By

180315 - Yiewsley West Drayton

Tree ID	No. Species	Height (m)	Stem diameter (cm)	No. of Stems	CROWN SPREAD (m)								Crown clearance (m)	L.B. (m)	Life stage	Condition Notes	Survey date	RPA (m ²)	RPR (m)	Life expectancy (yrs)	BS Category
Tree T9	1 Platanus x hispanica (London Plane)	19.0	79	1	7.5	7.0	8.5	8.0					2.0	2 S	Mature	Structural condition Good. Physiological condition Good. Arboricultural work - Historic. Branch weight - Heavy. Form - Spreading crown. Located within raised brick planter.	15/01/2021	282.3	9.5	20-40	B2
Tree T10	1 Sambucus nigra (Elder)	6.0	29 COM	5	2.0	1.5	3.0	2.0					4.0		Mature	Structural condition Poor. Physiological condition Poor. Base / stems obscured - Vegetation. Unbalanced crown - Major.	15/01/2021	38.2	3.5	0-10	U
Tree T11	1 Fraxinus angustifolia (Narrow Leaved Ash)	12.0	35	1	4.0	4.7	4.0	4.0					4.0		Early Mature	Structural condition Fair. Physiological condition Fair. Offsite tree dimensions estimated.	15/01/2021	55.4	4.2	10-20	C2
Tree T12	1 Cupressocyparis leylandii (Leyland Cypress)	10.0	25	1	3.0	1.0	3.0	3.0					3.0		Early Mature	Structural condition Fair. Physiological condition Fair. Crown lifted site side. Narrow spacing. Boundary screening.	15/01/2021	28.3	3.0	10-20	C2
Tree T13	1 Cupressocyparis leylandii (Leyland Cypress)	11.0	20	1	2.0	1.0	2.0	1.0					3.0		Early Mature	Structural condition Fair. Physiological condition Fair. Crown lifted site side. Narrow spacing. Boundary screening.	15/01/2021	18.1	2.4	10-20	C2
Tree T14	1 Cupressocyparis leylandii (Leyland Cypress)	13.0	45	1	5.0	5.0	4.1	2.0					4.0		Early Mature	Structural condition Poor. Physiological condition Fair. Branch - Broken. Crown lifted site side. Narrow spacing. Boundary screening.	15/01/2021	91.6	5.4	10-20	C2
Tree T15	1 Cupressocyparis leylandii (Leyland Cypress)	14.0	30	1	4.0	3.0	2.0	1.0					6.0		Early Mature	Structural condition Fair. Physiological condition Fair. Crown lifted site side. Narrow spacing. Boundary screening.	15/01/2021	40.7	3.6	10-20	C2
Tree T16	1 Cupressocyparis leylandii (Leyland Cypress)	14.0	25	1	2.0	2.0	5.0	2.3					3.0		Early Mature	Structural condition Fair. Physiological condition Fair. Crown lifted site side. Narrow spacing. Boundary screening.	15/01/2021	28.3	3.0	10-20	C2

Stem **green** Estimated value

Stem **AVE** Average stem diameter for tree groups

Stem **COM** Combined stem diameter in accordance with BS5837

L.B. Height of lowest branch attachment (m) - where relevant

The survey information in this schedule has been gathered following a BS5837 survey for planning purposes. Where hazardous trees have been noted recommendations for works may have been made but this survey cannot be relied upon as a full health and safety assessment of the trees.

Generated By



180315 - Yiewsley West Drayton

Tree ID	No. Species	Height (m)	Stem diameter (cm)	No. of Stems	CROWN SPREAD (m)								Crown clearance (m)	L.B. (m)	Life stage	Condition Notes	Survey date	RPA (m ²)	RPR (m)	Life expectancy (yrs)	BS Category
Tree T17	Cupressocyparis leylandii (Leyland Cypress)	14.0	20	1	2.0		1.0		2.0		1.0		3.0		Early Mature	Structural condition Fair. Physiological condition Fair. Crown lifted site side. Narrow spacing. Boundary screening.	15/01/2021	18.1	2.4	10-20	C2
Tree T18	1 Cupressocyparis leylandii (Leyland Cypress)	14.0	20	1	2.0		1.0		2.83		1.0		3.0		Early Mature	Structural condition Fair. Physiological condition Fair. Crown lifted site side. Narrow spacing. Boundary screening.	15/01/2021	18.1	2.4	10-20	C2
Tree T19	1 Cupressocyparis leylandii (Leyland Cypress)	13.0	20	1	2.0		1.0		2.92		1.0		3.0		Early Mature	Structural condition Fair. Physiological condition Fair. Crown lifted site side. Narrow spacing. Boundary screening.	15/01/2021	18.1	2.4	10-20	C2
Tree T20	1 Cupressocyparis leylandii (Leyland Cypress)	12.0	20	1	2.0		1.0		3.0		1.0		3.0		Early Mature	Structural condition Fair. Physiological condition Fair. Crown lifted site side. Narrow spacing. Boundary screening.	15/01/2021	18.1	2.4	10-20	C2
Tree T21	1 Cupressocyparis leylandii (Leyland Cypress)	12.0	20	1	2.0		1.0		3.0		1.0		3.0		Early Mature	Structural condition Fair. Physiological condition Fair. Crown lifted site side. Narrow spacing. Boundary screening.	15/01/2021	18.1	2.4	10-20	C2
Tree T22	1 Cupressocyparis leylandii (Leyland Cypress)	12.0	20	1	2.0		1.0		3.0		1.0		3.0		Early Mature	Structural condition Fair. Physiological condition Fair. Crown lifted site side. Narrow spacing. Boundary screening.	15/01/2021	18.1	2.4	10-20	C2
Tree T23	1 Acer negundo (Box Elder (Ash - Leaved) Maple)	10.0	35	1	4.0		4.0		4.0		4.0		2.5		Mature	Structural condition Fair. Physiological condition Fair. Crown reduction - Recent. Decline - Suspected. Suppressed crown - Minor. Located in raised brick planter.	15/01/2021	55.4	4.2	10-20	C1

Stem **green** Estimated value

Stem **AVE** Average stem diameter for tree groups

Stem **COM** Combined stem diameter in accordance with BS5837

L.B. Height of lowest branch attachment (m) - where relevant

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MyTREES
tree management software

180315 - Yiewsley West Drayton

Tree ID	No. Species	Height (m)	Stem diameter (cm)	No. of Stems	CROWN SPREAD (m)								Crown clearance (m)	L.B. (m)	Life stage	Condition Notes	Survey date	RPA (m ²)	RPR (m)	Life expectancy (yrs)	BS Category
					N	NE	E	SE	S	SW	W	NW									
Group G24	Malus sp. (Apple sp.)	4.0	12 AVE	1									1.0		Early Mature	Structural condition Fair. Physiological condition Fair. Offsite shrubs, ivy and vegetation.	15/01/2021	6.5	1.4	10-20	C2
	1 Rhus typhina (Stag's Horn Sumach)																				
Group G25	10 Fraxinus excelsior (Ash)	5.0	12 AVE	1									2.0		Early Mature	Structural condition Fair. Physiological condition Fair. Offsite shrubs, ivy and vegetation.	15/01/2021	6.5	1.4	10-20	C2
	2 Cerasus avium (Wild Cherry)																				
	3 Sambucus nigra (Elder)																				
	3 Crataegus monogyna (Common Hawthorn/Quick/May)																				
	6 Ulmus procera (English Elm)																				

Stem **green** Estimated value

Stem **AVE** Average stem diameter for tree groups

Stem **COM** Combined stem diameter in accordance with BS5837

L.B. Height of lowest branch attachment (m) - where relevant

The survey information in this schedule has been gathered following a BS5837 survey for planning purposes. Where hazardous trees have been noted recommendations for works may have been made but this survey cannot be relied upon as a full health and safety assessment of the trees.

Generated By

MyTREES
tree management software

Category and definition	Criteria (including subcategories where appropriate)			Identification on plan
Trees unsuitable for retention (see note)				
Category U Those in such a condition that they cannot realistically be retained as living trees in the context of the current land use for longer than 10 years	* Trees that have a serious, irremediable, structural defect, such that their early loss is expected due to collapse, including those that will become unviable after removal of other category U trees (e.g. where, for whatever reason, the loss of companion shelter cannot be mitigated by pruning) * Trees that are dead or are showing signs of significant, immediate, and irreversible overall decline * Trees infected with pathogens of significance to health and/or safety of other trees nearby, or very low quality trees suppressing adjacent trees of better quality NOTE Category U trees can have existing or potential conservation value which it might be desirable to preserve; see 4.5.7	RED		
	1 Mainly arboricultural qualities	2 Mainly landscape qualities	3 Mainly cultural values, including conservation	
Trees to be considered for retention				
Category A Trees of high quality with an estimated remaining life expectancy of at least 40 years	Tree that are particularly good examples of their species, especially if rare or unusual; or those that are essential components of groups or formal or semi-formal arboricultural features (e.g. the dominant and/or principal trees within an avenue).	Trees, groups or woodlands of particular visual importance as arboricultural and/or landscape features.	Trees, groups or woodlands of significant conservation, historical, commemorative or other value (e.g. veteran trees or wood-pasture).	GREEN
Category B Trees of moderate quality with an estimated remaining life expectancy of at least 20 years	Trees that might be included in category A, but are downgraded because of impaired condition (e.g. presence of significant though remediable defects, including unsympathetic past management and storm damage), such that they are unlikely to be suitable for retention for beyond 40 years; or trees lacking the special quality necessary to merit the category A designation.	Trees present in numbers, usually growing as groups or woodlands, such that they attract a higher collective rating than they might as individuals; or trees occurring as collectives but situated so as to make little visual contribution to the wider locality.	Trees with material conservation or other cultural value.	BLUE
Category C Trees of low quality with an estimated remaining life expectancy of at least 10 years, or young trees with a stem diameter below 150 mm	Unremarkable trees of very limited merit or such impaired condition that they do not qualify in higher categories.	Trees present in groups or woodlands, but without this conferring on them significantly greater collective landscape value; and/or trees offering low or only temporary/transient landscape benefits.	Trees with no material conservation or other cultural value.	GREY

APPENDIX C - Tree protection sign

- TREE PROTECTION AREA SIGN (with logo) EM EDIT



**TREE PROTECTION
AREA
KEEP OUT!**

**ANY INCURSION INTO THE PROTECTED AREA MUST BE WITH THE
AGREEMENT OF THE LOCAL AUTHORITY OR ARBORICULTURAL
CONSULTANT**



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