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Arboriculture Impact Assessment \&
Method Statement
October 2021

# Arboricultural impact assessment, method statement and tree protection plan 

Land at Dugard Way Lambeth
SE11 4TH
$22^{\text {nd }}$ October 2021

# This report has been prepared by PJC Consultancy Ltd on behalf of Anthology Kennington Stage Ltd 

| Prepared |  |
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## EXECUTIVE SUMMARY

PJC Consultancy has been instructed by Anthology Kennington Stage Ltd to provide an arboricultural impact assessment and arboricultural method statement to support a planning application for redevelopment of the former Woodlands and Masters site retaining the Masters House and associated ancillary buildings; demolition of the former care home; the erection of a central residential block raging in height from five to 14 stories, and peripheral development of part three; part four storeys to provide 155 residential units, together with servicing, disabled parking, cycle parking, landscaping, new public realm, a new vehicular and pedestrian access, and associated works.

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

The tree survey was carried out on $15^{\text {th }}$ October 2021. The tree constraints plan and tree survey schedule can be found at Appendix 1 and Appendix 2 respectively.

Lambeth Council Planning Department was contacted by e-mail to establish restrictions to tree works at the site. It was reported on $4^{\text {th }}$ September 2018 that no tree preservation order (TPO) protects the trees surveyed for this report. However, the Renfrew Road Conservation Area does encroach Dugard Way and protects trees T1-T9, and T67-T68.

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 and protection plan at Appendix 3.

A total of 60 individual trees and two tree groups will be removed to facilitate the proposed development. Of these, 24 trees are assessed to be category B, 33 trees and two groups are assessed to be category C and two trees are assessed to be category U . Four of the trees to be removed are situated within the Renfrew Road Conservation Area. An extensive replacement planting scheme has been proposed to provide an attractive setting for the new development.

No construction or landscaping works are proposed within the root protection areas of the trees proposed for retention.

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## 1 INTRODUCTION

### 1.1 Instruction

1.1.1 PJC Consultancy has been instructed by Anthology Kennington Stage Ltd to provide an arboricultural impact assessment and arboricultural method statement to support a planning application for redevelopment of the former Woodlands and Masters site retaining the Masters House and associated ancillary buildings; demolition of the former care home; the erection of a central residential block raging in height from five to 14 stories, and peripheral development of part three; part four storeys to provide 155 residential units, together with servicing, disabled parking, cycle parking, landscaping, new public realm, a new vehicular and pedestrian access, and associated works.
1.1.2 This report complies with the planning policies of Lambeth 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 at Appendix 1
- A tree survey schedule at Appendix 2.
- A tree retention and protection plan at Appendix 3.
- An arboricultural impact assessment at section 2.
- An arboricultural method statement at section 3 .


### 1.3 Documents and information provided

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

- PTA Proposed Drainage Strategy Ref: 9678-PTA-ZZ-XX-DR-C-8100
- Grid Architects Site Plan Ref: LSK-GRID-ZZ-ZZ-DR-A-10000 Rev B
- Fabrik Site Location Plan Ref: D3055-FAB-00-XX-DR-L-0001 P02
- Fabrik General Arrangement Plan Ref: D3055-FAB-00-XX-DR-L-1001
- Fabrik General Arrangement Plan Ref: D3055-FAB-00-XX-DR-L-1002 P02
- Fabrik Indicative Levels Plan Ref: D3055-FAB-00-XX-DR-L-4022 P02

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### 1.4 Limitations of report

1.4.1 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 1.3. 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.

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## 2 ARBORICULTURAL IMPACT ASSESSMENT

### 2.1 Site visit

2.1.1 The tree survey was originally carried out on $28^{\text {th }}$ August 2018 for a previous planning application at the site. The survey was updated on $15^{\text {th }}$ October 2021 to ensure the tree survey data is still current and up to date. The tree constraints plan and tree survey schedule can be found at Appendix 1 and Appendix 2 respectively.

### 2.2 Statutory tree protection

2.2.1 Lambeth Council Planning Department was contacted by e-mail to establish restrictions to tree works at the site. It was reported on $4^{\text {th }}$ September 2018 that no tree preservation order (TPO) protects the trees surveyed for this report. However, the Renfrew Road Conservation Area does encroach Dugard Way and protects trees T1-T9, and T67-T68.
2.2.2 However, a TPO can be provided to a tree at any time, therefore any persons proposing to undertake tree works should still check the status of the trees with the local planning authority prior to undertaking any tree works. Failure to adhere to the TPO legislation could lead to prosecution and if convicted a fine and criminal record. The crown of a tree and its roots are protected. The person carrying out the works, the person instructing the works and the Directors of that company are potentially liable. Failure to check whether tree/s are the subject of TPO/s could not be used as mitigation.

### 2.3 Proposals

2.3.1 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 and protection plan at Appendix 3.

### 2.4 Tree removals

2.4.1 Trees to be removed for the proposed development are shown with dashed outlines on the tree retention plan at Appendix 3 and are shaded to indicate their BS5837 tree category. A summary is listed at Table 1 below.

Table 1: Tree removals summary

| Tree category | Trees to be felled | Total |
| :---: | :---: | :---: |
| A |  | 0 |
| B | ```T10, T11 T12, T13, T14, T15, T16, T17, T18, T19, T21, T36, T37, T42, T43, T46, T51, T55, T56, T57, T58, T59, T60, T61``` | 24 individual trees |
| C | T7, T8, T20, T22, T23, T24, T25, T26, T27, T28, T29, T30, T31, T32, T33, T34, T35, T38, T39, T40, T41, G44, T47, T48, T49, T50, T52, T53, T54, T62, G63, T64, T65, T66, T67 | 33 individual trees and two groups |
| U | T9, T45 | 2 individual trees |

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### 2.5 Mitigation planting

2.5.1 Almost all the trees surveyed for this report require removal to facilitate the broad proposals at the site, however extensive replacement tree planting is proposed as is indicated on the landscape general arrangement plans to provide an attractive setting for the development. The detailed planting specification could readily be secured by planning condition.

### 2.6 Access facilitation pruning

2.6.1 Based on the information currently available, it is not anticipated that any access facilitation pruning will be required to enable the proposals.
2.6.2 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 agreed with the local authority arboricultural officer. No works may be carried out on protected trees without prior permission from the local authority. All tree works are to be carried out in accordance with BS3998: 2010 Tree works - Recommendations.

### 2.7 Levels

2.7.1 No level changes are proposed within the root protection areas of the retained trees.

### 2.8 Building footings in proximity to trees

2.8.1 All proposed buildings will be located outside the root protection areas of retained trees, therefore use of specialist foundations for root protection is not deemed necessary.
2.8.2 NHBC guidelines on foundation depth in proximity to trees should be followed. This will be determined by a structural engineer and should be guided by information in this report, the detailed planting specification and appropriate sampling to determine soil profiles at the site.

### 2.9 Hard standing in proximity to trees

2.9.1 No new hard standing will be constructed within the root protection areas of retained trees. Some of the existing hard standing to the west of the cinema museum is to be replaced, however this will occur outside the root protection areas of the retained trees, and the existing surfacing on Dugard Way within the root protection areas of $\mathrm{T} 1-\mathrm{T} 5$ and T 68 is to be retained.

### 2.10 Services

2.10.1 The proposed drainage layout requires no works to occur within the root protection areas of retained trees.
2.10.2 Details of the routing of utility services for the proposed development are not currently available. All underground services should be located outside the root protection areas of retained trees and above ground services should be located outside the anticipated mature crown spreads. Sympathetic methodology to enable the installation of services within root protection areas (in certain instances) is available, however there will always be a potential arboricultural impact and arboricultural advice must be sought regarding the suitability of these methods

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before they are relied upon. If it is achievable, root protection areas should always be completely avoided.

### 2.11 Post development tree pressures and management

2.11.1 The proposed development has been assessed to determine the likely impact of tree shade, and also the likely future pressure to prune or remove additional trees.
2.11.2 The retained trees at the site are located away from all the proposed residential buildings and will have no direct or indirect impact in terms of shade or space. The current maintenance requirements for retained trees will not change as a result of the proposed development.

### 2.12 Conclusions

2.12.1 24 trees assessed to be category B, 33 trees and two groups assessed to be category $C$ and two trees assessed to be category $U$ will require removal to facilitate the proposals. The number of tree removals is the result of the proliferation of trees within the limited confines of the site. Despite the number of trees being removed, the majority are of a young to early mature age class and not of notable quality or value. A landscaping scheme has been provided that includes extensive tree planting that has been designed specifically for the development to make a long term contribution to the local treescape.
2.12.2 The trees that are proposed for retention will be unaffected by the proposed development subject to adherence to the instructions in the arboricultural method statement.

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## 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 Initial tree works

3.2.1 The tree removals specified in the arboricultural impact assessment shall be carried out as the first stage of development.
3.2.2 Any requirements for access facilitation pruning which have not been anticipated on the date of this report shall be agreed with the local authority arboricultural officer. All of the retained trees are located within the Renfrew Road Conservation Area.
3.2.3 No bonfires shall be lit within the site to dispose of arisings from the initial tree works.
3.2.4 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.
3.2.5 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.
3.2.6 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.

### 3.3 Construction exclusion zones

3.3.1 In order to protect the retained trees during the demolition and construction period, the area hatched yellow on the tree retention and protection plan shall be designated a construction exclusion zone. Within this area, the following restrictions shall apply:

- No vehicular access shall be permitted.
- Regular pedestrian access shall be restricted unless on suitable ground protection measures agreed with the project arboriculturist.
- 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.

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- 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.


### 3.4 Storage and handling of harmful chemicals

3.4.1 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.
3.4.2 Cement mixing shall always occur outside 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.
3.4.3 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.

### 3.5 Contractor facilities

3.5.1 A suitable location for site cabins, contractor parking and site facilities for operatives shall be agreed with the project arboriculturist (arboricultural input into the construction management plan is recommended). 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. If the contractor compound is to be located offsite, additional tree protection measures and a further tree survey may be required.

### 3.6 Pre-commencement arboricultural consultancy input

3.6.1 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 utility services.
3.6.2 If necessary, 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.

### 3.7 Arboricultural monitoring

3.7.1 The site manager shall provide a monthly update to the project arboriculturist including photographic evidence that the construction exclusion zones have been observed and that the retained trees have not been damaged.

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### 3.8 Process if an unforeseen issue relating to trees arises

3.8.1 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 25 mm 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.
3.8.2 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.
3.8.3 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. \& Landscape Consultancy

## Contact details

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## Appendix 1: Tree Constraints Plan



Drawing no: PJC/5926/21/A Rev: - Sheet number: 1 of 2

## lient and site <br> site:

Lambeth
Drawing title: Tree Constraints Plan

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* PJC



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nthology Kennington Stage Ltd
Land at Dugard Way
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Drawing title: Tree Constraints Plan

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## Appendix 2: Tree Survey Schedule







| Site: <br> Survey date: <br> Surveyor: |  | Dugard Way <br> 28/08/2018 (updated 15/10/2021) <br> Peter Davies |  |  |  | Tree Survey Schedule |  |  |  |  |  |  | nsultancy |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Tree ref. | Species | Height <br> (m) | Stem diameter (mm) | Branch spread (m) | Crown clearance (m) | Age class | Physiological condition | Structural condition | Comments | Management recommendation | Category grading | Root Protection Area ( $\mathrm{m}^{2}$ ) | Root <br> Protection <br> Radius (m) |
| T31 | Judas tree (Cercis siliquastrum) | 6 | 90 | N: 1 <br> E: 1 <br> S: 1 <br> W: 2 | Crown: <br> 3 west <br> Branch: <br> 3 average | Young | Fair | Fair | Suppressed form. Out competed by surrounding trees. | Fell and remove stump. | C1 | 3.7 | 1.1 |
| T32 | Judas tree (Cercis siliquastrum) | 9 | 150 | $\begin{array}{ll} \mathrm{N}: & 2 \\ \mathrm{E}: & 1 \\ \mathrm{~S}: & 2 \\ \mathrm{~W}: & 3 \end{array}$ | Crown: <br> 4 west <br> Branch: <br> 3 south | Semi mature | Fair | Fair | Suppressed form. Previously crown lifted. Lateral limbs conflict with side of adjacent building and overhang roof. | Fell and remove stump. | C1 | 10.2 | 1.8 <br> (amended on Tree Constraints Plan) |
| T33 | Himalayan birch (Betula utilis 'Jacquemontii') | 8 | 120 | N: 2 <br> E: 1 <br> S: 2 <br> W: 2 | Crown: <br> 2 north <br> Branch: <br> 3 south | Semi mature | Good | Fair | Crown lifted over footpath. Will require cyclical pruning in the future to avoid conflict with adjacent building. | Fell and remove stump. | C1 | 6.5 | 1.4 |
| T34 | Himalayan birch <br> (Betula utilis 'Jacquemontii') | 9 | 130 | $\begin{array}{cc} \mathrm{N}: & 3 \\ \mathrm{E}: & 1 \\ \mathrm{~S}: & 3 \\ \mathrm{~W}: & 2 \end{array}$ | Crown: <br> 2 north <br> Branch: <br> 3 west | Semi mature | Good | Good | Slightly suppressed by T35. No major visible defects. Will require cyclical pruning to avoid conflict with adjacent building. | Fell and remove stump. | C1 | 7.6 | 1.6 |
| T35 | Himalayan birch (Betula utilis 'Jacquemontii') | 9 | 130 | $\begin{array}{cc} \mathrm{N}: & 2 \\ \mathrm{E}: & 3 \\ \mathrm{~S}: & 3 \\ \mathrm{~W}: & 2 \end{array}$ | Crown: <br> 2 east <br> Branch: <br> 2 south | Semi mature | Good | Fair | Suppressed form bias east. Crown overhangs roof to the south. | Fell and remove stump. | C1 | 7.6 | 1.6 |
| T36 | Norway maple <br> (Acer platanoides) | 12 | 360 | N: 1 <br> E: 3 <br> S: 3 <br> W: 2 | Crown: <br> 2 average <br> Branch: <br> 2 south | Mature | Good | Fair | Crown previously heavily reduced, particularly over third party garden. Profuse epicormic regrowth. | Fell and remove stump. | B2 | 58.6 | 4.3 |



| Site: <br> Survey date: <br> Surveyor: |  | Dugard Way <br> 28/08/2018 (updated 15/10/2021) <br> Peter Davies |  |  |  | Tree Survey Schedule |  |  |  |  |  |  | nsultancy |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Tree ref. | Species | Height <br> (m) | Stem diameter (mm) | Branch spread (m) | Crown clearance (m) | Age class | Physiological condition | Structural condition | Comments | Management recommendation | Category grading | Root Protection Area ( $\mathrm{m}^{2}$ ) | Root <br> Protection <br> Radius (m) |
| T43 | Norway maple <br> (Acer <br> platanoides) | 12 | $300 \text { est }$ | N: 2 <br> E: 3 <br> S: 2 <br> W: 2 | Crown: <br> 3 average <br> Branch: <br> 2 average | Early mature | Fair | Fair | Tall privet hedgerow prevents close inspection. Crown previously reduced with some chlorotic foliage. | Fell and remove stump. | B2 | 40.7 | 3.6 |
| G44 | Himalayan birch (Betula utilis 'Jacquemontii') | $6$ <br> average | 70 <br> average <br> est | 1 <br> average | $3-4$ <br> average | Young | Good | Fair | $2 x$ birch saplings in privet hedgerow. Under-storey suppresses stems and prevents close inspection. | Fell and remove stumps. | C1 | $2.2$ <br> average | 0.8 average |
| T45 | Himalayan birch (Betula utilis 'Jacquemontii') | 6 | 70 | $\begin{array}{cc} \mathrm{N}: & 2 \\ \mathrm{E}: & 2 \\ \mathrm{~S}: & 0 \\ \mathrm{~W}: & 1 \end{array}$ | Crown: <br> N/A <br> Branch: <br> 1 east | Dead | Poor | Poor | Tree died in period between 2018 and 2021 tree surveys. | Fell and remove stump. | U | § | 0.8 |
| T46 | False acacia <br> (Robinia pseudoacacia 'pyramidalis') | 14 | $210,150$ | $\begin{array}{cc} \mathrm{N}: & 1 \\ \mathrm{E}: & 2 \\ \mathrm{~S}: & 2 \\ \mathrm{~W}: & 1 \end{array}$ | Crown: <br> 3 average <br> Branch: <br> 1 average | Early mature | Good | Fair | 1 x main and 1 x secondary stem. Cultivar with slender crown form. | Fell and remove stump. | B2 | 30.1 | 3.1 |
| T47 | False acacia <br> (Robinia pseudoacacia 'pyramidalis') | 14 | $300 \text { est }$ | $\begin{array}{cc} \mathrm{N}: & 2 \\ \mathrm{E}: & 2 \\ \mathrm{~S}: & 1 \\ \mathrm{~W}: & 1 \end{array}$ | Crown: <br> 2 north <br> Branch: <br> 2 average | Early mature | Good | Fair | Cultivar with slender crown form. Dense ivy encroaches crown. | Fell and remove stump. | C2 | 40.7 | 3.6 |
| T48 | Himalayan birch (Betula utilis 'Jacquemontii') | 7 | 120 | N: 2 <br> E: 2 <br> S: 3 <br> W: 3 | Crown: <br> 3 average <br> Branch: <br> 2 east | Semi mature | Good | Good | Small tree of good condition and form. | Fell and remove stump. | C1 | 6.5 | 1.4 |


|  | Site: <br> Survey date: <br> Surveyor: | Dugard <br> 28/08/ <br> Peter | Way <br> 2018 (upd <br> avies | ted 15 | 10/2021) | Tree Survey Schedule |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Tree ref. | Species | Height (m) | Stem diameter (mm) | Branch spread (m) | Crown clearance (m) | Age class | Physiological condition | Structural condition | Comments | Management recommendation | Category grading | Root Protection Area ( $\mathrm{m}^{2}$ ) | Root Protection Radius (m) |
| T49 | Himalayan birch (Betula utilis 'Jacquemontii') | 7 | $\begin{gathered} 80,50 \\ \text { est } \end{gathered}$ | N: 1 <br> E: 1 <br> S: 2 <br> W: 2 | Crown: <br> 3 west <br> Branch: <br> 1 east | Young | Good | Fair | Dual stemmed. Suppressed form. | Fell and remove stump. | C1 | 4.0 | 1.1 |
| T50 | Himalayan birch <br> (Betula utilis <br> 'Jacquemontii') | 5 | 110 | $\mathrm{N}: 1$ <br> E: 2 <br> S: 2 <br> W: 1 | Crown: <br> 2 south <br> Branch: <br> 2 south | Young | Good | Fair | Small tree of reasonable condition. Crown reduced from path. | Fell and remove stump. | C2 | 5.5 | 1.3 <br> (amended on Tree <br> Constraints Plan) |
| T51 | Fastigiate oak (Quercus robur 'fastigiata Koster') | 10 | 240 over ivy | $\begin{array}{ll} \mathrm{N}: & 1 \\ \mathrm{E}: & 1 \\ \mathrm{~S}: & 1 \\ \mathrm{~W}: & 1 \end{array}$ | Crown: <br> 3 average <br> Branch: <br> 3 average | Early mature | Fair | Good | Typical form for species. Ivy encroaches lower crown. | Fell and remove stump. | B2 | 26.1 | 2.9 |
| T52 | Sycamore (Acer pseudoplatanus) | 6 | 80 est | $\begin{array}{ll} \mathrm{N}: & 0 \\ \mathrm{E}: & 1 \\ \mathrm{~S}: & 1 \\ \mathrm{~W}: & 1 \end{array}$ | Crown: <br> 2 average <br> Branch: <br> 2 south | Young | Poor | Fair | Chlorotic foliage throughout crown. Drawn up growth habit due to suppression. | Fell and remove stump. | C1 | 2.9 | 1.0 |
| T53 | Sycamore (Acer pseudoplatanus) | 9 | 160 | N: 1 <br> E: 2 <br> S: 2 <br> W: 2 | Crown: <br> 3 east <br> Branch: <br> 2 east | Semi mature | Good | Fair | Narrow, upright growth habit. Various climbing species from arbor encroach crown. | Fell and remove stump. | C1 | 11.6 | 1.9 |
| T54 | Rowan (Sorbus aucuparia) | 7 | 70 | $\begin{array}{ll} \mathrm{N}: & 2 \\ \mathrm{E}: & 1 \\ \mathrm{~S}: & 0 \\ \mathrm{~W}: & 1 \end{array}$ | Crown: <br> 2 north <br> Branch: <br> 1 east | Semi mature | Good | Fair | Narrow, upright growth habit. Slightly suppressed by T53. | Fell and remove stump. | C1 | 2.2 | 0.8 |



| Site: <br> Survey date: <br> Surveyor: |  | Dugard Way <br> 28/08/2018 (updated 15/10/2021) <br> Peter Davies |  |  |  | Tree Survey Schedule |  |  |  |  |  |  | onsultancy |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Tree ref. | Species | Height (m) | Stem diameter (mm) | Branch spread (m) | Crown clearance (m) | Age class | Physiological condition | Structural condition | Comments | Management recommendation | Category grading | Root Protection Area ( $\mathrm{m}^{2}$ ) | Root Protection Radius (m) |
| T61 | Ornamental pear (Pyrus spp.) | 8 | 210 | N: 2 <br> E: 2 <br> S: 3 <br> W: 3 | Crown: <br> 1 south <br> Branch: <br> 2 average | Early mature | Fair | Fair | North side of crown heavily suppressed by various climbers emanating from group G63. | Fell and remove stump. | B1 | 20.0 | 2.5 |
| T62 | Walnut (Juglans regia) | 7 | 140 | $\begin{array}{ll} \mathrm{N}: & 3 \\ \mathrm{E}: & 1 \\ \mathrm{~S}: & 2 \\ \mathrm{~W}: & 3 \end{array}$ | Crown: <br> 2 west <br> Branch: <br> 2 west | Semi mature | Good | Fair | Stem has slight west lean. East side of crown is slightly suppressed by G63. Reasonable overall condition. | Fell and remove stump. | C1 | 8.9 | 1.7 |
| G63 | Mixed (hazel, field maple, goat willow, Photinia, Norway maple) | $2-8$ <br> average | Up to <br> 150 <br> average | $1-4$ <br> average | $0-3$ <br> average | Semi- <br> early <br> mature | Fair | Fair | Broad, largely unmanaged tree/shrub belt on site boundary. Multi-stemmed and ivy clad trees present. Some screening benefit. | Fell and remove stumps. | C2 | $10.2$ <br> average | 1.8 average |
| T64 | Goat willow (Salix caprea) | 8 | $\begin{gathered} 170,80, \\ 110,140, \\ 190 \end{gathered}$ | $\begin{array}{cc} \mathrm{N}: & 4 \\ \mathrm{E}: & 3 \\ \mathrm{~S}: & 3 \\ \mathrm{~W}: & 5 \end{array}$ | Crown: <br> 2 west <br> Branch: <br> 0 average | Early mature | Fair | Fair | Multi-stemmed from base. <br> Broad, spreading growth habit. Crown reduced from third party building. Lower stems suppressed by G63. | Fell and remove stump. | C2 | 46.6 | 3.9 |
| T65 | False acacia <br> (Robinia pseudoacacia spp.) | 6 | 250 est | $\begin{array}{ll} \mathrm{N}: & 3 \\ \mathrm{E}: & 4 \\ \mathrm{~S}: & 3 \\ \mathrm{~W}: & 3 \end{array}$ | Crown: <br> 1 average <br> Branch: <br> 1 average | Semi mature | Good | Fair | No direct access to survey. Only viewed from parking area on Dugard Way. | Fell and remove stump. | C2 | 28.3 | 3.0 <br> (amended on Tree Constraints Plan) |
| T66 | False acacia (Robinia pseudoacacia spp.) | 6 | 250 est | N: 3 <br> E: 4 <br> S: 3 <br> W: 4 | Crown: <br> 1 average <br> Branch: <br> 1 average | Semi mature | Good | Fair | No direct access to survey. Only viewed from parking area on Dugard Way. | Fell and remove stump. | C2 | 28.3 | 3.0 <br> (amended on Tree Constraints Plan) |


| Site: <br> Survey date: <br> Surveyor: |  | Dugard Way <br> 28/08/2018 (updated 15/10/2021) <br> Peter Davies |  |  |  | Tree Survey Schedule |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
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| Tree ref. | Species | Height (m) | Stem diameter (mm) | Branch spread (m) | Crown clearance (m) | Age class | Physiological condition | Structural condition | Comments | Management recommendation | Category grading | Root Protection Area ( $\mathrm{m}^{2}$ ) | Root Protection Radius (m) |
| T67 | White willow (Salix alba) | 10 | ```180 average x6 stems est``` | $\begin{array}{ll} \mathrm{N}: & 6 \\ \mathrm{E}: & 7 \\ \mathrm{~S}: & 7 \\ \mathrm{~W}: & 6 \end{array}$ | Crown: <br> 1 average <br> Branch: <br> 1 average | Early mature | Good | Poor | Third party tree. Multi-stemmed form. Stems conflict with adjacent metal fence. Wasp nest at base inhibits inspection of stems. | Fell and remove stump. | C2 | 87.9 | 5.3 |
| T68 | Tibetan cherry <br> (Prunus serrula) | 4 | 140 | $\begin{array}{ll} \mathrm{N}: & 2 \\ \mathrm{E}: & 2 \\ \mathrm{~S}: & 2 \\ \mathrm{~W}: & 3 \end{array}$ | Crown: <br> 2 average <br> Branch: <br> 2 average | Semi mature | Good | Good | Street tree in pedestrianised area. Crown lifted to 2 m . | No action required. | C1+2 | 8.9 | 1.7 |

Arboricultural, Ecological
\& Landscape Consultancy

## Appendix 3: Tree Retention \& Protection Plan

Rood
Canopy of tree to be retained
Canopy of category $\mathrm{B}^{*}$ tree to be removeConstruction exclusion zone
*Tree categorised in accordance with BS 5837:2012 Trees itTree Survey Schedule contained within the arboricultural report te.drawing should be viewed in colour.

## Drawing no: PJC/5926/21/B

## ent and site

## Land at Dugard Way

Lambeth
Drawing title: Tree Retention and Protection Pla

## - 2

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Drawn by: PD

* PJC
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Drawing no: PJC/5926/21/B

## Client and site

Anthology Kennington Stage Ltd
Land at Dugard Way
Lambeth
SE11 4TH
Drawing title: Tree Retention and Protection Pla

## Date draw: 20101202

cale: 1:200 at A1
Drawn by: PD

* PJC

Checked by: Lw

Cooricultural. Consulutangyl
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