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The Towers.

PRELIMINARY TREE CONSTRAINTS SURVEY AND REPORT.

ARBORICULTURAL IMPLICATIONS ASSESSMENT

04 04 2013. Updated 23 05 13

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THE ANNEX WILLOW HILL SCHOOL LANE BURWARDSLEY
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1 Instruction

We have received an instruction from the client for the production of a tree survey and arboricultural implication study at Towers Business Park based on the forthcoming development layout. This correspondence provided for the following work specification:

1.1 Brief

The survey should consider trees within the site and those immediately in the vicinity of ecological or amenity importance or are considered a material consideration for a planning application.

Methodology is to be in accordance with *BS5837:2012 Trees in relation to design, demolition and construction – Recommendations.*

A detailed schedule will be produced covering the following summary below:

- Tree/group reference number to be recorded on tree survey plans
- Species, common and scientific names recorded on survey plan
- Height in meters recorded on survey plan
- Stem diameter in mm at 1.5 above adjacent ground level
- Branch spread at four cardinal points
- Crown height in meters recorded on survey plan
- Age class
- Physiological and structural condition
- Preliminary management recommendations
- Estimated remaining contribution in years
- Retention value to be recorded on plan
- Comments

A Tree Constraints Plan is to be produced detailing above and below ground constraints to inform the design team of these arboricultural constraints

2. Survey and report objectives

To provide an accurate survey of significant trees by collecting base line data in accordance with BS5837:2012.

To identify the above and below ground arboricultural constraints affecting land use on the site and to inform the design team of these constraints allowing feasibility and design options to be considered.

To assess the arboricultural implications arising from the installation of the proposed masterplan provided by Rishworth Design and incorporated into the Tree Protection Plan (TPP) to the rear of this report.

3. Survey – Methodology, limitations and further considerations

3.1 Survey methodology

This report has been commissioned by the client to determine a preliminary tree survey in contemplation of the development for the land identified

The site was surveyed in August 2012 and the trees were assessed visually and compiled in the following detailed schedule (arboricultural survey sheets contained in appendix four) as either numbered individuals or tree groups.

Measurements and dimension are estimated visually.

The trees have been classified according to the "desirability to retain". This assessment rates the amenity conferred by each tree and is based on the assumption that development will occur on the site. The categories expressed in BS5837: 2012 Table one – cascade chart for tree quality assessment are reproduced in appendix one.

A Tree Constraints Plan (TCP) has been produced detailing Root Protection Areas (RPA) and is based on BS5837:2012.

An arboricultural analysis of the impact of development has been undertaken and a Tree Protection Plan (TPP) produced based on the proposed design and as a result of Arboricultural Implications Assessment (AIA).

3.2 Survey limitations

This report provides information on the selection of trees to be retained on the site through the retention value assessment.

The trees on the site are subject to a general re-inspection schedule of twelve months, regardless of development plans from which a requirement for further monitoring, assessments or remedial works will be judged.

When development has commenced, retained trees will require monitoring during construction

No assessment has been made of soil conditions/implications of soil conditions and root extent is indeterminate from this survey. We would urge that soil type is ascertained and tree related implications are assessed such as foundation type/depth in accordance with N.H.B.C. guidelines.

This report has not searched for the existence of statutory legislation applying to the site, such as TPO or Conservation area.

No information is available to assess any detrimental implications of any proposed service lines or upgrading of existing services in the vicinity of retained trees, we would urge this information is assessed for arboricultural significance.

The survey boundaries have been taken from the supplied topographical drawing.

3.3 Further considerations

A full Arboricultural Method Statement (AMS) is required for the scheme which can be made the subject of a planning condition.

4. Site description

The site is located within woodland, groups of trees and individual trees and is primarily used for commercial activity, car parking and recreational areas throughout the general business park.

The site is typified by a wide array of typical tree species for the area with plantings haven taken place at various times throughout recent history. Notable individuals are scattered across the site.

5. Survey findings

5.1 Tree stock description and outline of development impact

There are a number of high quality (Category A and B) individual trees such as T40, 58-62, 22-23 that require special measures during construction. These special measures will be the use of a no dig policy whereby construction shall be on top of the existing ground levels. A cellular geo web such as tensar SS20/40 or geo cell will be used with engineer designed edge restraints and filled with porous material. This shall apply to all roads and car parking bays in the special measures areas. Other high quality trees remain unaffected such as 64/65, 44, 45 and 46, 49.

A number of recent plantings are due to be removed and replaced including G1, G8, G2, G3 and G7 and Tree numbers 82-87, many of which are category c retention value.

A number of category U trees are present including G10, T24-25 and T27-28 and T7 which require prompt removal for health and safety reasons

5.2 Visual Amenity

The tree stock across the site largely confers visual amenity to the immediate locality of the site and adjacent residential property. There is significant visual amenity conferred by the existing trees in the wider landscape. The wider impact on visual amenity is slight and little material significance will be experienced by these proposals on visual amenity in the locality.

5.3 Above and below ground arboricultural constraints.

The Root Protection Area (RPA).

The RPA defines a circle from the stem and is calculated for single stem trees by multiplying the stem diameter by twelve. For trees with up to five or over five stems a combined stem diameter is used as detailed in BS5837:2012, 4.6. The RPA represents the minimum area of disturbance free ground to be retained for the continued health and safety of the tree.

In most cases of retained trees the RPA of the existing trees is occupied by proposed new surfacing. It will be key to this scheme that the no dig requirements are fully adopted and monitored during development

The potential for indirect and direct root damage to structures.

The likelihood of potential direct damage to the existing built infrastructure such as walls and property will depend mainly on the shrink ability of any clay component within the soil and rooting depth of the tree, the condition/age of the structure and also the proximity of the tree to the structure.

The assessment of soil shrink ability is outside the area of our expertise and the scope of this report.

The crown dimension.

The crown dimension has been shown at four cardinal points for each tree reference on the Tree Constraints Plan.

The physical contact and subsequent nuisance arising from tree crowns interfering typically with built property can manifest in post construction tree resentment and adequate planning is required to manage these issues.

The current proposal does not require new building and therefore tree pruning to abate nuisance does not increase under this scheme. The issue of falling debris from replanted material is a matter for the landscape architect.

Dominance and shading related considerations.

It is important that the proposed scheme does not generate post construction tree resentment from occupants of the proposed.

Typically mature trees located on the southern and western boundary can cause shading issues in the late summer afternoons and evenings when peak recreational activity is occurring. This can be compounded significantly by the presence of a number of trees on these boundaries.

In this case no retained trees are located so as to generate post construction resentment issues. It is noted that the nature of the planning application is commercial use and therefore post construction tree resentment of this kind is not envisaged.

5.4 Tree Works (Preliminary management recommendations)

Preliminary Management recommendations have been provided in Appendix Four within the arboricultural survey sheets. These recommendations are provided in contemplation of development and also represent our recommendations for the current management of trees in order that the landowners discharge his/her duty of care (preliminary management recommendations).

The preliminary management recommendations have been updated within the site survey sheets as a result of the arboricultural implications analysis.

5.5 Tree Protection

The retained trees on site shall be protected by the installation of heras fencing with the use of bespoke metal pegs securing the supplied rubber feet into the ground. The location of the TPZ is as shown on the TPP and shall be installed for the duration of construction works only.

A number of Special Measure Areas have been identified and a no dig policy, load bearing geotextile and a finished porous wearing surface are all required.

It is strongly recommended that all construction is the SMA is co-ordinated through an arboricultural clerk of works appointed to monitor and advise on these works during development

5.6 Arboricultural Analysis and Summary

The site is typified by tree species of high individual and group arboricultural merit and significance.

The vast majority of trees growing on the site are due to be retained either for existing condition or development related reasons. Those to be removed mainly consist of category c trees of low to moderate quality.

Tree retention will require the installation of protective fencing as specified and shown on the Tree Protection Plan. Special Measures Areas will require arboricultural monitoring when construction is occurring.

5.7 Conclusions

The scheme details and general proposed general arrangement accords with BS5837:2012.

An Arboricultural Method Statement is required which can be the subject of a planning condition. This will specifically need to manage issues of new surfacing (materials and methods), tree protection, monitoring and communications.

Tree loss for development can be mitigated by the provision of a landscape plan detailing appropriate replacements across the site.

6. Appendix

Appendix 1. Report Keys – age class, remaining contribution and retention value table

Age Class	Remaining contribution (in years)
Y Young	<10
EM Early Mature	10+
SM Semi mature	20
M Mature	40+
OM Over Mature	
V Veteran	

Table 1 - Cascade chart for tree quality assessment

TREES FOR REMOVAL

Category and definition	***Criteria***
Category U Those in such a condition that any existing value would be lost within 10 years and which should, in the current context, be removed for reasons of sound arboricultural management	• 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 R category trees (i.e. 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 the health and/or safety of other trees nearby (e.g. Dutch Elm Disease) or very low quality trees suppressing adjacent trees of better quality **NOTE:** Habitat reinstatement may be appropriate (e.g. R category tree used as a bat roost: installation of bat box in nearby tree).

TREES TO BE CONSIDERED FOR RETENTION

	Criteria - Subcategories		
Category and definition	**1. Mainly arboricultural values**	**2. Mainly landscape values**	**3. Mainly cultural values including conservation**
Category A **Those of high quality and value:** in such a condition as to be able to make a substantial contribution (a minimum of 40 years is suggested)	Trees that are particularly good examples of their species, especially if rare or unusual, or essential components of groups, or of formal or semi-formal arboricultural features (e.g. the dominant and/or principal trees within an avenue)	Trees, groups or woodlands which provide a definite screening or softening effect to the locality in relation to views into or out of the site, or those of particular visual importance (e.g. avenues or other arboricultural features assessed as groups)	Trees, groups or woodlands of significant conservation, historical, commemorative or other value (e.g. veteran trees or wood-pasture)
Category B **Those of moderate quality and value:** those in such a condition as to make a significant contribution (a minimum of 20 years is suggested)	Trees that might be included in the high category, but are downgraded because of impaired condition (e.g. presence of remediable defects including unsympathetic past management and minor storm damage)	Trees present in numbers, usually as groups or woodlands, such that they form distinct landscape features, thereby attracting a higher collective rating than they might as individuals but which are not, individually, essential components of formal or semi-formal arboricultural features (e.g. trees of moderate quality within an avenue that includes better, A category specimens) or trees situated mainly internally to the site, therefore individually having little visual impact on the wider locality	Trees with clearly identifiable conservation or other cultural benefits
Category C **Those of low quality and value:** currently in adequate condition to remain until new planting could be established (a minimum of 10 years is suggested) or young trees with a stem diameter below 150mm	Trees not qualifying in higher categories	Trees present in groups or woodlands, but without this conferring on them significantly greater landscape value and/or trees offering low or only temporary screening benefit	Trees with very limited conservation or other cultural benefits
	NOTE: Whilst C category trees will usually not be retained where they would impose a significant constraint on development, young trees with a stem diameter of less than 150mm should be considered for relocation		

Appendix 2. Tree Constraints Plan

TREE CONSTRAINTS PLAN

Retention value key

(RETENTION VALUE A)

(RETENTION VALUE B)

(RETENTION VALUE C)

Trees to be removed (RETENTION VALUE U)

Root Protection Areas (RPA)

Root Protection Areas (RPA's) have been identified and are based on BS5837:2012. RPA's have been shown as a red polyline.

RPA

Canopy extent

Monochrome
This drawing shall not be read in black and white

Kingston Road

indicative canopy

AMENITY TREE CARE Ltd

Client: DEP

Project: Towers

Detail: TREE CONSTRAINTS PLAN

Drawn By: GB | 23/05/13 | Scale: 1/1250@A3

Drg No: TR-01 | Revision: V4

Wilmslow Road

A5145

TREE CONSTRAINTS PLAN

Retention value key

(RETENTION VALUE A)

(RETENTION VALUE B)

(RETENTION VALUE C)

Trees to be removed (RETENTION VALUE U)

Root Protection Areas (RPA)

Root Protection Areas (RPA's) have been identified and are based on BS5837:2012. RPA's have been shown as a red polyline.

RPA

Canopy extent

Monochrome
This drawing shall not be read in black and white

AMENITY TREE CARE Ltd

Client: DEP

Project: Towers

Detail: TREE CONSTRAINTS PLAN

Drawn By:	Date:	Scale:
SB	23/05/13	1/1250@A3

Drg No:	Revision:
TR-02	V4

TREE CONSTRAINTS PLAN

Retention value key

(RETENTION VALUE A)

(RETENTION VALUE B)

(RETENTION VALUE C)

Trees to be removed (RETENTION VALUE U)

Root Protection Areas (RPA)

Root Protection Areas (RPA's) have been identified and are based on BS5837:2012. RPA's have been shown as a red polyline.

RPA

Canopy extent

Monochrome
This drawing shall not be read in black and white.

AMENITY TREE CARE Ltd

Client: DEP

Project: Towers

Detail: TREE CONSTRAINTS PLAN

Drawn By:	Date:	Scale:
SB	23/05/13	1/1250@A3

Drg No:	Revision:
TR-03	V4



TREE CONSTRAINTS PLAN

Retention value key

(RETENTION VALUE A)

(RETENTION VALUE B)

(RETENTION VALUE C)

Trees to be removed (RETENTION VALUE U)

Root Protection Areas (RPA)

Root Protection Areas (RPA's) have been identified and are based on BS5837:2012. RPA's have been shown as a red polyline.

RPA

Canopy extent

Monochrome
This drawing shall not be read in black and white.

AMENITY TREE CARE Ltd

Client: DEP

Project: Towers

Detail: TREE CONSTRAINTS PLAN – OVERVIEW

Drawn By:	Date:	Scale:
SB	23/05/13	NTS

Drg No: TR-01-3 Overview

Revision: V4

1



TREE PROTECTION PLAN

Retention value key

(RETENTION VALUE A)

(RETENTION VALUE B)

(RETENTION VALUE C)

(RETENTION VALUE U)

Root Protection Areas (RPA) & Provisional Tree Protection Zones (TPZ)

Root Protection Areas (RPA's) have been identified and are based on BS5837:2012.

Provisional Tree Protection Zones (TPZ's) have been identified following an assessment of the likely tolerance of damage, root morphology, site conditions, topography, ultimate height and issues of post construction tree resentment such as nuisance. The TPZ represents a realistic assessment of the area of ground required to remain undisturbed to facilitate meaningful and long term successful tree retention. Further allowance for a greater distance may be required following detailed analysis of shadowing, where applicable.

TPZ's and RPA's have been shown as detailed below.

Tree Protection Zone

RPA

Canopy extent

Designated areas exist where Special Measures will be required during construction

SPECIAL MEASURE AREA (SMA). Refer to AIA and draft arboricultural method statement for details of recommended construction.

Notes

Where trees and tree groups have been identified for removal for development within the AIA or condition related reasons they have been shown dashed on the Tree Protection Plan (as shown below) and cross referenced to the site survey sheets

Monochrome

This drawing shall not be read in black and white.

AMENITY TREE CARE Ltd

Client: GVA

Project: Towers Combined

Detail: TREE PROTECTION PLAN - Sht1

Drawn By:	Date:	Scale:
SB	23/05/13	1:500@A3

Drg No: TR-01

Revision: V4



TREE PROTECTION PLAN

Retention value key

(RETENTION VALUE A)

(RETENTION VALUE C)

(RETENTION VALUE B)

Root Protection Areas (RPA) & Provisional Tree Protection Zones (TPZ)

Root Protection Areas (RPA's) have been identified and are based on BS5837:2012.

Provisional Tree Protection Zones (TPZ's) have been identified following an assessment of the likely tolerance of damage, root morphology, site conditions, topography, ultimate height and issues of post construction tree resentment such as nuisance. The TPZ represents a realistic assessment of the area of ground required to remain undisturbed to facilitate meaningful and long term successful tree retention. Further allowance for a greater distance may be required following detailed analysis of shadowing, where applicable.

TPZ's and RPA's have been shown as detailed below.

Tree Protection Zone

RPA

Canopy extent

Designated areas exist where Special Measures will be required during construction

SPECIAL MEASURE AREA (SMA). Refer to AIA and draft arboricultural method statement for details of recommended construction.

Notes

Where trees and tree groups have been identified for removal for development within the AIA or condition related reasons they have been shown dashed on the Tree Protection Plan (as shown below) and cross referenced to the site survey sheets

Monochrome
This drawing shall not be read in black and white.

AMENITY TREE CARE Ltd

Client: GVA

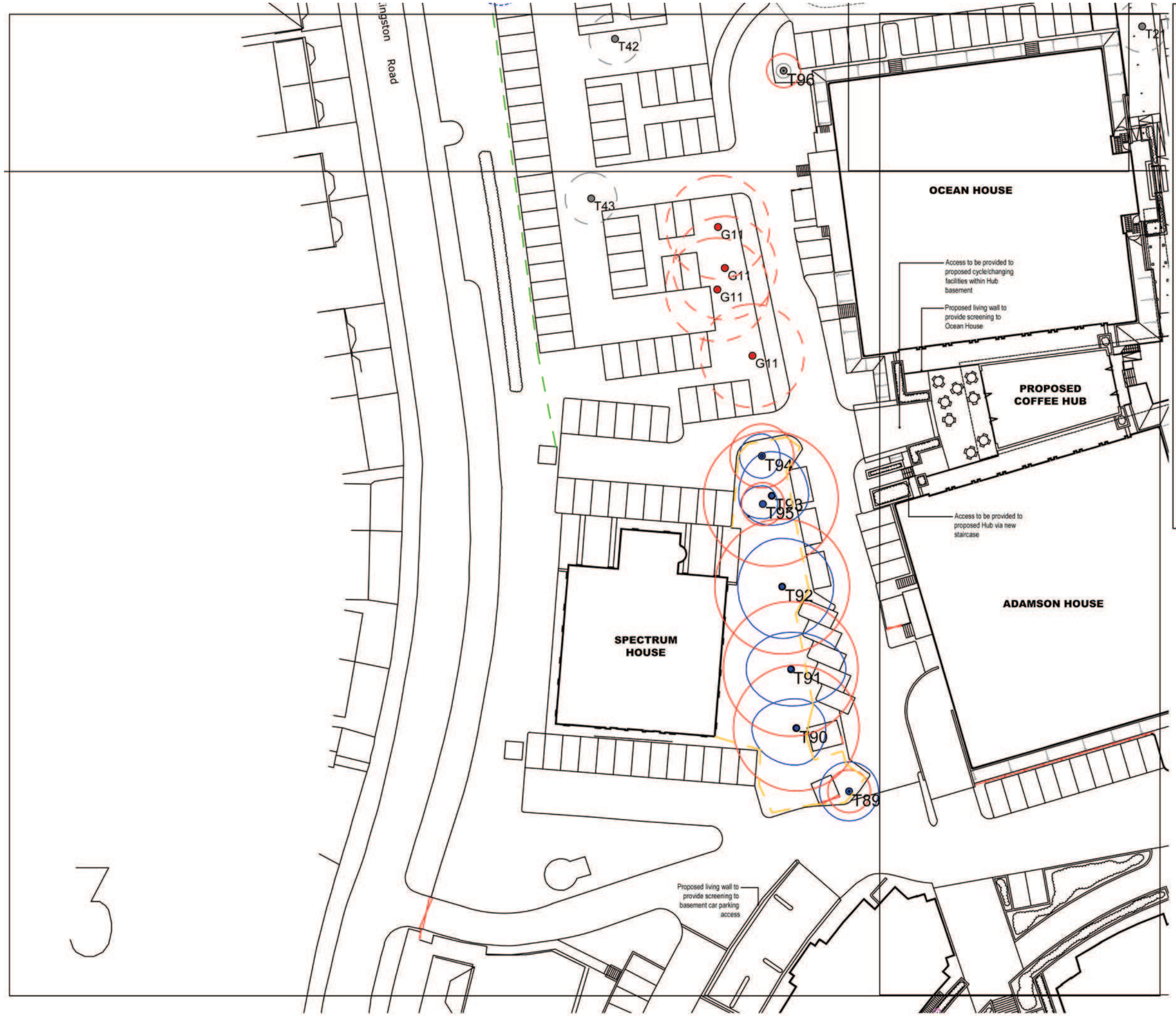
Project: Towers Combined

Detail: TREE PROTECTION PLAN - Sht2

Drawn By:	Date:	Scale:
SB	23/05/13	1:500@A3

Drg No: TR-02

Revision: V4



TREE PROTECTION PLAN

Retention value key

(RETENTION VALUE A)

(RETENTION VALUE C)

(RETENTION VALUE B)

(RETENTION VALUE U)

Root Protection Areas (RPA) & Provisional Tree Protection Zones (TPZ)

Root Protection Areas (RPA's) have been identified and are based on BS5837:2012.

Provisional Tree Protection Zones (TPZ's) have been identified following an assessment of the likely tolerance of damage, root morphology, site conditions, topography, ultimate height and issues of post construction tree resentment such as nuisance. The TPZ represents a realistic assessment of the area of ground required to remain undisturbed to facilitate meaningful and long term successful tree retention. Further allowance for a greater distance may be required following detailed analysis of shadowing, where applicable.

TPZ's and RPA's have been shown as detailed below.

Tree Protection Zone

RPA

Canopy extent

Designated areas exist where Special Measures will be required during construction

SPECIAL MEASURE AREA (SMA). Refer to AIA and draft arboricultural method statement for details of recommended construction.

Notes

Where trees and tree groups have been identified for removal for development within the AIA or condition related reasons they have been shown dashed on the Tree Protection Plan (as shown below) and cross referenced to the site survey sheets

Monochrome
This drawing shall not be read in black and white.

AMENITY TREE CARE Ltd

Client: GVA

Project: Towers Combined

Detail: TREE PROTECTION PLAN - Sht3

Drawn By:	Date:	Scale:
SB	23/05/13	1:500@A3

Drg No:	Revision:
TR-03	V4

OCEAN HOUSE

SCOTSCROFT

PROPOSED COFFEE HUB

ADAMSON HOUSE

THE PA

EGERTON

Access to be provided to proposed cycle/changing facilities within Hub basement

Proposed living wall to provide screening to Ocean House

Access to be provided to proposed Hub via new staircase

T1 T2 T3 T4 T5 T6 T7 T8 T9 T10 T11 T12 T13 T14 T15 T16 T17 T18 T19 T20 T82 T83 T84 T85 T86 T87 T88 T98 T99

TREE PROTECTION PLAN

Retention value key

(RETENTION VALUE A)

(RETENTION VALUE B)

(RETENTION VALUE C)

(RETENTION VALUE U)

Root Protection Areas (RPA) & Provisional Tree Protection Zones (TPZ)

Root Protection Areas (RPA's) have been identified and are based on BS5837:2012.

Provisional Tree Protection Zones (TPZ's) have been identified following an assessment of the likely tolerance of damage, root morphology, site conditions, topography, ultimate height and issues of post construction tree resentment such as nuisance. The TPZ represents a realistic assessment of the area of ground required to remain undisturbed to facilitate meaningful and long term successful tree retention. Further allowance for a greater distance may be required following detailed analysis of shadowing, where applicable.

TPZ's and RPA's have been shown as detailed below.

Tree Protection Zone

RPA

Canopy extent

Designated areas exist where Special Measures will be required during construction

SPECIAL MEASURE AREA (SMA). Refer to AIA and draft arboricultural method statement for details of recommended construction.

Notes

Where trees and tree groups have been identified for removal for development within the AIA or condition related reasons they have been shown dashed on the Tree Protection Plan (as shown below) and cross referenced to the site survey sheets

Monochrome
This drawing shall not be read in black and white.

AMENITY TREE CARE Ltd

Client: GVA

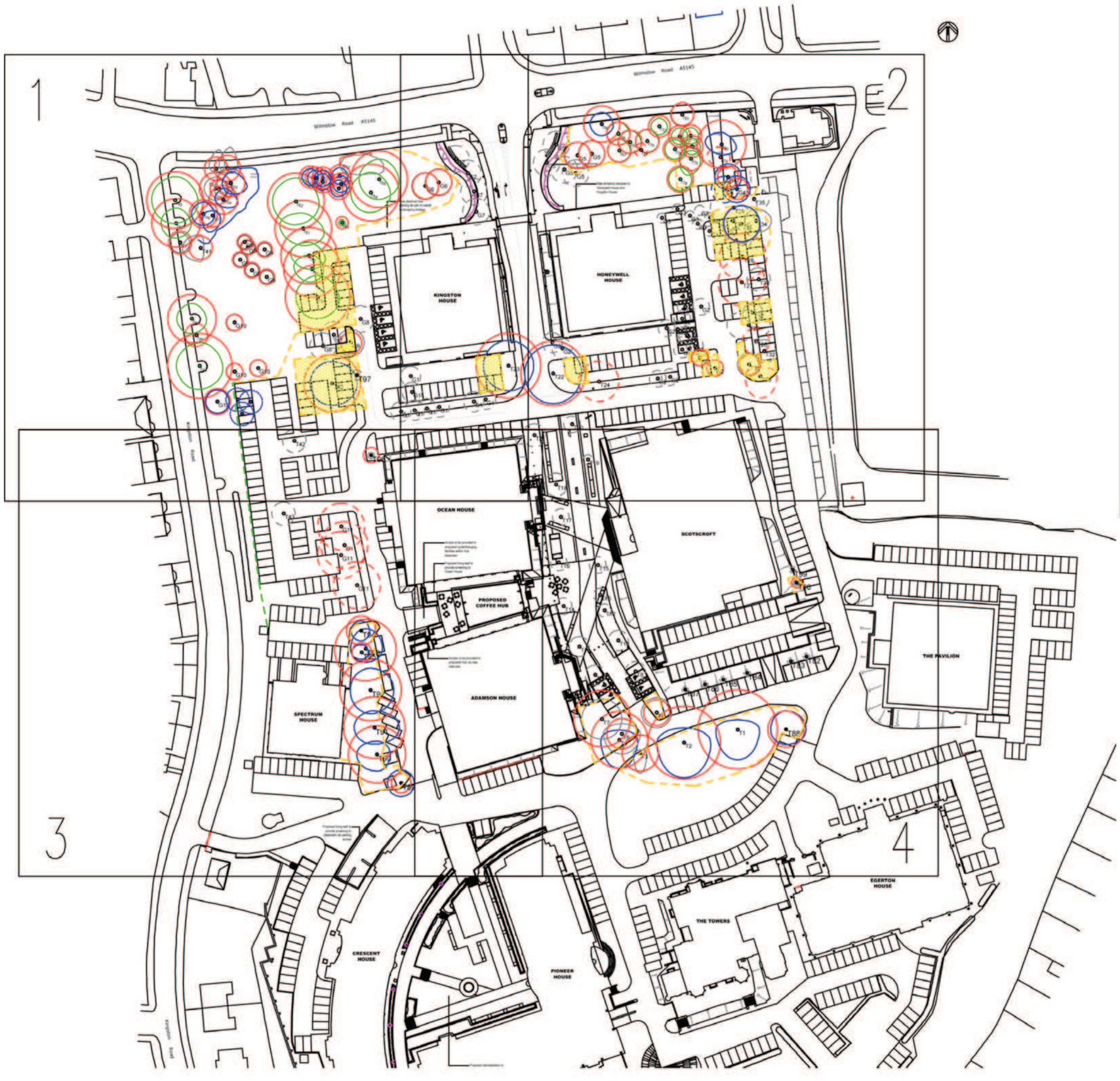
Project: Towers Combined

Detail: TREE PROTECTION PLAN - Sht4

Drawn By:	Date:	Scale:
SB	23/05/13	1:500@A3

Drg No: TR-04

Revision: V4



TREE PROTECTION PLAN

Retention value key

(RETENTION VALUE A)

(RETENTION VALUE C)

(RETENTION VALUE B)

(RETENTION VALUE U)

Root Protection Areas (RPA) & Provisional Tree Protection Zones (TPZ)

Root Protection Areas (RPA's) have been identified and are based on BS5837:2012.

Provisional Tree Protection Zones (TPZ's) have been identified following an assessment of the likely tolerance of damage, root morphology, site conditions, topography, ultimate height and issues of post construction tree resentment such as nuisance. The TPZ represents a realistic assessment of the area of ground required to remain undisturbed to facilitate meaningful and long term successful tree retention. Further allowance for a greater distance may be required following detailed analysis of shadowing, where applicable.

TPZ's and RPA's have been shown as detailed below.

Tree Protection Zone

RPA

Canopy extent

Designated areas exist where Special Measures will be required during construction

SPECIAL MEASURE AREA (SMA). Refer to AIA and draft arboricultural method statement for details of recommended construction.

Notes

Where trees and tree groups have been identified for removal for development within the AIA or condition related reasons they have been shown dashed on the Tree Protection Plan (as shown below) and cross referenced to the site survey sheets

Monochrome

This drawing shall not be read in black and white.

AMENITY TREE CARE Ltd

Client: GVA

Project: Towers Combined

Detail: TREE PROTECTION PLAN - Overview

Drawn By: SB | Date: 23/05/13 | Scale: 1:1250@A3

Drg No: TR-01-4 | V4

Tree Ref on plan	Latin Name	Age Class	Stem diameter in mm	Multi/single stem	Ht. in M	Lower crown height	Canopy Spread N	Canopy Spread E	Canopy Spread S	Canopy Spread W	Retention value	Remaining contrib. in years	Arboricultural comments	Preliminary Management Recommendations	Recommendation following AIA	Root Protection Area - Radius in M
1	Thuja plicata	M	400	6	19.5	0	3	9	6.5	6.5	B2	20+	Layering occurring.	No works required	Unaffected directly. Install TPZ as shown on TPP	4.8
2	Cedrus libani atlantica	M	900	1	14.5	0	4.5	10.5	8	8	B2	20+	Minor dieback in crown. Helical ribbing on stem.	Remove deadwood from within crown structure. Cuts not to exceed 25m.	Unaffected directly. Install TPZ as shown on TPP	10.8
3	Pinus nigra 'maritima'	Y	450	1	10	0	1	6	2	2	C2	20+	Part of linear group. Spindly habit. Leaning South. Crown distorted due to group pressure. Poor overall form and condition	Consider removal and replacement	Unaffected directly. Install TPZ as shown on TPP	5.4
4	Quercus robur	EM	325	1	10	0	4.5	4.5	4.5	4.5	C2	20+	Young tree, reasonable condition at present	No works required	Unaffected directly. Install TPZ as shown on TPP	3.9
5	Pinus nigra 'maritima'	M	700	1	14.5	0	3	8.5	5.5	5.5	B2	20+	Part of linear group. Leaning South.	No works required	Unaffected directly <20% RPA loss. Install TPZ as shown on TPP. Proposed paving grid to be no dig throughout TPZ fenced areas - refer to AIA	8.4
6	Cupressus glabra	M	375	1	10	0	3	6	5.5	5.5	C2	20+	Part of linear group.	No works required	Unaffected directly. Install TPZ as shown on TPP.	4.5
7	Acer pseudoplatanus	OM	700	1	18.5	0	6	6	6	6	C1	<10	Low vitality. Declining. Dieback in crown.	Reduce canopy to live points by removing approximatley 30% of canopy	Reduce canopy to live points by removing approximatley 30% of canopy. Inspect annually thereafter.Install TPZ as shown on TPP.	8.4
8	Acer platanoides	EM	220	1	8	2.5	3	3	3	3	C2	10+	Major bark wounding on stem.	Remove tree and root.	Remove tree and root.	2.6

Tree Ref on plan	Latin Name	Age Class	Stem diameter in mm	Multi/single stem	Ht. in M	Lower crown height	Canopy Spread N	Canopy Spread E	Canopy Spread S	Canopy Spread W	Retention value	Remaining contrib. in years	Arboricultural comments	Preliminary Management Recommendations	Recommendation following AIA	Root Protection Area - Radius in M
9	Acer platanoides	EM	220	1	8	2.5	3	3	3	3	C2	10+	Unsuitable for long term retention.	Consider removal and replacement	Lost for species suitability and development related reasons. Replace within landscape plan	2.6
10	Acer platanoides	EM	220	1	8	2.5	3	3	3	3	C2	10+	Unsuitable for long term retention.	Consider removal and replacement	Lost for species suitability and development related reasons. Replace within landscape plan	2.6
11	Acer platanoides	EM	220	1	8	2.5	3	3	3	3	C2	10+	Unsuitable for long term retention.	Consider removal and replacement	Lost for species suitability and development related reasons. Replace within landscape plan	2.6
12	Acer platanoides	Y	170	1	6.5	2.5	2	2	2	2	C2	10+	Unsuitable for long term retention.	Consider removal and replacement	Lost for species suitability and development related reasons. Replace within landscape plan	2
13	Acer platanoides	Y	170	1	6.5	2.5	2	2	2	2	C2	10+	Unsuitable for long term retention.	Consider removal and replacement	Lost for species suitability and development related reasons. Replace within landscape plan	2
14	Acer platanoides	Y	200	1	7	2.5	2.5	2.5	2.5	2.5	C2	10+	Unsuitable for long term retention.	Consider removal and replacement	Lost for species suitability and development related reasons. Replace within landscape plan	2.4
15	Acer platanoides	Y	200	1	7	2.5	2.5	2.5	2.5	2.5	C2	10+	Unsuitable for long term retention.	Consider removal and replacement	Lost for species suitability and development related reasons. Replace within landscape plan	2.4

Tree Ref on plan	Latin Name	Age Class	Stem diameter in mm	Multi/single stem	Ht. in M	Lower crown height	Canopy Spread N	Canopy Spread E	Canopy Spread S	Canopy Spread W	Retention value	Remaining contrib. in years	Arboricultural comments	Preliminary Management Recommendations	Recommendation following AIA	Root Protection Area - Radius in M
16	Acer platanoides	Y	200	1	8	2.5	2.5	2.5	2.5	2.5	C2	10+	Unsuitable for long term retention.	Consider removal and replacement	Lost for species suitability and development related reasons. Replace within landscape plan	2.4
17	Acer platanoides	Y	230	1	8	2.5	2.5	2.5	2.5	2.5	C2	10+	Unsuitable for long term retention.	Consider removal and replacement	Lost for species suitability and development related reasons. Replace within landscape plan	2.8
18	Acer platanoides	Y	230	1	8	2.5	3.5	3.5	3.5	3.5	C2	10+	Unsuitable for long term retention.	Consider removal and replacement	Lost for species suitability and development related reasons. Replace within landscape plan	2.8
19	Acer platanoides	Y	150	1	6	2.5	1.5	1.5	1.5	1.5	C2	10+	Unsuitable for long term retention.	Consider removal and replacement	Lost for species suitability and development related reasons. Replace within landscape plan	1.8
20	Acer platanoides	Y	180	1	8	2.5	2.5	2.5	2.5	2.5	C2	10+	Unsuitable for long term retention.	Consider removal and replacement	Lost for species suitability and development related reasons. Replace within landscape plan	2.2
21	Acer platanoides	Y	230	1	8	2.5	3.5	3.5	3.5	3.5	C2	10+	Unsuitable for long term retention.	Consider removal and replacement	Lost for species suitability and development related reasons. Replace within landscape plan	2.8
22	Fagus sylvatica 'Purpurea'	M	800	1	14.5	0	8.5	9	8.5	8.5	B2	20+	Good overall condition	No works required	SMA for car parking, refere to AIA. Install boxed timber around stem	9.6
23	Fagus sylvatica 'Purpurea'	M	800	1	14.5	0	7.5	7.5	7.5	7.5	B2	20+	Good overall condition	No works required	SMA for car parking, refere to AIA. Install boxed timber around stem	9.6

Tree Ref on plan	Latin Name	Age Class	Stem diameter in mm	Multi/single stem	Ht. in M	Lower crown height	Canopy Spread N	Canopy Spread E	Canopy Spread S	Canopy Spread W	Retention value	Remaining contrib. in years	Arboricultural comments	Preliminary Management Recommendations	Recommendation following AIA	Root Protection Area - Radius in M
24	Cedrus deodora	M	600	1	16	0	6	6	6	6	U	<10	Dieback in crown.	Remove tree and root.	Remove tree and root.	7.2
25	Acer pseudoplatanus	M	600	1	15	0	3	6.5	5	4.5	U	<10	Dieback in crown.	Remove tree and root.	Remove tree and root.	7.2
26	Acer pseudoplatanus	M	375	1	15	0	4	4	4	4	U	<10	Dieback in crown.	Remove tree and root.	Remove tree and root.	4.5
27	Acer pseudoplatanus	M	600	1	18	0	7	7	7	7	U	<10	Dieback in crown.	Remove tree and root.	Remove tree and root.	7.2
28	Acer pseudoplatanus	M	600	1	18	0	7	7	7	7	U	<10	Dieback in crown.	Remove tree and root.	Remove tree and root.	7.2
29	Betula pendula	M	450	1	18	0	4.5	4.5	6.5	6.5	C2	<10	Tree located within hard surface area. Low bud/leaf density.	Remove tree and root.	Remove tree and root.	5.4
30	Acer pseudoplatanus	Y	250	1	8	0	3	3	3	3	C2	10+	Reasonable condition	No works required	Retain within Tree Protection Zone. SMA applies, no dig details within SMA, refer to AIA	3
31	Acer pseudoplatanus	Y	250	1	8	0	3.5	3.5	3.5	3.5	C2	10+	Reasonable condition	No works required	Retain within Tree Protection Zone. SMA applies, no dig details within SMA, refer to AIA	3
32	Ilex aquifolium	Y	280	1	11	0	3.5	3.5	3.5	3.5	C2	10+	Reasonable condition	No works required	Lost for development, replace within landscape plan	3.4
33	Ilex aquifolium	Y	280	1	11	0	3.5	3.5	3.5	3.5	C2	10+	Reasonable condition	No works required	Lost for development, replace within landscape plan	3.4
34	Ilex aquifolium	M	325	1	12.5	0	3.5	3.5	4.5	3.5	C2	10+	Reasonable condition	No works required	Retain within Tree Protection Zone.	3.9
35	Ilex aquifolium	M	270	1	12.5	0	3.5	3.5	4.5	3.5	C2	10+	Reasonable condition	No works required	Lost for development	3.2
36	Ilex aquifolium	M	270	1	12.5	0	3.5	3.5	4.5	3.5	C2	10+	Reasonable condition	No works required	Lost for development, replace within landscape plan	3.2

Tree Ref on plan	Latin Name	Age Class	Stem diameter in mm	Multi/single stem	Ht. in M	Lower crown height	Canopy Spread N	Canopy Spread E	Canopy Spread S	Canopy Spread W	Retention value	Remaining contrib. in years	Arboricultural comments	Preliminary Management Recommendations	Recommendation following AIA	Root Protection Area - Radius in M
37	Acer pseudoplatanus	Y	220	1	12.5	0	0	3.5	0	5	C2	10+	Crown distorted due to group pressure.	Remove tree and root.	Lost for development, replace within landscape plan	2.6
38	Acer pseudoplatanus	M	450	1	15.5	0	5.5	5.5	5.5	5.5	C2	10+	Crown distorted due to group pressure.	Remove major deadwood.	Retain within Tree Protection Zone. SMA applies, no dig details within SMA, refer to AIA	5.4
39	Acer pseudoplatanus	M	600	1	16.5	0	6	6	7	7	C2	10+	Crown distorted due to group pressure.	Remove major deadwood.	Lost for development, replace within landscape plan	7.2
40	Tilia X europaea	M	700	1	20.5	0	6.5	6.5	7.5	6.5	B2	40+	Large specimen in good condition	No works required	Significant area under canopy due to be converted to no dig car parking in SMA. Both road access and bays require no dig, geo textile use and porous materials. Refer to AIA.	8.4
41	Fagus sylvatica	EM	290	1	9.5	0	4	4	1	5.5	C2	20+	Crown distorted due to group pressure.	Consider removal and replacement	Unaffected directly. Install TPZ as shown on TPP	3.5
42	Betula pendula	EM	220	3	13.5	0	3.5	3.5	3.5	3.5	C2	10+	Tree located within hard surface area.	No works required	Lost for development, replace within landscape plan	2.6
43	Betula pendula	EM	220	3	13.5	0	3.5	3.5	3.5	3.5	C2	10+	Tree located within hard surface area.	No works required	Lost for development, replace within landscape plan	2.6
44	Aesculus hippocastanum	M	800	1	22	2.5	7	7	7	7	A1	40+	Leaf miner *(Cameraria ohridella)* present throughout canopy .Notable individual specimen. Exudate visible on stem.		No works required	9.6

Tree Ref on plan	Latin Name	Age Class	Stem diameter in mm	Multi/single stem	Ht. in M	Lower crown height	Canopy Spread N	Canopy Spread E	Canopy Spread S	Canopy Spread W	Retention value	Remaining contrib. in years	Arboricultural comments	Preliminary Management Recommendations	Recommendation following AIA	Root Protection Area - Radius in M
45	Fagus sylvatica	M	250	MS	8	2.5	3.5	3.5	3.5	3.5	U	<10	Poor shape & form. Multiple stems at ground level. Branches restricting highway light. Unsuitable for long term retention.	Remove tree and grind out stump.	Remove tree and grind out stump.	3
46	Tilia platyphyllos	M	600	1	17	3	4.5	4.5	4.5	4.5	A1	40+	Suckers around stem base. Unable to inspect stem due to undergrowth.	Remove ground suckers (shoots). Inspect stem/basal area.	Remove ground suckers (shoots). Inspect stem/basal area.	7.2
47	Fagus sylvatica	M	280	1	8	2.5	3	3	3	3	C2	40+	Group of 3 beech trees adjacent to boundary fence. Poor shape and form throughout group. Larger specimen in group is now starting to damage the boundary fence through incremental stem growth.	Remove all 3 trees within group and poison stumps.	Unaffected directly. Install TPZ as shown on TPP. Implement preliminary management recommendation	3.4
48	Tilia platyphyllos	M	600	1	17	3	4.5	4.5	4.5	4.5	A1	40+	Unable to inspect stem due to Suckers around base.	Remove ground suckers (shoots). Inspect stem/basal area.	Unaffected directly. Install TPZ as shown on TPP. Implement preliminary management recommendation	7.2

Tree Ref on plan	Latin Name	Age Class	Stem diameter in mm	Multi/single stem	Ht. in M	Lower crown height	Canopy Spread N	Canopy Spread E	Canopy Spread S	Canopy Spread W	Retention value	Remaining contrib. in years	Arboricultural comments	Preliminary Management Recommendations	Recommendation following AIA	Root Protection Area - Radius in M
49	Aesculus hippocastanum	M	700	1	23	3	7	7	7	7	A1	40+	Sings of previous branch failure. Tree located ouside survey bounday.		Unaffected directly. Install TPZ as shown on TPP. Implement preliminary management recommendation	8.4
50	Acer platanoides	M	400	1	21	3.5	3.5	3.5	3.5	3.5	C2	40+	Large branch leaning towards highway. Included bark present. Risk of failure onto highway.	Remove branch.	Unaffected directly. Install TPZ as shown on TPP. Implement preliminary management recommendation	4.8
51	Ulmus procera	M	290	1	16	3.5	5.5	1	2	2	C2	10+	Suupreessing adjacet highway trees. Unsuitable for long term retention.	Recommend removal.	Unaffected directly. Install TPZ as shown on TPP. Implement preliminary management recommendation	3.5
52	Ulmus procera	M	325	1	17	3.5	6	1.5	2.5	2.5	C2	10+	Suupreessing adjacet highway trees. Unsuitable for long term retention.	Recommend removal.	Unaffected directly. Install TPZ as shown on TPP. Implement preliminary management recommendation	3.9
53	Fraxinus excelsior	M	230	1	17.5	3.5	3	2	4.5	1.5	C2	40+	Spindly habit. Leaning East.		Unaffected directly. Install TPZ as shown on TPP.	2.8
54	Acer campestre	M	350	1	17.5	4	3.5	2	4.5	2.5	B2	40+	Poor shape & form. Included bark present in main fork.		Unaffected directly. Install TPZ as shown on TPP.	4.2
55	Fraxinus excelsior	M	350	2	18	4	3.5	3	5	2.5	B2	40+	Poor shape & form. Unable to inspect stem due to Ivy.	Sever Ivy. Inspect stem/basal area.	Unaffected directly. Install TPZ as shown on TPP. Implement preliminary management recommendation	4.2

Tree Ref on plan	Latin Name	Age Class	Stem diameter in mm	Multi/single stem	Ht. in M	Lower crown height	Canopy Spread N	Canopy Spread E	Canopy Spread S	Canopy Spread W	Retention value	Remaining contrib. in years	Arboricultural comments	Preliminary Management Recommendations	Recommendation following AIA	Root Protection Area - Radius in M
56	Acer platanoides	M	350	1	21.5	4	3.5	3.5	3.5	3.5	B2	40+	Minor bark damage to stem wound occlusion evident.		Unaffected directly. Install TPZ as shown on TPP.	4.2
57	Acer campestre	M	290	1	14	4	1.5	5	2.5	2.5	B2	40+	Poor shape & form. Crown distorted due to group pressure.		Unaffected directly. Install TPZ as shown on TPP.	3.5
58	Aesculus hippocastanum	M	800	1	20	2	6.5	6.5	6.5	6.5	A1	40+	Poor wound occlusion on stem.		Car parking and road acces and at base of tree to be no dig incorporating geo web and porous materials throughout SMA	9.6
59	Tilia platyphyllos	M	700	1	23	3	4	4	3.5	5.5	A1	40+			Car parking and road acces and at base of tree to be no dig incorporating geo web and porous materials throughout SMA	8.4
60	Tilia platyphyllos	M	700	1	23	3	4	4	5	5.5	A1	40+			Car parking and road acces and at base of tree to be no dig incorporating geo web and porous materials throughout SMA	8.4
61	Acer pseudoplatanus	M	700	1	23	3	4.5	5	6.5	7	A1	40+	Surface roots sustained bark damage.		Unaffected directly. Install TPZ as shown on TPP.	8.4
62	Aesculus hippocastanum	M	700	1	23	2.5	7	7	7	7	A1	40+	Surface roots sustained bark damage. Poor wound occlusion. Signs of previous branch failure. Decay evident.	Climbing inspection required.	Unaffected directly. Install TPZ as shown on TPP. Implement preliminary management recommendation	8.4

Tree Ref on plan	Latin Name	Age Class	Stem diameter in mm	Multi/single stem	Ht. in M	Lower crown height	Canopy Spread N	Canopy Spread E	Canopy Spread S	Canopy Spread W	Retention value	Remaining contrib. in years	Arboricultural comments	Preliminary Management Recommendations	Recommendation following AIA	Root Protection Area - Radius in M
63	Acer palmatum	M	150	1	2	0	1	1	1	1	A1	40+			Unaffected directly. Install TPZ as shown on TPP.	1.8
64	Fagus sylvatica	M	700	1	22	0	6	6	6	6	A1	40+	Grafted specimen.		Unaffected directly. Install TPZ as shown on TPP.	8.4
65	Fagus sylvatica	M	700	1	22	0	6	6	6	6	A1	40+	Exudation on stem. Major deadwood in crown. Grafted specimen.	Remove major deadwood.	Unaffected directly. Install TPZ as shown on TPP. Implement preliminary management recommendation	8.4
66	Crataegus monogyna	M	450	MS	8	2.5	3.5	3.5	3.5	3.5	B2	20+	Multiple stems at ground level.		Unaffected directly, install TPZ as shown on TPP	5.4
67	Fraxinus excelsior	M	290	1	9.5	2.5	3.5	3.5	3.5	3.5	A2	40+			Unaffected directly, install TPZ as shown on TPP	3.5
68	Fraxinus excelsior	M	290	1	9.5	2.5	3.5	3.5	3.5	3.5	A2	40+			Unaffected directly, install TPZ as shown on TPP	3.5
69	Prunus avium	M	290	1	9.5	2.5	3.5	3.5	3.5	3.5	A2	40+			Unaffected directly, install TPZ as shown on TPP	3.5
70	Prunus avium	M	290	1	9.5	2.5	3.5	3.5	3.5	3.5	A2	40+			Unaffected directly, install TPZ as shown on TPP	3.5
71	Prunus avium	M	270	1	6	2.5	2	2	2	2	U	<10	Basal damage to stem decay present.	Remove tree and root.	Unaffected directly, install TPZ as shown on TPP	3.2
72	Fraxinus excelsior	M	270	1	8	2.5	2.5	2.5	2.5	2.5	A2	40+			Unaffected directly, install TPZ as shown on TPP	3.2
73	Prunus avium	M	270	1	8	2.5	2.5	2.5	2.5	2.5	A2	40+			Unaffected directly, install TPZ as shown on TPP	3.2
74	Prunus avium	M	270	1	8	2.5	2.5	2.5	2.5	2.5	A2	40+			Unaffected directly, install TPZ as shown on TPP	3.2
75	Prunus avium	M	270	1	8	2.5	2.5	2.5	2.5	2.5	A2	40+			Unaffected directly, install TPZ as shown on TPP	3.2
76	Prunus avium	M	290	1	9	2.5	2.5	5	3	3	A2	40+			Unaffected directly, install TPZ as shown on TPP	3.5

Tree Ref on plan	Latin Name	Age Class	Stem diameter in mm	Multi/single stem	Ht. in M	Lower crown height	Canopy Spread N	Canopy Spread E	Canopy Spread S	Canopy Spread W	Retention value	Remaining contrib. in years	Arboricultural comments	Preliminary Management Recommendations	Recommendation following AIA	Root Protection Area - Radius in M
77	Fraxinus excelsior	M	290	1	9	2.5	3	3	3	3	A2	40+			Unaffected directly, install TPZ as shown on TPP	3.5
78	Cedrus deodora	M	325	1	10	2.5	3.5	3.5	3.5	3.5	A2	40+			Unaffected directly, install TPZ as shown on TPP	3.9
79	Acer pseudoplatanus	M	450	1	19	2.5	3	3	3	4	U	<10	Specimen is now in a stae of decline.Dieback visible in crown.	Remove tree and retain root.	Remove tree and retain root.	5.4
80	Acer pseudoplatanus	M	600	1	22.5	3	3.5	3	4.5	5	B2	40+			Unaffected directly, install TPZ as shown on TPP	7.2
81	Fraxinus excelsior	M	280	1	7	2	3.5	3.5	3.5	3.5	C2	<10	Poor overall structural condition.	No works required	Unaffected directly, install TPZ as shown on TPP	3.4
82	Norway Maple	Acer platanoides	Y	95	1	3.5	2	1	1	1	1	C1	Previously poorly pruned, central leader removed.		Lost for development, replace within landscape plan	1.1
83	Norway Maple	Acer platanoides	Y	110	1	3.5	2	1	1	1	1	C1	Previously poorly pruned, central leader removed.		Lost for development, replace within landscape plan	1.3
84	Norway Maple	Acer platanoides	Y	95	1	3.5	2	1	1	1	1	C1			Lost for development, replace within landscape plan	1.1
85	Norway Maple	Acer platanoides	Y	110	1	4	2	1	1	1	1	C1			Lost for development, replace within landscape plan	1.3
86	Norway Maple	Acer platanoides	Y	110	1	4	2	1	1	1	1	C1			Lost for development, replace within landscape plan	1.3
87	Norway Maple	Acer platanoides	Y	160	1	4	2	1	1	1	1	C1			Lost for development, replace within landscape plan	1.9

Tree Ref on plan	Latin Name	Age Class	Stem diameter in mm	Multi/single stem	Ht. in M	Lower crown height	Canopy Spread N	Canopy Spread E	Canopy Spread S	Canopy Spread W	Retention value	Remaining contrib. in years	Arboricultural comments	Preliminary Management Recommendations	Recommendation following AIA	Root Protection Area - Radius in M
88	Locust Tree	Robinia pseudoacacia	M	450	1	12	2	5.5	4.5	6	4.5	B1	Minor deadwood throughout canopy, signs of previous branch failure.		Unaffected directly, install TPZ as shown on TPP	5.4
89	Norway Maple	Acer platanoides	M	240	1	12	2	4	4	4	4	B1			Unaffected directly, install TPZ as shown on TPP	2.9
90	Norway Maple	Acer platanoides	M	710	1	12	4	4	5	4	6	B1			Unaffected directly, install TPZ as shown on TPP	8.5
91	Common Lime	Tilia X europaea	M	760	1	18	2.5	5	5	7.5	6	B1			Unaffected directly, install TPZ as shown on TPP	9.1
92	Common Lime	Tilia X europaea	M	760	1	18	3	6.5	7	7	6	B1	Major deadwood over car park, high risk of failure.	Remove major deadwood.	Unaffected directly, install TPZ as shown on TPP	9.1
93	Common Lime	Tilia X europaea	M	760	1	14	3	6	4	5	4.5	B1	Major deadwood throughout canopy.	Remove major deadwood.	Unaffected directly, install TPZ as shown on TPP	9.1
94	Hawthorn	Crataegus monogyna	M	360	1	6	2.5	3	3	2.5	3	B1			Unaffected directly, install TPZ as shown on TPP	4.3
95	Silver Birch	Betula pendula	M	240	1	7	2.5	2.5	2	2	3	B1			Unaffected directly, install TPZ as shown on TPP	2.9
96	Rowan	Sorbus aucuparia	M	190	1	4	2	1	1	1	1	C1	Previously poorly pruned.	Remove major deadwood.	Unaffected directly, install TPZ as shown on TPP	2.3
97	Cherry	Prunus kanzan	SM	150	1	3.5	2	1.5	1.5	1.5	1.5	C1	Unable to inspect stem due to Ivy.	Remove major deadwood.	Remove for developmant and replace within landscape plan	1.8
98	Hornbeam	Carpinus betulus	SM	130	1	4	1	1	1	1	1	C1		Remove major deadwood.	Unaffected directly, install TPZ as shown on TPP	1.6
99	Hornbeam	Carpinus betulus	SM	130	1	4	1	1	1	1	1	C1		Remove major deadwood.	Lost for footpath development	1.6

Tree Ref on plan	Latin Name	Age Class	Stem diameter in mm	Multi/single stem	Ht. in M	Lower crown height	Canopy Spread N	Canopy Spread E	Canopy Spread S	Canopy Spread W	Retention value	Remaining contrib. in years	Arboricultural comments	Preliminary Management Recommendations	Recommendation following AIA	Root Protection Area - Radius in M
G1	Tilia X europaea, Prunus avium	Y	200	1	6	0	3	3	3	3	C2	20+	Young planted trees of reasonable form	No works required	Lost for development, replace within landscape plan	2.4
G2	Pinus sylvestris, Fraxinus excelsior, Tilia X europaea	Y	200	1	7.5	0	2.5	2.5	2.5	2.5	C2	20+	Young tree species of low arboricultural merit, new plantings.	Consider removal and replacement	2no trees retained. SMA applies therefore no dig in SMA, refer to AIA. Install TPZ as shown on TPP	2.4
G3	Acer pseudoplatanus, Malus, Pinus sylvestris	Y	150	1	6	0	1.5	1.5	1.5	1.5	C2	10+	Young tree species of low arboricultural merit.	Consider removal and replacement	Lost for development, replace within landscape plan	1.8
G4	Fagus sylvatica	M	260	1	17.5	0	4	4	4	4	B2	10+	Part of group shelter and wider woodland	No works required	Lost 1no. Trees for development replace wtihin landscape plan. SMA applies therefore no dig construction in SMA. Install TPZ as shown on TPP	3.1
G5	Pinus sylvestris, Fraxinus excelsior, Acer platanoides	EM	325	1	10	0	4	4	4	4	C2	20+	Young tree species of low arboricultural merit.	Consider removal and replacement. Possible Pinus *spp* retention	4 trees lost for development	3.9
G6	Pinus sylvestris	EM	325	1	10	0	4	4	4	4	C2	20+	Young trees in prominent position, reasonablle form	No works required	Retain and protect	3.9
G7	Acer platanoides	EM	250	1	10.5	0	4	4	4	4	C2	20+	Young tree species of low arboricultural merit.	Consider removal and replacement	Lost for development, replace within landscape plan	3
G8	Prunus avium, Tilia X europaea	EM	240	1	8.5	0	4	4	4	4	C2	20+	Young tree species, prunus have pseudomonus.	Consider removal and replacement	Lost 3 for development, retain one tree as shown on plan	2.9

Tree Ref on plan	Latin Name	Age Class	Stem diameter in mm	Multi/single stem	Ht. in M	Lower crown height	Canopy Spread N	Canopy Spread E	Canopy Spread S	Canopy Spread W	Retention value	Remaining contrib. in years	Arboricultural comments	Preliminary Management Recommendations	Recommendation following AIA	Root Protection Area - Radius in M
G9	Tsuga canadensis, X Cupressocyparis leylandii, Sorbus aria, Catalpa bignonioides, Pinus nigra 'maritima'	Y	190	1	6.5	0	2	2	2	2	C2	10+	Young tree species of low arboricultural merit.	Consider removal and replacement	Unaffecetd install TPZ as shown on TPP	2.3
G10	Fagus sylvatica, Prunus avium, Acer platanoides	Y	200	1	9.5	0	2.5	2.5	2.5	2.5	C2	20+	Young tree species of low arboricultural merit.	Consider removal and replacement	Unaffecetd install TPZ as shown on TPP	2.4
G11	Acer pseudoplatanus	OM	700	1	20	0	7	7	7	7	U	<10	Low vitality. Declining. Tree located within hard surface area. Dieback in crown.	Remove tree and root.	Remove tree and root.	8.4
G12	Acer campestre and Ilex aquafolium	M	270	1	9	2.5	2.5	2.5	2.5	2.5	B2	40+	Natural regeneration. Poor form throughout group.		Unaffecetd install TPZ as shown on TPP	3
G13	Aesculus *spp* , Acer *spp*	EM	325	1	10	2	3.5	3.5	3.5	3.5	B2	40+	Tree grouping	No works required	Three lost for car park surface, replace within landscape plans	3.9