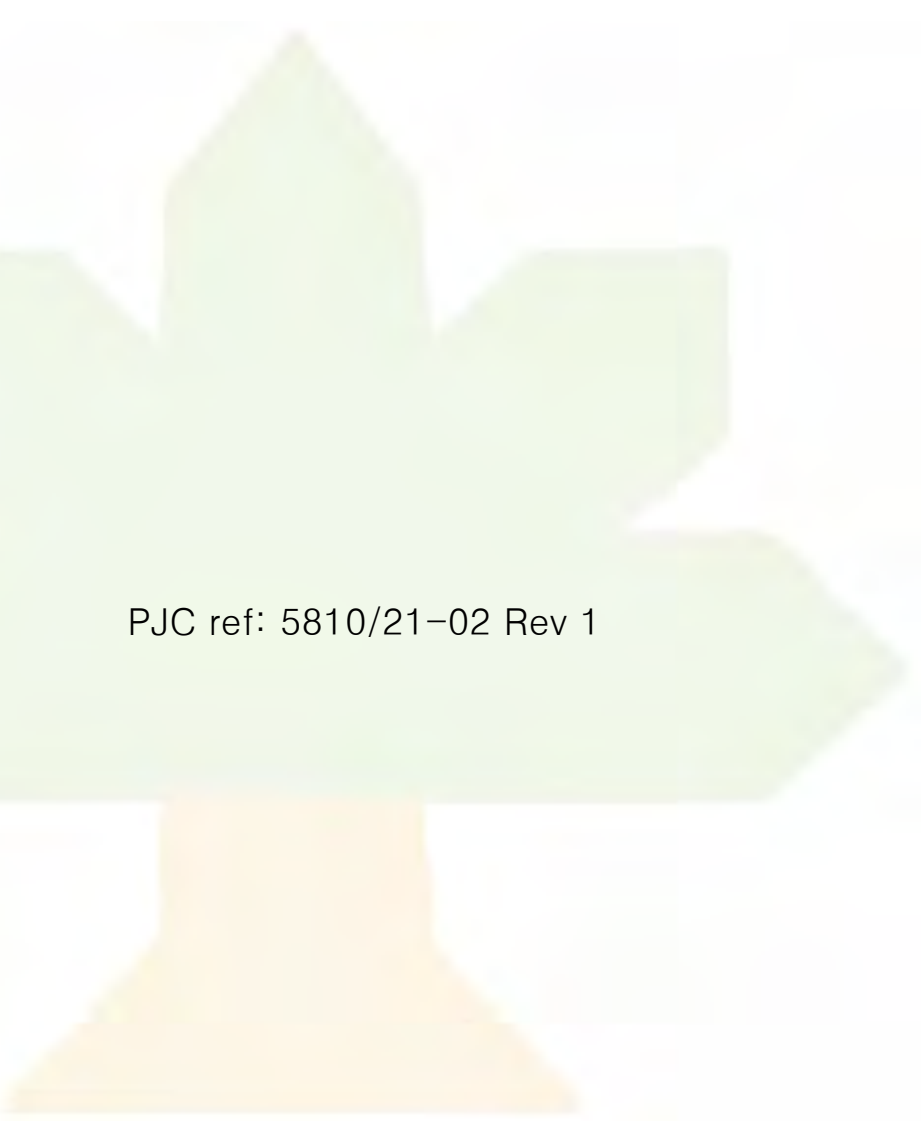


Arboricultural impact assessment,
method statement and
tree protection plan

6 Avonmouth Street
London
SE1

19th October 2021

A faint, stylized illustration of a tree with a thick, light brown trunk and a large, light green canopy with several pointed leaves, positioned in the bottom left corner of the page.

PJC ref: 5810/21-02 Rev 1

This report has been prepared by
PJC Consultancy Ltd
on behalf of
Tribe Avonmouth House Ltd

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EXECUTIVE SUMMARY

PJC Consultancy has been instructed by Tribe Avonmouth House Ltd to provide an arboricultural impact assessment and arboricultural method statement to support a full application for demolition of the existing building and structures and erection of a part 2, part 7, part 14, part 16 storey plus basement mixed-use development comprising 1733sqm (GIA) of space for Class E employment use and/or community health hub and/or Class F1(a) education use and 233 purpose-built student residential rooms with associated amenity space and public realm works, car and cycle parking, and ancillary infrastructure.

This report complies with the planning policies of Southwark Council and complies with the recommendations of British Standard BS5837:2012 *Trees in relation to design, demolition and construction – Recommendations*.

The survey was carried out on Tuesday 1st June 2021. The tree constraints plan and tree survey schedule can be found at Appendix 1 and Appendix 2 respectively.

Most of the site comprises the building of No. 6 Avonmouth Street itself. There is a single tree within a raised planter within the boundaries of the site – T5. Of the off-site trees, one small tree is growing within a raised planter adjacent to the boundary of the site to the north-west (T6) and the others are growing on the north-eastern side of Avonmouth Street (T2, T3 & T4).

There are no key arboricultural features within the site. The key arboricultural features of the immediate area are the hybrid black poplar T1 (category 'B') and the London plane T2 (category 'A'). Both of these are large trees which are highly visible in the street scene and make a significant contribution to the character and appearance of the locality.

Also, the large London plane trees growing within Newington Gardens to the south-east of the site, although too far to be included in this survey, are important visually due to their large size and are key arboricultural features of the locality.

The proposed layout has been overlaid with the tree constraints plan in order to identify the impacts to the trees to inform this impact assessment and this information has formed the basis of the tree retention plan (Appendix 3) and the tree protection plan (Appendix 4).

The single on-site tree, which is a category 'C' individual, is required to be removed to enable the development. This tree is growing in a small, raised planter and is of only 5m in height and therefore its removal would have a negligible impact on the character and appearance of the locality.

The proposals include significant street tree planting which will mitigate the loss of this tree and make a positive contribution to the species and age range diversity and the canopy cover of the trees in the locality.

The proposed site layout involves construction of the building within a small section of the root protection area of off-site London plane T2. Also, the hard surfacing within the root protection area of the off-site snake-bark maple T6 is to be replaced.

Subject to the specific and generic tree protection measures outlined within the arboricultural method statement at section 3 of this report being followed I consider that the proposals represent a negligible impact to the health and longevity of the off-site trees. Also, the proposed landscaping scheme which comprises off-site street tree planting, will make a significant positive contribution to the landscape setting of the site.

1 INTRODUCTION

1.1 Instruction

- 1.1.1 PJC Consultancy has been instructed by Tribe Avonmouth House Ltd to provide an arboricultural impact assessment and arboricultural method statement to support a full application for demolition of the existing building and structures and erection of a part 2, part 7, part 14, part 16 storey plus basement mixed-use development comprising 1733sqm (GIA) of space for Class E employment use and/or community health hub and/or Class F1(a) education use and 233 purpose-built student residential rooms with associated amenity space and public realm works, car and cycle parking, and ancillary infrastructure.
- 1.1.2 This report complies with the planning policies of Southwark Council and complies with the recommendations of British Standard BS5837:2012, *Trees in relation to design, demolition and construction – Recommendations* (the British Standard).

1.2 Objectives of report

- 1.2.1 This report has been undertaken with the following objectives:
- To identify the tree removals and pruning works that will be required as a result of the proposed development and to assess the impact of the tree works.
 - To assess the potential impact the proposed construction works will have on retained trees and provide recommendations for mitigation measures to reduce the impact on the trees.
 - To provide a protection methodology for retained trees throughout the demolition and construction period, including the above ground and below ground parts of the trees as well as their rooting medium.
- 1.2.2 This report includes :
- A tree constraints plan and tree survey schedule at Appendices 1 & 2 respectively
 - An arboricultural impact assessment at section 2. A tree retention plan at Appendix 3.
 - An arboricultural method statement at section 3 and a tree protection plan at Appendix 4.

1.4 Documents and information provided

1.4.1 The following documents were used to aid the preparation of this report:

- PJC Initial Arboricultural Report Ref: 5810/21-01 Rev 1
- Stitch 21235-STCH-XX-DR-AC-0101 Proposed Ground Floor Plan
- 21235-STCH-XX-B1-DR-A-0100 Proposed Basement Plan
- 21235-STCH-XX-B2-DR-A-0109 Proposed Basement 2 Plan

1.5 Limitations of report

1.5.1 The following arboricultural impact assessment and method statement have been prepared for the proposal stated in section 1.1 and using the plans and information listed in section 1.4. The report should not be relied upon if the stated proposal or proposed design changes unless the author confirms the changes do not have a bearing on the arboricultural impacts or recommended mitigation measures.

2 ARBORICULTURAL IMPACT ASSESSMENT

2.1 Site visit

- 2.1.1 The survey was carried out on Tuesday 1st June 2021. The tree constraints plan and tree survey schedule can be found at Appendix 1 and Appendix 2 respectively.
- 2.1.2 Most of the site comprises the building of No. 6 Avonmouth Street itself. There is a single tree within a raised planter within the boundaries of the site. Of the off-site trees, one small tree is growing within a raised planter adjacent to the boundary of the site to the north-west and the others are growing on the north-eastern side of Avonmouth Street.
- 2.1.3 There are no key arboricultural features within the site. The key arboricultural features of the immediate area are the hybrid black poplar T1 (category 'B') and the London plane T2 (category 'A'). Both of these are large trees which are highly visible in the street scene and make a significant contribution to the character and appearance of the locality.
- 2.1.4 Also, the large London plane trees growing within Newington Gardens to the south-east of the site, although too far to be included in this survey, are important visually due to their large size and are key arboricultural features of the locality.

2.2 The proposals

- 2.2.1 The proposed layout has been overlaid with the tree constraints plan in order to identify the impacts to the trees to inform this impact assessment and this information has formed the basis of the tree retention plan (Appendix 3) and the tree protection plan (Appendix 4).

2.3 Tree removals

- 2.3.1 A single tree is proposed to be removed to enable the proposals– weeping hornbeam T5. This is a small tree growing in a raised landscape area c.0.5m above the level of the adjacent pavement. It has a stem diameter of 135mm and is of only 5m in height. Due to its small height and limited potential due to restricted rooting environment within the raised soft landscaping bed, it has been assessed as a category 'C' individual.
- 2.3.2 The detailed soft landscape proposals for the proposed development are to be confirmed at the date of this report but will include street tree planting using root cells and could readily be secured through the planning process.

2.4 Pruning

- 2.4.1 No pruning is proposed to enable the development.
- 2.4.2 Any requirements for pruning that cannot be predicted at this stage in the design process (e.g. for contractor compound or movement of large or specialist plant machinery) shall be discussed at the pre-commencement meeting with the project arboriculturist and agreed with the local authority arboricultural officer prior to any works being undertaken.

2.5 Levels and resurfacing within the RPA of T6

- 2.5.1 There are no proposed changes to levels within the RPA of off-site tree T6. The existing surfacing within this tree's RPA is to be replaced, re-using the existing

sub-base, so that no excavation into the underlying soil will take place. This is a precautionary measure because T6 is growing in a raised planter so the extent of rooting likely to be found outside of this structure is likely to be much less than that of a tree growing within a level landscaped bed.

- 2.5.2 The methodology for replacing the surfacing within the RPA of T6 is provided at section 3 of this report.

2.6 Basement of proposed building within the RPA of T2

- 2.6.1 The proposed north-eastern extent of the building including its basement is within the RPA of the off-site London plane T2. Although the actual incursion amounts to only 3%, due to the limitations of space in this area, it would make sense to account for additional excavation up to the site boundary amounting to a further 2.5%. Therefore, the overall the incursion into T2's RPA is likely to be 5.5%.
- 2.6.2 London plane T2 is a large tree which is in good physiological and structural condition. The proposed incursion is on one side of its trunk and it is proposed that the excavation within this area will be carried out sensitively using hand tools and under close arboricultural supervision (see the method statement at section 3 of this report).
- 2.6.3 Subject to the recommendations within the method statement being adhered to I consider that the proposed excavation would have a negligible impact on the health and longevity of the tree.

2.7 Services

- 2.7.1 At the current time no details regarding any service routes required are available.
- 2.7.2 At the detailed design stage the exact details of the routing of services for the proposed development will be available. Prior to commencement, these shall be reviewed by the project arboriculturist. The arboriculturist shall then confirm either that no works will be carried out within root protection areas or provide details of the methodology required to ensure the works are carried out in accordance with best practice and liaise with the Council's tree officer for approval of the proposals.

2.8 Landscaping in proximity to trees

- 2.8.1 The detailed specification for soft landscaping is to be confirmed on the date of this report, however it is anticipated that there will be street planting using tree cells along Avonmouth Street. As this is outside of the redline of the development this would need to be secured through a planning agreement.

2.9 Conclusions

- 2.9.1 A single category 'C' tree is required to be removed to enable the development. This tree is growing in a small raised planter and is of only 5m in height and therefore its removal would have a negligible impact on the character and appearance of the locality.
- 2.9.2 The proposals include significant street tree planting which will mitigate the loss of this tree and make a positive contribution to the species and age range diversity and the canopy cover of the trees in the locality.

- 2.9.3 The proposed site layout involves construction of the building within a small section of the root protection area of off-site London plane T2. Also, the hard surfacing within the root protection area of off-site snake-bark maple T6 is to be replaced.
- 2.9.4 Subject to the specific and generic tree protection measures outlined within the arboricultural method statement at section 3 of this report being followed I consider that the proposals represent a negligible impact to the health and longevity of the off-site trees. Also, the proposed landscaping scheme which comprises off-site street tree planting, will make a significant positive contribution to the landscape setting of the site.

3 ARBORICULTURAL METHOD STATEMENT

3.1 General requirements

- 3.1.1 The arboricultural method statement and Tree Protection Plan shall remain on site for the duration of demolition, construction and landscaping works and be available to site operatives at all times. All operatives at the site shall be briefed about tree related factors as part of their site induction.
- 3.1.2 Any variation from the methodology described in this method statement shall be discussed with the supervising arboriculturist and agreed with the local authority arboricultural officer.

3.2 Phasing of works

- 3.2.1 To ensure trees are protected throughout the development, the proposed development shall occur in the following order:

Table 1: Phasing of works

Works Order	Operation	Notes
1	Initial tree works.	The tree works contractor shall remove T5.
2	Installation of tree protection barriers and retention of existing surfacing to act as ground protection.	Tree protection fencing shall be installed in the locations shown on the Tree Protection Plan and to the specification described in this method statement. The existing hard surfacing over the RPAs of T2 & T6 will initially be retained to act as ground protection; fencing is still required around T2 to protect its crown.
3	Pre-commencement meeting.	The project arboriculturist shall attend a site meeting with the site manager. The local authority arboricultural officer shall be notified so they may also attend. The above pre-start arboricultural works shall be signed off by the project arboriculturist during the meeting. The meeting shall occur before any plant activity, ground works or demolition/construction activities begin.
4	Demolition phase.	The tree protection barriers shall be maintained, and the construction exclusion zones observed throughout the demolition phase. Removal of the existing hard surfacing and excavation within the RPA of T2 will occur sensitively as detailed in the method statement.
5	Construction phase.	The tree protection barriers shall be maintained, and the construction exclusion zones observed throughout the construction phase. Replacement of hard surfacing within the RPA of T6 will occur sensitively as detailed in the method statement at the end of the construction phase.

Works Order	Operation	Notes
6	Soft landscaping phase.	The tree protection barriers shall be dismantled when external construction and hard landscape operations have been completed and plant machinery or excess construction materials have been removed from site. Soft landscape operations shall occur sensitively as described in this method statement.

3.3 Initial tree works

- 3.3.1 Removal of T5 will be carried out as the first stage of development. Any requirements for access facilitation pruning which have not been anticipated on the date of this report shall be discussed at the pre-commencement meeting with the project arboriculturist and be communicated to the local authority arboricultural officer.
- 3.3.2 Trees should be checked for protected species before works are undertaken. It is against the law to disturb bats or their roosts under the Conservation of Habitat and Species Regulations. Nesting birds are protected by the Wildlife and Countryside Act. If protected species are discovered, Natural England should be contacted for advice.
- 3.3.3 The tree works contractors should carry out all tree works to BS3998: 2010 '*Tree works – recommendations*' as modified by research that is more recent. They should also carry relevant, adequate and up to date insurance.
- 3.3.4 It is suggested that an Arboricultural Association approved contractor carry out all tree works. Approved contractors are expected to work to industry best standards. The Arboricultural Association website (www.trees.org.uk) contains contact details and information on engaging a suitable contractor.

3.4 Tree protection barriers

- 3.4.1 The root protection areas of retained trees must be left free from disturbance, and protected from contamination or compaction during the proposed works. Protection shall comprise a combination of tree protection fencing and existing hard surfacing being retained to act as ground protection.
- 3.4.2 Tree protection fencing shall be installed in the locations shown on the tree protection plan.
- 3.4.3 The specification for tree protection fencing shall either be metal welded mesh panels (e.g. Heras panels), in concrete or rubber feet or standard site hoarding.
- 3.4.4 For the metal welded mesh panel option, the panels shall be supported by metal stabiliser struts mounted on either a base plate secured by ground pins, or in a block tray (refer to Appendix 5). Any variation from this specification for tree protection fencing shall be discussed with the project arboriculturist and agreed in writing with the local authority arboricultural officer.
- 3.4.5 Signs shall be affixed to the fencing as shown in Appendix 6 to explain its purpose. The signs shall be affixed at a reasonable size and frequency to ensure they are easily visible to operatives at the site.

- 3.4.6 Within the RPAs of T2 and T6 the existing hard surfacing will be used as ground protection. If this is removed during the demolition phase then temporary ground protection will need to be used.
- 3.4.7 The areas protected by tree protection fencing (highlighted yellow on the tree protection plan) shall be referred to as the construction exclusion zone. In this case, this area is off-site and outside of the ownership boundary, however, is shown as a construction exclusion zone to prevent incidental use. The following restrictions shall apply within the construction exclusion zone:
- No storage of construction materials shall occur.
 - No storage of building spoil or construction debris (including short-term temporary stockpiling) shall occur.
 - No harmful chemicals shall be stored or handled.
 - No fires shall be permitted.
 - No mechanical excavation including regrading of levels shall occur.
 - There shall be no change in ground level unless undertaken under the supervision of the project arboriculturist.
 - No construction activities including installation of new permanent hard standing shall be undertaken unless otherwise specified in this method statement.

3.5 Storage and handling of harmful chemicals

- 3.5.1 Provision must be taken to prevent the storage and handling of harmful chemicals within the root protection areas of retained trees. Harmful chemicals include fuels, oils, bitumen, builder's sand (which has a high salt content) and cement. Provision shall also be made to prevent the storage and handling of harmful chemicals in areas proposed for further planting if the existing soil is intended to be retained.
- 3.5.2 Cement mixing shall always occur outside of the construction exclusion zone. If cement mixing is to occur close to the construction exclusion zone, or there is the potential for cement washings to leech into a root protection area, adequate, bunded ground protection measures must be used. This could comprise impermeable plastic sheeting under wooden boards (to prevent tears) surrounded by a raised lip.
- 3.5.3 All other chemicals that are harmful to trees must be stowed in suitable containers and stored away from the construction exclusion zone unless adequate, bunded ground protection measures are implemented to prevent spillages leeching into root protection areas.

3.6 Contractor facilities

- 3.6.1 A suitable location for site cabins, contractor parking and site facilities for operatives shall be agreed with the project arboriculturist during the pre-commencement meeting. These facilities must be located outside the root protection areas of all retained trees unless on adequate ground protection measures that have been signed off with the project arboriculturist (potentially including existing hard standing). Provision must be taken to prevent exhaust fumes or hot air from generators or kitchen facilities from damaging foliage within the crowns of retained trees.

3.7 Excavation within the RPA of London plane T2

- 3.7.1 The new basement encroaches into the root protection area of London plane T2 – this is shown as dark brown hatching on the Tree Protection Plan. Removal of the surfacing and supervised excavation within the small section of the RPA of T2 (shown as dark brown hatching on the Tree Protection Plan) will occur during the demolition phase.
- 3.7.2 Removal of the existing hard surfacing will be carried out as per para 3.8 below.
- 3.7.3 Excavation in this area shall occur by hand to a depth of 600mm (unless significant roots are revealed near the base of the excavation) under arboricultural supervision. Roots revealed shall be cleanly pruned using secateurs to leave the smallest feasible wound. Small clean pruning wounds require less energy from the tree to heal and reduce the chance of infection by tree pathogens. Roots over 25mm diameter must not be pruned unless the project arboriculturist has first been consulted to assess the potential impact on the tree.

3.8 Retained hard surfacing over root protection areas

- 3.8.1 The existing tarmac surfacing within the root protection areas of T2 and T6 shall provide ground protection.

3.9 Replacement hard surfacing within the RPA of T6

- 3.9.1 The re-surfacing within the RPA of T6 (shown as red cross hatching on the Tree Protection Plan) shall occur at the end of the construction phase.
- 3.9.2 Replacement of hard surfacing within the RPA of T6 will be carried out as follows:–
- 3.9.3 The existing wearing course shall be broken up using controlled hand tools (e.g. pneumatic breaker) and removed from the root protection area by hand. If it is deemed impractical or unsafe to achieve this using hand tools only, plant machinery operated under the supervision of the project arboriculturist may be used instead. The machine must be fitted with a grading bucket (without teeth) and be operated from outside the root protection area unless on a retained area of hard standing. If roots are revealed during this operation, use of the machine must immediately cease and the operation shall be continued by hand.
- 3.9.4 The existing sub-base shall be reused (augmented as necessary) for the new surface. If it is deemed necessary to remove any of the sub-base to enable the correct levels for the finished surface (these must first be signed off by the project arboriculturist), removal of the sub-base must occur carefully in shallow increments following the same methodology required for removing the wearing course.

3.10 Services

- 3.10.1 The routing of new services for the development is not available on the date of this report. These must be signed off by the project arboriculturist before implementation. Wherever possible, the services must completely avoid the root protection areas of retained trees. Where this is not feasible, the arboriculturist shall provide an arboricultural method statement (to be signed off by the local authority arboricultural officer before implementation) detailing any sympathetic methodologies that are required to minimise damage to tree roots (as described

in NJUG4 '*Guidelines for the planning, installation and maintenance of utilities in proximity to trees*' and BS5837: 2012).

3.11 Pre-commencement arboricultural consultancy input

3.11.1 Prior to the commencement of works, arboricultural input will be required for the following aspects of development:

- 1) The construction management plan.
- 2) The routing of new services.
- 3) Final levels based on the detailed design.

3.11.2 This arboricultural method statement and tree protection plan shall be updated to accommodate these aspects of the project and the revised information submitted to the local authority tree officer for approval.

3.12 Pre-commencement meeting

3.12.1 A pre-commencement meeting shall be held between the contractors and the project arboriculturist. The local authority arboricultural officer shall be given reasonable notice of the pre-commencement meeting so they may also attend. The purpose of the pre-commencement meeting shall be:

1. To clarify the tree protection methodology with the site manager.
2. To discuss the chronology and phasing of the project with the site manager.
3. To sign off that the pre-commencement tree work has been completed as specified in the arboricultural impact assessment, and to discuss any requirements for any further pruning which had not been anticipated prior to the meeting.
4. To sign off that the tree protection fencing has been installed in the correct locations and to the agreed specification. To agree revised locations subject to the phasing of the development.
5. To agree with the local authority arboricultural officer the type and timings of arboricultural monitoring necessary.

3.12.2 Following this meeting, if the local authority arboricultural officer has not been able to attend, an email outlining the actions discussed will be sent to the tree officer for approval. If necessary, a revised tree protection plan and method statement will be issued for approval.

3.13 Arboricultural supervision

3.13.1 The project arboriculturist shall supervise the excavation within the RPA of T2, shown as dark brown hatching on the Tree Protection Plan.

3.14 Arboricultural monitoring

3.14.1 The site manager shall provide a monthly update to the project arboriculturist including photographic evidence that the tree protection barriers are intact and that the construction exclusion zones have been observed.

3.14.2 In addition to the above, a system and programme of onsite monitoring by the appointed arboricultural consultant shall be agreed with the Local Authority

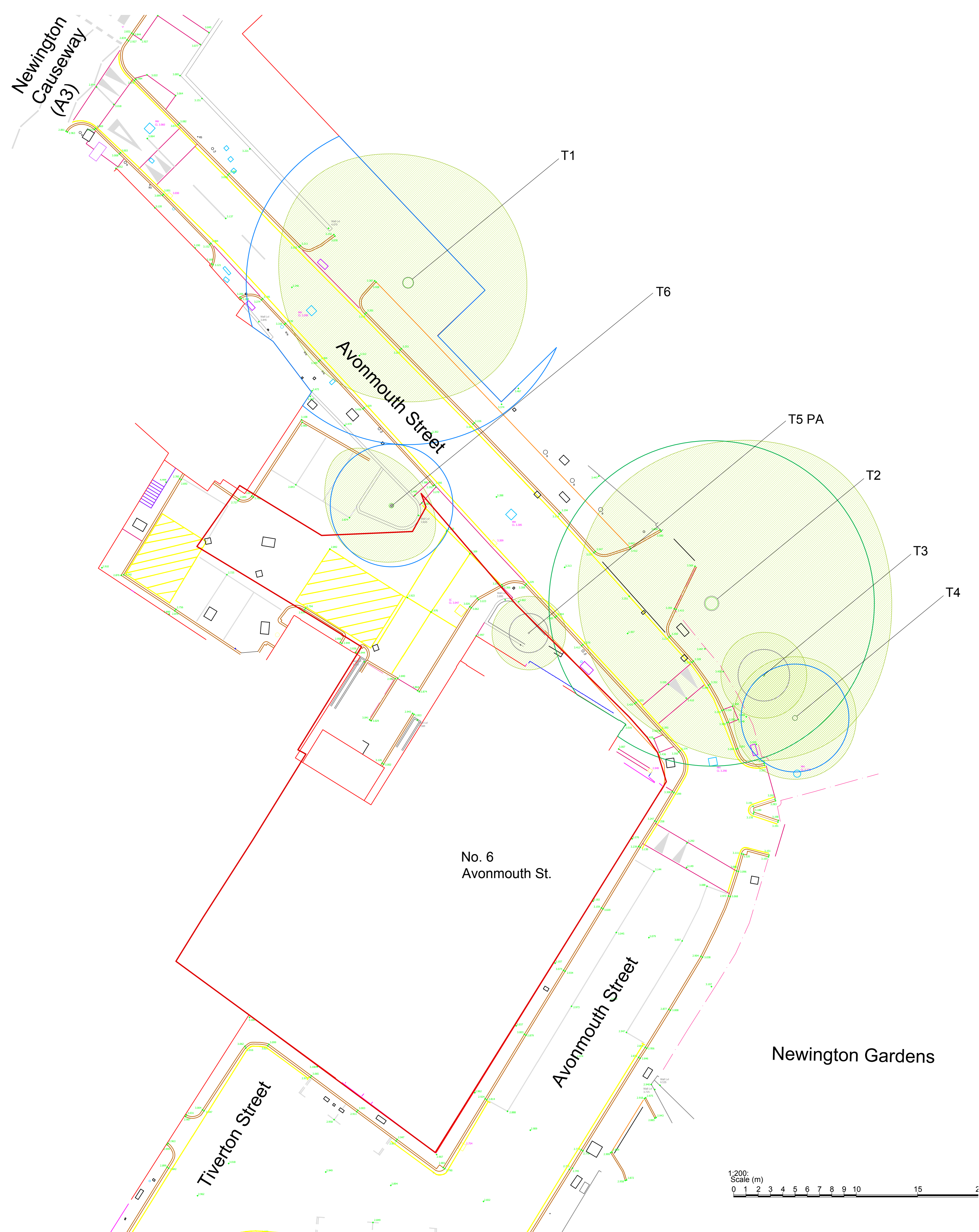
Arboricultural Officer. The form and frequency of site monitoring shall be agreed at the pre-commencement meeting

3.15 Process if an unforeseen issue relating to trees arises

- 3.15.1 If significant root growth is disturbed during construction activities that are not within the scope of this report, the work shall cease until the project arboriculturist has been consulted. Roots greater than 25mm in diameter or dense/matted fibrous roots shall be considered significant root growth. It should be remembered that whilst root protection areas are part of industry best practice, tree root growth is influenced by a number of factors and may not conform to expected ideals.
- 3.15.2 If at any time during the construction process, damage is inadvertently caused to a tree, the project arboriculturist shall be notified to assess the likely implications and to prescribe potential remedial measures to be implemented. Damage can be in the form of chemical or fuel spillage, mechanical damage to either the above ground parts of the tree or the roots, fire or any other unforeseen circumstance.
- 3.15.3 The supervising arboriculturist shall be appointed by the contractor. It will be necessary for the arboriculturist to report to the local planning authority on the outcome of the site visits as well as any unforeseen tree related issues.

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Appendix 2: Tree Survey Schedule







* Tree categorised in accordance with BS 5837:2012
'Trees in relation to design, demolition and construction - Recommendations'.

Appendix 2, (Tree Survey Schedule) contained within the arboricultural report ref. PJC/5810/21-01 contains further information for each tree.

This drawing should be viewed in colour.

Tree numbers suffixed with PA indicate the tree position is approximate.

Key:

-  Root protection area for category A* tree
-  Root protection area for category B* tree
-  Root protection area for category C* tree
-  Tree canopy

Drawing no: PJC/5810/21/A Rev: - Sheet number: 1 of 1

Client and site:
Tribe Avonmouth House Ltd

6 Avonmouth Street
London SE1

Drawing title: Tree Constraints Plan

Date drawn: 05/06/2021

Scale: 1:200 at A2

Drawn by: ASa

Checked by: PD

Appendix 3: Tree Retention Plan

Site: 6 Avonmouth Street, London SE1

Survey date: 1st June 2021

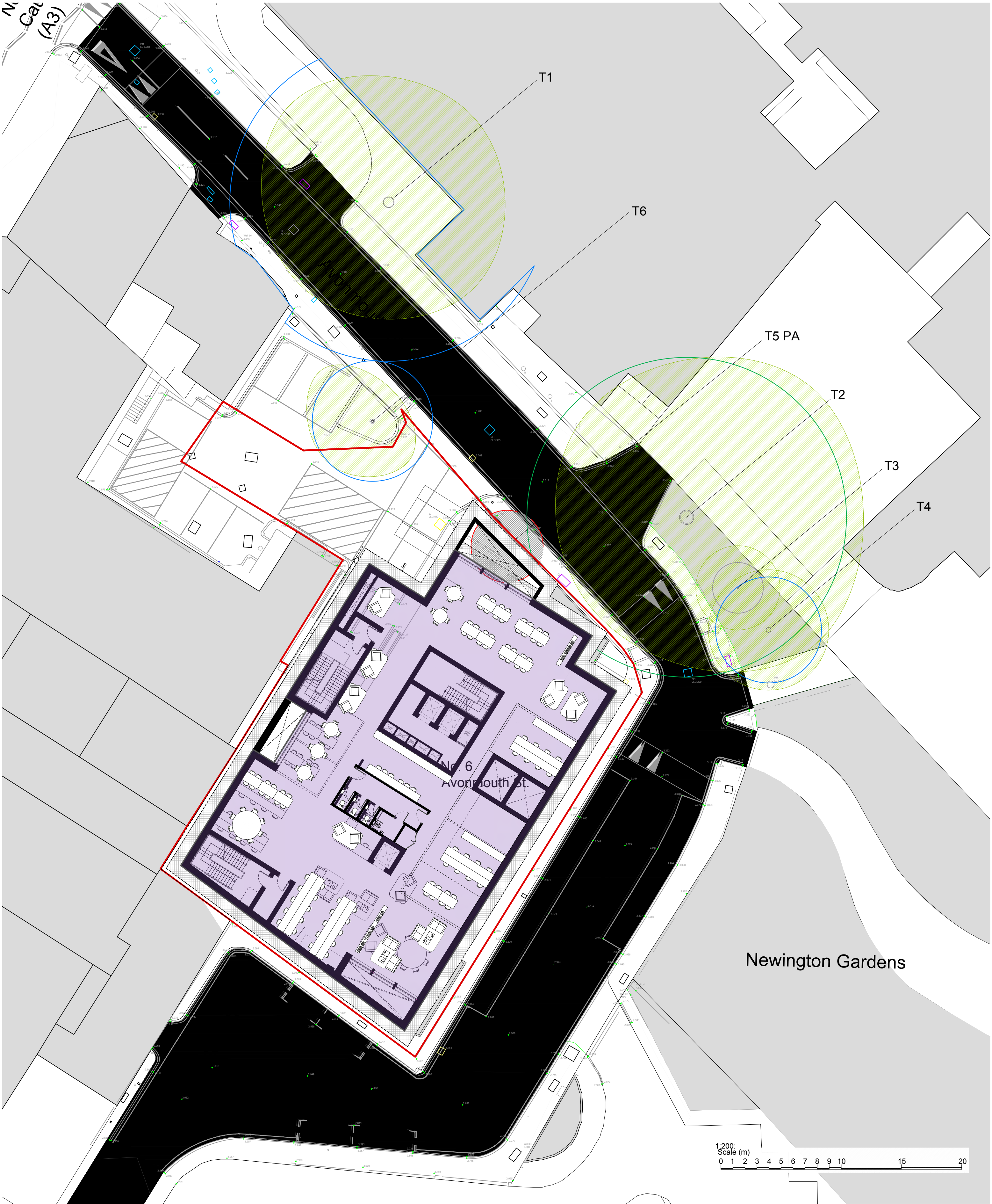
Surveyor: Abi St.Aubyn

Tree Survey Schedule



Tree ref.	Species	Height (m)	Stem diameter (mm)	Branch spread (m)	Crown clearance (m)	Age class	Physiological condition	Structural condition	Comments & Preliminary Management Recommendations	Category grading	Root Protection Area (m ²)	Root Protection Radius (m)
T1	hybrid black poplar Populus x canadensis	29	855	NW: 11.5 NE: 10 SE: 10 SW: 10	Crown: 6 Branch: 8	mature	good	fair	Off-site; large high crown; highly visible in the street scene; growing in bricked pavers and buttresses have caused extensive distortion; relatively short lived species.	B2	330.8	10.3
T2	London plane Platanus x acerifolia	28	1100	NW: 12 NE: 15 SE: 15 SW: 11	Crown: 3 Branch: 3S	mature	good	good	Off-site; growing in public amenity space adjacent to the road; good example of the species; prominent tree in the street scene.	A1+2	547.5	13.2
T3	holly Ilex aquifolium	9	175	3.5	Crown: 5.5 Branch: 5.5	semi mature	fair	fair	Off-site; crown extensively crown lifted leaving a small high crown; suppressed by London plane T2.	C1+2	13.9	2.1
T4	holly Ilex aquifolium	13	365	5	Crown: 5.5 Branch: 3.5	mature	fair	fair	Off-site; high crown suppressed by London plane T2.	B1	60.3	4.4
T5	weeping hornbeam Carpinus betulus 'Pendula'	5	135	3	Crown: 1.5 Branch: 2	semi mature	fair	fair	Small tree; growing in a container c.0.5m above ground level.	C2	8.2	1.6
T6	grey snake-bark maple Acer rufrinerve	7	270, 260, 180	NW: 6 NE: 3 SE: 4.5 SW: 5	Crown: 1.5 Branch: 1	mature	good	fair	Off-site; small ornamental tree; triple stemmed; growing in brick planters c.0.5m above ground level.	B1	78.2	5.0

Appendix 4: Tree Protection Plan








* Tree categorised in accordance with BS 5837:2012
'Trees in relation to design, demolition and construction - Recommendations'.

Appendix 2, (Tree Survey Schedule) contained within the arboricultural report ref. PJC/5810/21-02 contains further information for each tree.

This drawing should be viewed in colour.

Tree numbers suffixed with PA indicate the tree position is approximate.

- Key:**
-  Root protection area for category A* tree to be retained
 -  Root protection area for category B* tree to be retained
 -  Root protection area for category C* tree to be retained
 -  Canopy of tree to be retained
 -  Canopy of category C* tree to be removed

Drawing no: PJC/5810/21/B **Rev:** 1 **Sheet number:** 1 of 1

Client and site:
Tribe Avonmouth House Ltd

6 Avonmouth Street
London SE1

Drawing title: Tree Retention Plan

Date drawn: 20/10/2021

Scale: 1:200 @ A2

Drawn by: ASTA **Checked by:** PD

Appendix 1: Tree Constraints Plan



Appendix 2. (Tree Survey Schedule) contained within the arboricultural report ref. PJC/5810/21-02 contains further information for each tree.

This drawing should be viewed in colour.

Tree numbers suffixed with PA indicate the tree position is approximate.

Key:

- Root protection area for tree to be retained
- Canopy of tree to be retained
- Tree protection fencing
- Manual excavation under arboricultural supervision
- Proposed replacement hard surfacing to re-use existing sub-base
- Construction exclusion zone

Drawing no: PJC/5810/21/C Rev: 1 Sheet number: 1 of 1

Client and site:
Tribe Avonmouth House Ltd

6 Avonmouth Street
London SE1

Drawing title: Tree Protection Plan

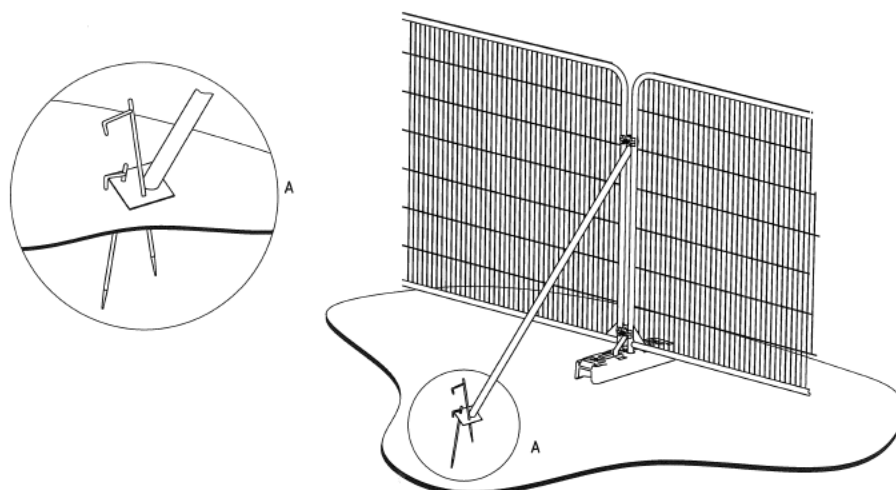
Date drawn: 19/10/2021

Scale: 1:200 @ A2

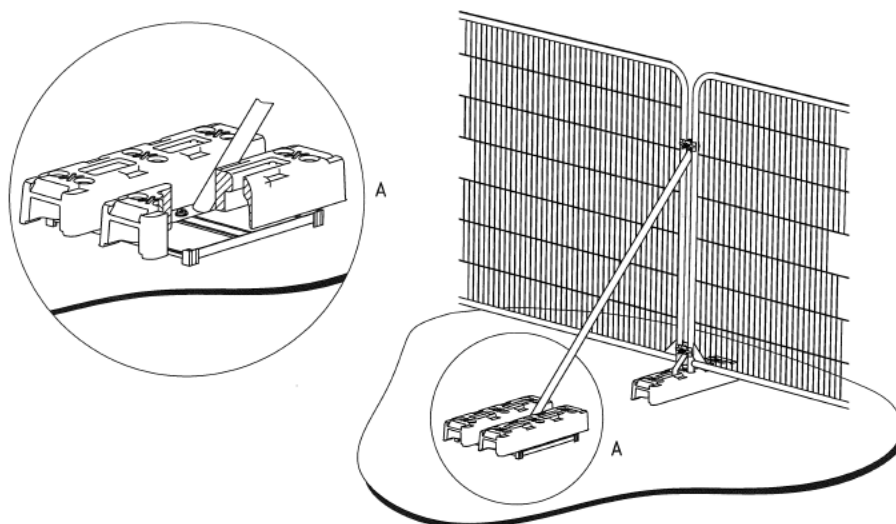
Drawn by: ASTA

Checked by: PD

Appendix 5: Tree Protection Fencing Specification



a) Stabilizer strut with base plate secured with ground pins



b) Stabilizer strut mounted on block tray

Appendix 6: Example Protective Fencing Sign

