



103 Wern Road

BS5837:2012 Tree Survey 6th October 2022

Membership No: TE03654



Contents

1	<u>Introduction</u>	3
1.1	<u>Site Location</u>	3
1.2	<u>Instructions</u>	3
1.3	<u>Documents Provided</u>	3
1.4	<u>Scope of Report</u>	3
1.5	<u>Survey Methodology and Limitations</u>	4
1.6	<u>Planning Policy</u>	5
1.7	<u>Statutory Designations</u>	5
1.8	<u>Protected Wildlife</u>	5
2	<u>Site Analysis</u>	6
2.1	<u>Site Description</u>	6
2.2	<u>Proposed Works</u>	6
3	<u>The Trees</u>	7
4	<u>Treeworks Recommendations</u>	8
5	<u>Arboricultural Impact Assessment</u>	8
5.1	<u>Tree Constraints Plan</u>	8
5.2	<u>Arboricultural Impact Assessment</u>	8
5.3	<u>Tree Protection Plan</u>	9
	<u>Appendix</u>	10
I.	<u>Survey Data</u>	11-23
II.	<u>Site Plans</u>	24-26
III.	<u>Photographs</u>	27
IV.	<u>Qualifications</u>	28
V.	<u>Bibliography</u>	29



6th October 2022

103 Wern Road

Site Location: 103 Wern Road, Neath, Port Talbot, SA10 6DN	Report Reference: 10/22/WRN/V3
Client: Evans Banks Planning Ltd	Date of Report: 6 th October 2022 Date of Site Visits: 23 rd August 2022
Report Prepared By: Liz Phillips	Survey Carried Out By: Liz Phillips

RTAC, 6 COURTYARD FLATS, STABLE YARD, STACKPOLE, PEMBROKESHIRE, SA71 5DE

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1. Introduction

1.1 Site Location

1.1.1 Site Address: 103 Wern Road, Skewen, Neath, Port Talbot, SA10 6DN.

1.1.2 Ordnance Survey grid reference: SS725971.

1.2 Instructions

1.2.1 RTAC has been instructed to produce a tree survey in compliance with BS5837:2012 'Trees in Relation to Design, Demolition and Construction - Recommendations' to inform a proposed development at 103 Wern Road. The instruction was given by Jason Evans, Evans Banks Planning Ltd.

1.3 Documents Provided

1.3.1

Document Description	Reference Number	Produced By	Date
Proposed Site Plan 1:200	1779-01	DR Design Architectural Services	May '22
Existing & Proposed Block and Location Plans 1:500 & 1:1250	1779-02	DR Design Architectural Services	May '22
Site Photos		Evans Banks Planning Ltd	
103 Wern Road Skewen Topographic Survey 1:200@A1		DLG Survey	
Amended Proposed Site Plan 1:200		DR Design Architectural Services	Sept '22

1.3.2 No independent verification or assessment of these documents has been made by RTAC. The amended Proposed Site Plan has been used to form the basis of the plans in this report.

1.4 Scope of Report

1.4.1 The purpose of this report is to survey the trees within the curtilage of 103 Wern Road. Trees in adjoining properties will be protected by the existing property boundaries and will not be affected by the proposed development.

1.4.2 This report is concerned with the arboricultural features of the site only and including any physical features which directly affect or are affected by the trees.

1.4.3 This survey is a record of the condition of the trees at the time of the survey being carried out, notwithstanding this, the purpose of this survey is to assess the trees in accordance with BS5837:2012 Trees in Relation to Design, Demolition and Construction – Recommendations and with respect to the proposed development and the survey is not intended to be a full tree condition or hazard survey.

1.5 Survey Methodology and Limitations

1.5.1 The survey was carried out on Tuesday 23rd August 2022, the weather was dry and sunny, and visibility was good.

1.5.2 The heights and crown spreads of all trees have been measured with an SNDWAY SW-1000A Laser Distance Meter Telescope; only crown spreads over the site have been measured accurately, crown spreads over the road or adjoining properties have been estimated. Stem diameters of all accessible trees recorded were measured at 1.5 metres above ground level with a diameter tape; the stem diameters of inaccessible trees have been estimated. Recorded trees have been tagged with two-inch diameter round aluminium tree tags numbered from 0054 to 0107 inclusive.

1.5.3 Tree locations were plotted using a 50-metre measuring tape.

1.5.4 No vegetation has been removed to inspect trees and where trees are not visible or accessible because of vegetation, fences, ditches or other obstructions a limited assessment has been carried out.

1.5.5 Observations were made using Visual Tree Assessment (VTA) methodology (Mattheck 1994). The data was recorded using Pear Technology Pocket GIS on a Panasonic Toughpad FZ-G1.

1.5.6 This survey was undertaken in accordance with BS5837:2012 Trees in Relation to Design, Demolition and Construction – Recommendations.

1.5.7 The trees have been categorised in accordance with the British Standard 5837:2012 Trees in Relation to Design, Demolition and Construction – Recommendations as listed below:

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

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

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

These categories are subdivided into 1. Arboricultural qualities, 2. Landscape qualities and 3. Cultural values, including conservation.

Trees not suitable for retention have been categorised as U.

See Appendix I for table of categories.

1.5.8 All observations were made from the ground. No climbing surveys were carried out.

1.5.9 No soil samples were taken.

1.5.10 No invasive decay detection techniques have been used.

1.5.11 This report is valid for one year from the date of inspection. Trees are living organisms and no responsibility can be accepted by the surveyor for the failure of a tree or part of a tree due to adverse weather conditions, *force majeure* or other unpredictable occurrences. It is the responsibility of the tree owner to inspect and maintain his or her trees on a regular basis.

1.5.12 The tree survey was carried out by Liz Phillips TechArborA of RTAC. Liz has worked in the arboricultural industry for 18 years as a tree surgeon, surveyor, local authority tree officer and consultant.

1.6 Planning Policy

1.6.1 Planning Policy Wales Edition 10 December 2018 Chapter 6: Distinctive and Natural Places contains the following policies:

6.4.25 Planning authorities should protect trees, hedgerows, groups of trees and areas of woodland where they have ecological value, contribute to the character or amenity of a particular locality, or perform a beneficial and identified green infrastructure function. Planning authorities should consider the importance of native woodland and valued trees, and should have regard, where appropriate, to local authority tree strategies or SPG. Permanent removal of woodland should only be permitted where it would achieve significant and clearly defined public benefits. Where woodland or trees are removed as part of a proposed scheme, developers will be expected to provide compensatory planting.

1.6.2 Neath Port Talbot County Borough Council's Local Development Plan (2011-2016) adopted January 2016 contains the following policy:

Policy EN 7 Important Natural Features

Development proposals that would adversely affect ecologically or visually important natural features such as trees, woodlands, hedgerows / field boundaries, watercourses or ponds will only be permitted where:

- 1. Full account has been taken of the relevant features in the design of the development, with measures put in place to ensure that they are retained and protected wherever possible; or*
- 2. The biodiversity value and role of the relevant feature has been taken into account and where removal is unavoidable, mitigation measures are agreed.*

1.7 Statutory Designations

1.7.1 Neath Port Talbot County Borough Council's Planning Department has confirmed that there are no Tree Preservation Orders affecting this site.

1.8 Protected Wildlife

1.8.1 Before any treeworks are carried out, the trees should be inspected for any evidence of bats or nesting birds.

1.8.2 It is an offence under the Wildlife and Countryside Act 1981 to intentionally:

- kill, injure or take any wild bird;
- take, damage or destroy the nest of a wild bird included in Schedule ZA1;
- take, damage or destroy the nest of any wild bird while that nest is in use or being built; or
- take or destroy an egg of any wild bird,

1.8.3 It is also an offence to:

- deliberately capture, injure or kill a bat;
- damage or destroy any structure or place which any bat uses for shelter or protection;
- disturb any bat while it is occupying a structure or place which it uses for shelter or protection; or
- obstruct access to any structure or place which any bat uses for shelter or protection.

2. Site Analysis

2.1 Site Description

2.1.1 103 Wern Road is a large detached residential property set in tree-lined grounds. The plot measures approximately 0.4 hectares and contains several mature trees.

2.2 Proposed Works

2.2.1 Two detached residential properties will be built on the rear half of the plot. The new properties will be accessed via the existing but currently disused drive running parallel to the eastern site boundary.

3. The Trees

3.1 The front garden of the property contains several mature and semi-mature predominantly broadleaf species trees. The rear garden of the property is bordered to the south and west by rows of semi-mature pollarded sycamores (*Acer pseudoplatanus*).

3.2 Fifty-four individual trees were recorded during this survey; the tables of species, age class and retention category are below:

3.3 Tree Species

Common Name	Botanical Name	Number of Trees
Sycamore	<i>Acer pseudoplatanus</i>	28
Common lime	<i>Tilia europaea</i>	6
Horse chestnut	<i>Aesculus hippocastanum</i>	3
Lawson cypress	<i>Chamaecyparis lawsoniana</i>	3
Common holly	<i>Ilex aquifolium</i>	2
Japanese maple	<i>Acer palmatum</i>	2
Norway maple	<i>Acer platanoides</i>	2
Common beech	<i>Fagus sylvatica</i>	1
Griselinia	<i>Griselinia littoralis</i>	1
Cider gum	<i>Eucalyptus gunnii</i>	1
Monkey puzzle	<i>Araucaria araucana</i>	1
Holm oak	<i>Quercus ilex</i>	1
Corsican pine	<i>Pinus nigra var. maritima</i>	1
Wellingtonia	<i>Sequoiadendron giganteum</i>	1
Common yew	<i>Taxus baccata</i>	1

3.4 Age Classes

Age Class	Number of Trees
Young	2
Semi-mature	46
Mature	6
Over Mature	0

3.5 Retention Category

Retention Category	Number of Trees
A	7
B	23
C	19
U	5

4 Treeworks Recommendations

4.1

Tree Number	Species	Work Required	Priority
T94/ T104	Sycamore	Fell	6 Months
T54 T55	Japanese maple Griselinia	Cut back from building	6 Months
T61/ T64/ T68	Lime	Remove epicormic growth	6 Months

4.2 All treeworks must be carried out in accordance with BS3998:2010 Recommendations for Treeworks.

5 Arboricultural Impact Assessment

5.1 Tree Constraints Plan

5.1.1 All site plans are in Appendix II.

5.1.2 Above Ground Constraints - current crown spread is marked on the Tree Constraints Plan (TCP). This does not indicate the ultimate crown spread of the individual trees.

5.1.3 Below Ground Constraints – the root protection area (RPA) is a circle of radius 12 x the diameter of the stem of the tree measured at 1.5 metres above ground level. For a multi-stemmed tree, the RPA is calculated using the following formula:

$$\sqrt{(\text{mean stem diameter})^2 \times \text{number of stems}}$$

5.1.4 The RPA is usually depicted as a complete circle; however, this area can be altered in shape to reflect compromised growing conditions such as the presence of buildings, watercourses, etc. In this case, all the trees at the front of the property apart from T69 have had their RPAs amended to reflect the proximity of Wern Road and the existing site layout.

5.2 Arboricultural Impact Assessment

5.2.1 No trees will need to be removed to facilitate the development.

5.2.2 Two sycamore in poor condition need to be removed prior to construction. The sycamores around the boundaries of the construction plot have been pollarded at approximately 7 metres previously and can be re-pollarded if required.

5.2.3 The proposed build will not have an adverse effect on the retained trees and the site can be accessed by construction vehicles via the existing drives and without any adverse effect on the trees at the front of the property.

5.3 Tree Protection Plan

5.3.1 The Tree Protection Plan is in Appendix II.

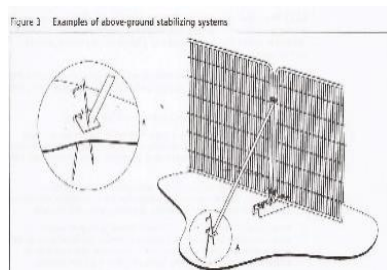
5.3.2 All treeworks must be carried out prior to the commencement of construction works.

5.3.3 Heras fencing as shown below will be erected in the locations marked on the Tree Protection Plan in Appendix II.

5.3.4 The fenced off area will be designated as the construction exclusion zone (CEZ). All fencing must be in place before construction works begin and must not be moved or removed until all construction works have finished.

5.3.5 Works within the CEZ are restricted as follows:

- No excavations to be carried out unless agreed as part of the planning permission.
- No vehicle access.
- No fires to be lit within the CEZ or within 10 metres of the crown of a tree to be retained.
- No storage of construction materials or spoil within the CEZ.
- No mixing of cement or discharge of contaminants such as fuel within the CEZ.
- Soil levels within the CEZ must not be altered unless agreed as part of the planning permission.
- No signs or lighting to be attached to trees to be retained.



Tree Protection Fencing



Tree Protection Signage



6th October 2022

103 Wern Road

APPENDIX

I. Survey Data

Terms used in data tables

BS5837 Survey

Tag No – corresponds to numbered metal tag attached to tree.

Species – common and Latin names are given.

Height - measured with a Suunto PM5/360 clinometer to the nearest metre unless otherwise stated.

Stem diameter - measured at 1.5 metres above ground level with a dbh (diameter at breast height) tape.

Crown spread - measured at the cardinal points to 0.5 metres.

Clear - the lowest height of the crown above ground measured in metres.

Age - NP – newly planted; Y – young, a tree in the first third of life expectancy; SM – semi-mature, a tree in the second half of life expectancy; M – mature, tree in final third of life expectancy; OM – over-mature, tree in decline; V – veteran, tree with major physiological decline, surviving beyond the typical age range for the species.

RP – root protection area; radius and area of circle.

Phys. Condition - physiological condition; poor, fair, good, dead or dangerous.

Structural condition - crown, stem and basal area.

Preliminary recommendations - recommendations for remedial works.

Cat - retention category as defined in BS5837:2012 A, B, C and U.

Table 1 Cascade chart for tree quality assessment

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

BS5837:2012 Tree Survey

RTAC

Client: Evans Banks Planning Ltd
 Project: 103 Wern Road
 Survey Date: 23/08/2022 - 26/08/2022
 Surveyor: Liz Phillips



6 Courtyard Flats
 Stable Yard
 Stackpole
 Pembrokeshire
 SA71 5DE
 Phone: 07823332279

Tree and Tag No Species		Hght (m)	Stems		Crown		Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations			Cat ERC
			No	Ø (mm)	Spread (m)	Clear (m)					Survey Comment			
T54 54														
Smooth Japanese Maple <i>Acer palmatum</i>		6	3	316 (Eq)	N E S W	3 3 3 4	2 2 3 3	M A: 45.2 R: 3.79	Good	C: Good S: Good B: Good	Prune :: From buildings/structure/tree by 1.0m			C.2 20 to 40 yrs
T55 55														
Griselinia <i>Griselinia Griselinia littoralis</i>		6	2	524 (Eq)	N E S W	4 5 6 6	3 4 3 2	M A: 124.2 R: 6.28	Good	C: Good S: Good B: Good	Prune :: From buildings/structure/tree by 1.0m			B.2 >40 yrs
T56 56														
Smooth Japanese Maple <i>Acer palmatum</i>		6	4	234 (Eq)	N E S W	2 2 3 4	3 2 2 3	SM A: 24.8 R: 2.8	Good	C: Fair S: Good B: Good	No action :: Unspecified Suppressed; asymmetrical crown.			C.2 10 to 20 yrs
T57 57														
Common Horse Chestnut <i>Aesculus hippocastanum</i>		7	1	840	N E S W	2 2 1 1	4 4 4 4	M A: 319.2 R: 10.07	Fair	C: Fair S: Good B: Good	No action :: Unspecified Pollarded at 6m; horsechestnut leaf miner (Cameraria ohridella).			C.2 10 to 20 yrs
Age Classifications:		N Y SM	Newly planted Young Semi-mature	EM M OM	Early Mature Mature Over Mature	Condition:		C S B	Crown Stem Basal area	Stems:		Ø (Eq)	Diameter Equivalent stem diameter using BS5837:2012 definition	ERC: Estimated Remaining Contributio

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations		Cat ERC
		No	Ø (mm)	Spread (m)	Clear (m)					Survey Comment		
T58 58												
Norway Maple <i>Acer platanoides</i>	8	1	520	N	3	5	SM	A: 122.3 R: 6.23	Fair	C: Fair S: Good B: Good	No action :: Unspecified Pollarded at 8m.	C.2 >40 yrs
T59 59												
Common Yew <i>Taxus baccata</i>	7	5	651 (Eq)	N	6	2	SM	A: 191.6 R: 7.8	Good	C: Good S: Good B: Good	No action :: Unspecified Asymmetrical crown; pruning stubs east side of crown.	B.2 >40 yrs
T60 60												
Norway Maple <i>Acer platanoides</i>	16	2	714 (Eq)	N	2	5	SM	A: 231 R: 8.57	Fair	C: Poor S: Good B: Good	No action :: Unspecified Pollarded at 10m; minor dieback east side of crown; pruned over drive, asymmetrical crown.	C.2 10 to 20 yrs
T61 61												
Common Lime <i>Tilia europaea</i>	16	1	400	N	3	3	SM	A: 72.4 R: 4.8	Good	C: Good S: Fair B: Good	Remove :: Epicormic growths Weak fork at stem break.	B.2 >40 yrs
T62 62												
Sycamore <i>Acer pseudoplatanus</i>	7	1	400	N	2	4	SM	A: 72.4 R: 4.8	Fair	C: Fair S: Good B: Good	No action :: Unspecified Pollarded at 6m, horsechestnut leaf miner (Cameraria ohridella).	C.2 10 to 20 yrs
T63 63												
Common Beech <i>Fagus sylvatica</i>	16	1	680	N	10	3	SM	A: 209.2 R: 8.16	Good	C: Fair S: Good B: Good	No action :: Unspecified Asymmetrical crown.	B.2 >40 yrs
Age Classifications: N Newly planted EM Early Mature Y Young M Mature SM Semi-mature OM Over Mature Condition: C Crown S Stem B Basal area Stems: Ø Diameter (Eq) Equivalent stem diameter using BS5837:2012 definition ERC: Estimated Remaining Contributio												

Tree and Tag No Species		Hght (m)	Stems		Crown		Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations			Cat ERC
			No	Ø (mm)	Spread (m)	Clear (m)					Survey Comment			
T64 64														
Common Lime <i>Tilia europaea</i>		16	1	580	N E S W	8 3 5 3	2 3 3 4	SM A: 152.2 R: 6.96	Good	C: Good S: Good B: Good	Remove :: Epicormic growths Pollarded at 12m.			B.2 >40 yrs
T65 65														
Cider Gum <i>Eucalyptus gunnii</i>		7	1	140	N E S W	1 0 2 5	5 4 4 5	Y A: 8.9 R: 1.68	Good	C: Poor S: Poor B: Good	No action :: Unspecified Asymmetrical crown; pronounced lean to west.			U
T66 66														
Common Lime <i>Tilia europaea</i>		16	1	660	N E S W	6 3 9 5	6 4 3 3	SM A: 197.1 R: 7.92	Good	C: Good S: Good B: Good	No action :: Unspecified Asymmetrical crown.			B.2 >40 yrs
T67 67														
Sycamore <i>Acer pseudoplatanus</i>		12	1	250	N E S W	5 1.5 2 3	4 2 6 2	SM A: 28.3 R: 3	Good	C: Fair S: Good B: Good	No action :: Unspecified Asymmetrical crown.			C.2 >40 yrs
T68 68														
Common Lime <i>Tilia europaea</i>		20	1	720	N E S W	4 5 6 8	4 6 8 12	M A: 234.5 R: 8.63	Good	C: Good S: Good B: Good	Remove :: Epicormic growths Pollarded at 12m; remove epicormic up to stem break.			A.2 >40 yrs
T69 69														
Nootka Cypress <i>Chamaecyparis nootkatensis</i>		17	4	634 (Eq)	N E S W	3 4 3 3	9 3 4 6	M A: 181.8 R: 7.6	Good	C: Fair S: Good B: Good	No action :: Unspecified Asymmetrical crown; base covered with ivy.			A.2 >40 yrs
Age Classifications: N Newly planted EM Early Mature Y Young M Mature SM Semi-mature OM Over Mature Condition: C Crown S Stem B Basal area Stems: Ø Diameter (Eq) Equivalent stem diameter using BS5837:2012 definition ERC: Estimated Remaining Contributio														

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations		Cat ERC
		No	Ø (mm)	Spread (m)	Clear (m)					Survey Comment		
T70 70												
Common Horse Chestnut <i>Aesculus hippocastanum</i>	17	1	600	N E S W	6 5 7 5	6 4 4 4	SM A: 162.9 R: 7.2	Fair	C: Fair S: Good B: Good	No action :: Unspecified Pollarded at 8m; sparse crown.	C.2 20 to 40 yrs	
T71 71												
Sycamore <i>Acer pseudoplatanus</i>	16	1	520	N E S W	6 3 4 3	5 8 8 5	SM A: 122.3 R: 6.23	Poor	C: Poor S: Good B: Good	No action :: Unspecified Pollarded at 9m.	C.2 10 to 20 yrs	
T72 72												
Corsican Pine <i>Pinus nigra var.maritima</i>	19	1	870	N E S W	6 7 7 8	7 9 9 8	M A: 342.5 R: 10.44	Good	C: Good S: Good B: Good	No action :: Unspecified Minor deadwood in crown.	A.2 >40 yrs	
T73 73												
Holm Oak <i>Quercus ilex</i>	16	2	622 (Eq)	N E S W	4 3 3 6	5 9 7 5	SM A: 175.3 R: 7.46	Good	C: Good S: Good B: Good	No action :: Unspecified	B.2 >40 yrs	
T74 74												
Common Lime <i>Tilia europaea</i>	21	1	690	N E S W	3 4 7 6	6 9 7 6	SM A: 215.4 R: 8.28	Good	C: Good S: Good B: Good	No action :: Unspecified	A.2 >40 yrs	
T75 75												
Common Holly <i>Ilex aquifolium</i>	7	1	260	N E S W	2 1 1 2	3 4 4 5	SM A: 30.6 R: 3.12	Poor	C: Poor S: Poor B: Good	No action :: Unspecified Suppressed; leaning to east; sparse crown.	U	
Age Classifications:	N Y SM	Newly planted Young Semi-mature	EM M OM	Early Mature Mature Over Mature	Condition:		C S B	Crown Stem Basal area	Stems:	Ø Diameter (Eq) Equivalent stem diameter using BS5837:2012 definition	ERC:	Estimated Remaining Contributio

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations		Cat ERC
		No	Ø (mm)	Spread (m)	Clear (m)					Survey Comment		
T76 76												
Common Holly <i>Ilex aquifolium</i>	6	1	150	N E S W	2 2 2 1	6 4 2 3	Y A: 10.2 R: 1.8	Poor	C: Poor S: Poor B: Good	No action :: Unspecified ----- Suppressed; leaning to east; very sparse crown.	U	
T77 77												
Monkey Puzzle Tree <i>Araucaria araucana</i>	16	1	560	N E S W	5 5 4 4	10 10 10 10	SM A: 141.9 R: 6.72	Good	C: Good S: Good B: Good	No action :: Unspecified -----	A.2 >40 yrs	
T78 78												
Common Lime <i>Tilia europaea</i>	19	1	670	N E S W	7 4 7 6	3 11 6 6	SM A: 203.1 R: 8.04	Good	C: Good S: Good B: Good	No action :: Unspecified -----	A.2 >40 yrs	
T79 79												
Lawson Cypress <i>Chamaecyparis lawsoniana</i>	6	1	220	N E S W	1.5 1.5 1 1	1.5 1.5 1.5 1.5	SM A: 21.9 R: 2.64	Good	C: Good S: Good B: Good	No action :: Unspecified -----	C.2 >40 yrs	
T80 80												
Lawson Cypress/Chamaecyparis <i>Chamaecyparis Spp.</i>	12	1	400	N E S W	1 2 1.5 2	2 1.5 2 3	SM A: 72.4 R: 4.8	Good	C: Good S: Good B: Good	No action :: Unspecified -----	C.2 >40 yrs	
T81 81												
Wellingtonia <i>Sequoiadendron giganteum</i>	22	1	1250	N E S W	6 6 6 4	3 1.5 2 8	SM A: 706.9 R: 15	Good	C: Good S: Good B: Good	No action :: Unspecified -----	A.2 >40 yrs	
Age Classifications:	N Y SM	Newly planted Young Semi-mature	EM M OM	Early Mature Mature Over Mature	Condition:		C S B	Crown Stem Basal area	Stems:	Ø Diameter (Eq) Equivalent stem diameter using BS5837:2012 definition	ERC:	Estimated Remaining Contributio

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m ²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations		Cat ERC
		No	Ø (mm)	Spread (m)	Clear (m)					Survey Comment		
T82 82												
Common Horse Chestnut <i>Aesculus hippocastanum</i>	14	1	400	N E S W	2 2 2 1	5 4 4 4	SM A: 72.4 R: 4.8	Fair	C: Fair S: Good B: Good	No action :: Unspecified Suppressed; asymmetrical crown; base obscured by vegetation.	C.2 20 to 40 yrs	
T83 83												
Sycamore <i>Acer pseudoplatanus</i>	16	2	626 (Eq)	N E S W	4 6 3 5	5 4 3 4	SM A: 177.5 R: 7.51	Good	C: Good S: Fair B: Good	No action :: Unspecified Weak fork at stem break - bifurcated at 1m.	B.2 20 to 40 yrs	
T84 84												
Sycamore <i>Acer pseudoplatanus</i>	16	1	490	N E S W	2 6 2	10 8 11 8	SM A: 108.6 R: 5.87	Good	C: Good S: Good B: Good	No action :: Unspecified Pollarded to 7m.	B.2 >40 yrs	
T85 85												
Sycamore <i>Acer pseudoplatanus</i>	16	1	630	N E S W	2 4 2 4	6 6 5 8	SM A: 179.6 R: 7.56	Good	C: Good S: Good B: Good	No action :: Unspecified Pollarded at 7m.	B.2 >40 yrs	
T86 86												
Sycamore <i>Acer pseudoplatanus</i>	16	1	540	N E S W	1 4 2 5	8 11 7 6	SM A: 131.9 R: 6.47	Good	C: Good S: Good B: Good	No action :: Unspecified Pollarded at 3m and 6m.	B.2 >40 yrs	
T87 87												
Sycamore <i>Acer pseudoplatanus</i>	16	1	360	N E S W	2 4 1 3	10 11 12 12	SM A: 58.6 R: 4.31	Good	C: Good S: Good B: Good	No action :: Unspecified	C.2 20 to 40 yrs	
Age Classifications:	N Y SM	Newly planted Young Semi-mature	EM M OM	Early Mature Mature Over Mature	Condition:		C S B	Crown Stem Basal area	Stems:	Ø Diameter (Eq) Equivalent stem diameter using BS5837:2012 definition	ERC:	Estimated Remaining Contributio

Tree and Tag No Species		Hght (m)	Stems		Crown		Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations		Cat ERC	
			No	Ø (mm)	Spread (m)	Clear (m)					Survey Comment			
T88	88													
Sycamore		15	1	620	N	3	9	SM	A: 173.9	Good	C: Fair	No action :: Unspecified	B.2	
Acer pseudoplatanus					E	6	4		R: 7.44		S: Good		>40 yrs	
					S	3	8				B: Good	Pollarded at 7m; pruned on west side of crown.		
					W	4	9							
T89	89													
Sycamore		15	1	500	N	1	7	SM	A: 113.1	Fair	C: Fair	No action :: Unspecified	C.2	
Acer pseudoplatanus					E	2	7		R: 6		S: Good		>40 yrs	
					S	1	9				B: Good	Suppressed; pollarded at 7m.		
					W	1	9							
T90	90													
Sycamore		16	1	360	N	2	7	SM	A: 58.6	Good	C: Good	No action :: Unspecified	C.2	
Acer pseudoplatanus					E	2	8		R: 4.31		S: Good		>40 yrs	
					S	2	9				B: Good	Pollarded at 7m.		
					W	2	8							
T91	91													
Sycamore		17	1	590	N	3	6	SM	A: 157.5	Good	C: Good	No action :: Unspecified	B.2	
Acer pseudoplatanus					E	8	5		R: 7.08		S: Good		>40 yrs	
					S	2	7				B: Good	Minor deadwood in crown.		
					W	5	9							
T92	92													
Sycamore		17	1	770	N	3	7	SM	A: 268.3	Good	C: Good	No action :: Unspecified	B.1	
Acer pseudoplatanus					E	8	3		R: 9.24		S: Good		>40 yrs	
					S	2	9				B: Good			
					W	5	9							
T93	93													
Sycamore		17	1	400	N	2	10	SM	A: 72.4	Good	C: Good	No action :: Unspecified	B.2	
Acer pseudoplatanus					E	7	3		R: 4.8		S: Good		>40 yrs	
					S	2	4				B: Good	Pollarded at 7m.		
					W	4	6							
Age Classifications:		N Y SM	Newly planted Young Semi-mature	EM M OM	Early Mature Mature Over Mature	Condition:		C S B	Crown Stem Basal area	Stems:		Ø Diameter (Eq) Equivalent stem diameter using BS5837:2012 definition	ERC:	Estimated Remaining Contributio

Tree and Tag No Species		Hght (m)	Stems		Crown		Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations			Cat ERC
			No	Ø (mm)	Spread (m)	Clear (m)					Survey Comment			
T94	94													
Sycamore		17	1	250	N	2	11	SM	A: 28.3	Good	C: Good	Fell :: Fell to ground level		U
Acer pseudoplatanus					E	8	13		R: 3		S: Poor			
					S	4	10				B: Good	Large cavity from pruning wound north side.		
					W	5	13							
T95	95													
Sycamore		18	1	630	N	3	9	SM	A: 179.6	Good	C: Good	No action :: Unspecified		B.2
Acer pseudoplatanus					E	7	4		R: 7.56		S: Good			>40 yrs
					S	3	6				B: Good			
					W	6	9							
T96	96													
Sycamore		18	1	480	N	1	12	SM	A: 104.2	Good	C: Good	No action :: Unspecified		B.2
Acer pseudoplatanus					E	7	8		R: 5.75		S: Good			>40 yrs
					S	4	6				B: Good			
					W	4	6							
T97	97													
Sycamore		18	1	730	N	8	3	SM	A: 241.1	Good	C: Good	No action :: Unspecified		B.2
Acer pseudoplatanus					E	3	7		R: 8.76		S: Good			>40 yrs
					S	4	3				B: Good			
					W	6	4							
T98	98													
Sycamore		18	1	550	N	6	4	SM	A: 136.9	Good	C: Good	No action :: Unspecified		B.2
Acer pseudoplatanus					E	6	6		R: 6.6		S: Good			>40 yrs
					S	6	3				B: Good			
					W	2	9							
T99	99													
Sycamore		18	1	420	N	1	7	SM	A: 79.8	Fair	C: Fair	No action :: Unspecified		C.2
Acer pseudoplatanus					E	3	4		R: 5.03		S: Good			20 to 40 yrs
					S	6	3				B: Good	Suppressed.		
					W	1	8							
Age Classifications:		N Y SM	Newly planted Young Semi-mature	EM M OM	Early Mature Mature Over Mature	Condition:		C S B	Crown Stem Basal area	Stems:		Ø Diameter (Eq) Equivalent stem diameter using BS5837:2012 definition	ERC: Estimated Remaining Contributio	

Tree and Tag No Species		Hght (m)	Stems		Crown		Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations		Cat ERC
			No	Ø (mm)	Spread (m)	Clear (m)					Survey Comment		
T100 100													
Sycamore <i>Acer pseudoplatanus</i>		18	1	640	N E S W	6 4 8 3	6 8 3 10	SM A: 185.3 R: 7.68	Good	C: Good S: Good B: Good	No action :: Unspecified		B.2 >40 yrs
T101 101													
Sycamore <i>Acer pseudoplatanus</i>		18	1	620	N E S W	8 4 6 4	3 8 2 7	SM A: 173.9 R: 7.44	Good	C: Good S: Good B: Good	No action :: Unspecified		B.2 >40 yrs
T102 102													
Sycamore <i>Acer pseudoplatanus</i>		18	1	450	N E S W	3 5 4 3	7 7 4 8	SM A: 91.6 R: 5.39	Good	C: Good S: Fair B: Good	No action :: Unspecified Weak fork at stem break - bifurcated at 2m.		C.2 >40 yrs
T103 103											Estimated Measurements		
Sycamore <i>Acer pseudoplatanus</i>		18	1	490	N E S W	7 6 7 5	3 4 4 6	SM A: 108.6 R: 5.87	Good	C: Good S: Good B: Good	No action :: Unspecified		B.2 >40 yrs
T104 104													
Sycamore <i>Acer pseudoplatanus</i>		18	1	390	N E S W	5 3 2 2	3 5 3 6	SM A: 68.8 R: 4.67	Good	C: Good S: Poor B: Good	Fell :: Fell to ground level Large cavity north side of stem.		U
T105 105													
Sycamore <i>Acer pseudoplatanus</i>		18	1	490	N E S W	2 6 5 6	8 6 5 5	SM A: 108.6 R: 5.87	Good	C: Good S: Good B: Good	No action :: Unspecified Base of tree obscured by vegetation.		C.2 >40 yrs
Age Classifications:		N Y SM	Newly planted Young Semi-mature	EM M OM	Early Mature Mature Over Mature	Condition:		C S B	Crown Stem Basal area	Stems:		Ø Diameter (Eq) Equivalent stem diameter using BS5837:2012 definition	ERC: Estimated Remaining Contributio

Tree and Tag No Species		Hght (m)	Stems		Crown		Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations		Cat ERC
			No	Ø (mm)	Spread (m)	Clear (m)					Survey Comment		
T106 106													
Sycamore		18	1	460	N	6	3	SM	A: 95.7	Good	C: Good	No action :: Unspecified	C.2
Acer pseudoplatanus					E	5	6		R: 5.51		S: Good		>40 yrs
					S	3	7				B: Good		
					W	2	9						
T107 107													
Sycamore		17	1	760	N	3	10	SM	A: 261.3	Good	C: Good	No action :: Unspecified	B.2
Acer pseudoplatanus					E	4	10		R: 9.11		S: Good		>40 yrs
					S	4	9				B: Good	Lower canopy removed up to 8m.	
					W	6	10						

Report selection criteria.

Projects.

103 Wern Road

Date Range.

Any Date

Work types.

----> Fell :: Fell to ground level
 ----> No action :: Unspecified
 ----> Prune :: From buildings/structure/tree by 1.0m
 ----> Remove :: Epicormic growths

Latest Survey.

All surveys for the selected trees.
 ---> Last survey for each selected tree.

Work Completed.

---> Work Completed
 ---> Work Not Completed

Number of trees in selected Project(s) **54**

Number of trees in Report selection **54**

Age Classifications:

N	Newly planted	EM	Early Mature
Y	Young	M	Mature
SM	Semi-mature	OM	Over Mature

Condition:

C	Crown
S	Stem
B	Basal area

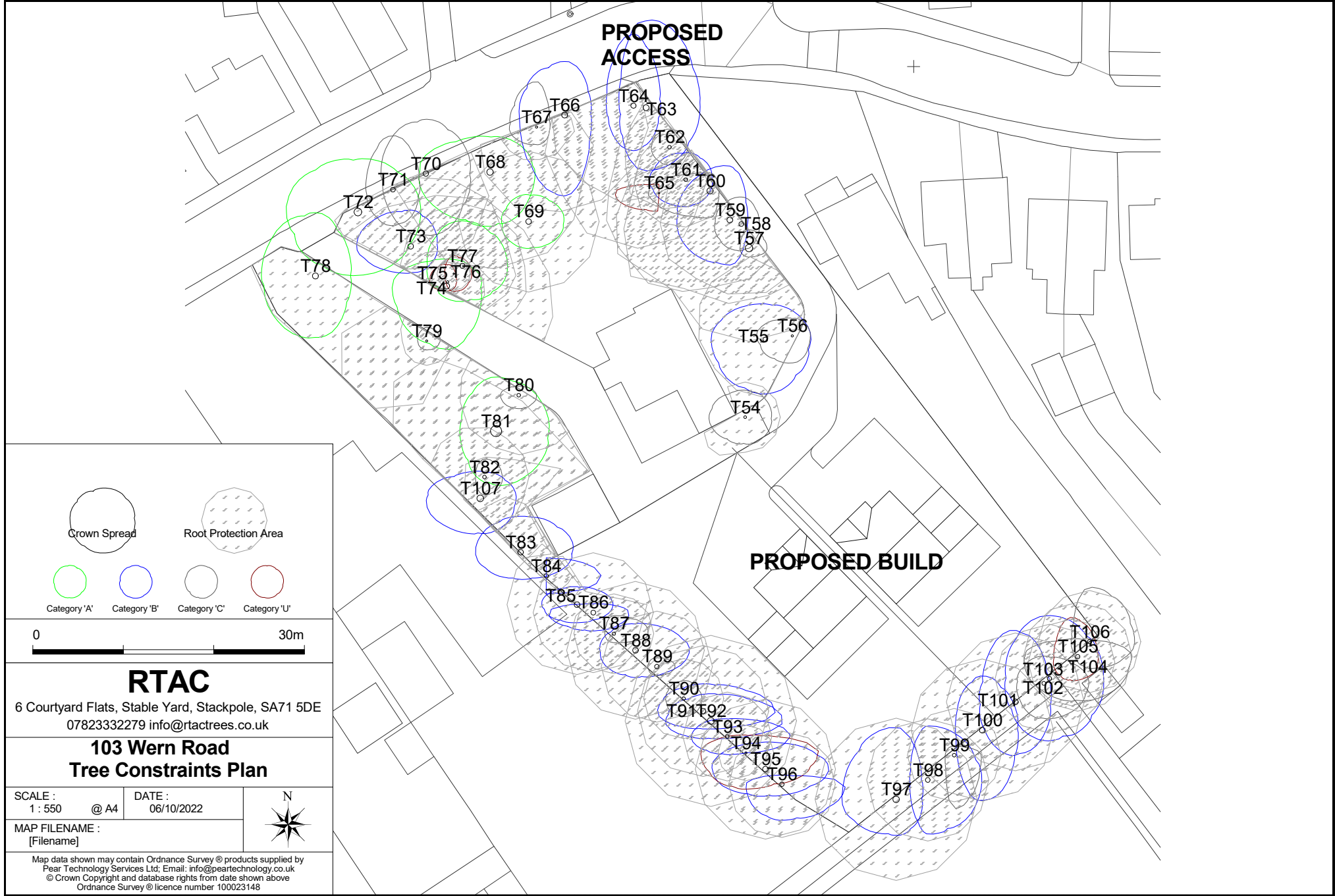
Stems: Ø Diameter
 (Eq) Equivalent stem diameter using BS5837:2012 definition
ERC: Estimated Remaining Contributio

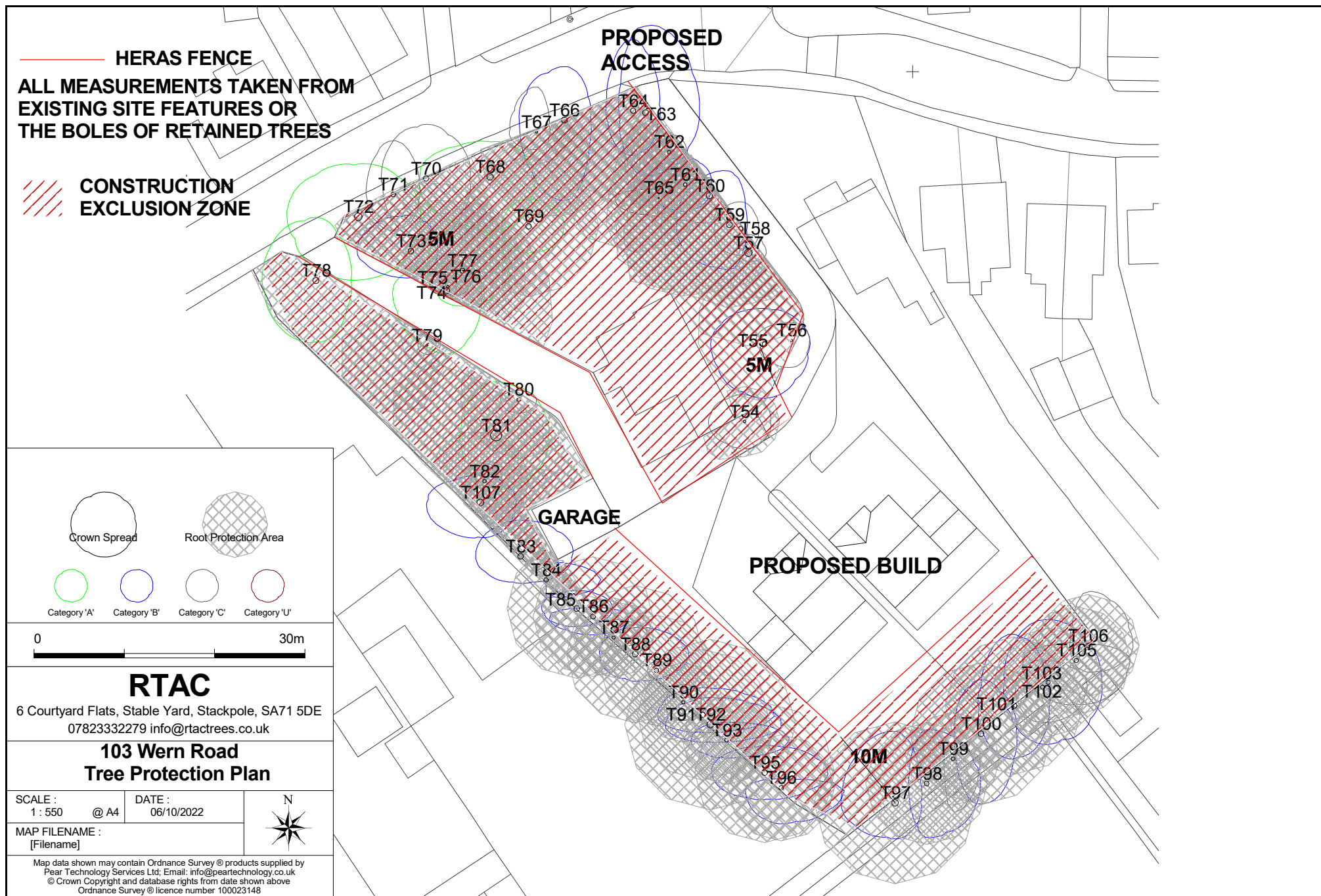


6th October 2022

103 Wern Road

II. Site Plans





III. Photographs



Proposed development site



Existing site entrance Proposed entrance



Development site west boundary



Existing property from development site



Proposed site entrance



T81



T104

IV. Qualifications

Qualifications:

AA Technicians Certificate 2009
BSc. Heritage Conservation 2ii
Electrical Arboriculture Units 1 and 2a
NVQ Level 2 Environmental Conservation
NPTC CS 30, 31, 39, climb trees and perform aerial rescue

CPD:

Bats and Arboriculture: A Practitioner's guide
BS 5837:2012. Tree Surveying and Categorisation
Subsidence 1 day workshop
Assessment of Tree Forks: Assessment of Junctions for Risk Management
The Hollow Tree – Arboriculture
Introduction to Soils

V. **Bibliography**

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Diagnosis of Ill-health in Trees (1994) Strouts and Winter; TSO.

British Standard 3998:2010 Recommendations for Tree Work UK; British Standards Institution.

The body language of trees (1994) Mattheck & Breloer; TSO.

Principles of tree hazard assessment and management (1999) Lonsdale; Forestry Commission.

Complete field guide to the Trees of Britain & Europe (2004) Johnson & More; Collins.

Assessment of Tree Forks: Assessment of Junctions for Risk Management (2016) Slater in association with Myerscough College; The Arboricultural Association.

Arboricultural Practice Note 12: Through the Trees to Development (2007) Patch and Holding; Arboricultural Advisory and Information Service.

Guide to producing a Tree Protection Fencing Plan for straightforward Householder Applications SPG; City and County of Swansea Council.

Modern Arboriculture (2003) Shigo; Sherwin Dodge Printers, Littleton, New Hampshire.

Planning Policy Wales Technical Advice Note 5: Nature Conservation and Planning (September 2009) Welsh Government.