

Glyn-beudy Farm

BS5837:2012 Tree Survey 18th February 2023

Membership No: TE03654





18th February 2023

Glyn-beudy Farm

Site Location: Glyn-beudy Farm	Report Reference: 02/23/GBF/V2
Client: Lewis Partnership Ltd 13 Park Crescent, Llanelli, SA15 3AE	Date of Report: 18 th February 2023 Date of Site Visits: 6 th February 2023
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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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>	3
1.6	<u>Planning Policy</u>	4
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>	6
4	<u>Arboricultural Impact Assessment</u>	7
4.1	<u>Tree Constraints Plan</u>	7
4.2	<u>Arboricultural Impact Assessment</u>	7
4.3	<u>Tree Protection Plan</u>	7
	<u>Appendix</u>	9
I.	<u>Survey Data</u>	10-15
II.	<u>Site Plans</u>	16-18
III.	<u>Photographs</u>	19
IV.	<u>Qualifications</u>	20
V.	<u>Bibliography</u>	21

1. Introduction

1.1 Site Location

1.1.1 Site Address: Glyn-beudy Farm, Glyn Road, Lower Brynamman, SA18 1SS.

1.1.2 Ordnance Survey grid reference: SN707137.

1.2 Instructions

1.2.1 RTAC has been instructed to produce a report in compliance with BS5837:2012 'Trees in Relation to Design, Demolition and Construction – Recommendations' to inform a planning application for a detached property at this site, The instruction was given by Philip Lewis, Director, Lewis Partnership Ltd.

1.3 Documents Provided

1.3.1

Document Description	Reference Number	Produced By	Date
Site Plan 1:500 & Location Plan 1:2500 @A3	SN7013-2063.01	Lewis Partnership Ltd	20/09/21

1.3.2 No independent verification or assessment of these documents has been made by RTAC,

1.4 Scope of Report

1.4.1 The purpose of this report is to survey the trees surrounding the proposed development site at Glyn-beudy Farm. The majority of trees at this site are growing on the steep bank to the north of the site which falls down to the river Amman and only the trees at the top of this bank which may be affected by the development have been recorded.

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 report 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 Monday 6th February 2023; the weather was cold, sunny and dry and visibility was good.

1.5.2 The heights and crown spreads of all accessible trees were measured with an SNDWAY SW-1000A Laser Distance Meter Telescope. Stem diameters of all accessible trees recorded were measured at 1.5 metres above ground level with a diameter tape.

1.5.3 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.

1.5.4 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.

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

1.5.6 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.

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

1.5.8 No soil samples were taken.

1.5.9 No invasive decay detection techniques have been used.

1.5.10 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.

1.5.11 The tree survey was carried out by Liz Phillips TechArborA of RTAC. Liz has worked in the arboricultural industry for 14 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 Carmarthenshire County Council's Local Development Plan 2006-2021 adopted on the 10th of December 2014 contains the following policy:

Policy EQ5 Corridors, Networks and Features of Distinctiveness

Proposals for development which would not adversely affect those features which contribute local distinctiveness/qualities of the County, and to the management and/or development of ecological networks (wildlife corridor networks), accessible green corridors and their continuity and integrity will be permitted.

Proposals which include provision for the retention and appropriate management of such features will be supported (provided they conform to the policies and proposals of this Plan).

6.6.34 Woodlands, trees and hedgerows are an integral and ever-changing part of the landscape and townscape character of the County. They provide valuable wildlife habitats, remove carbon dioxide from the air, reduce atmospheric pollution, and provide shelter, shade, and informal recreational opportunities. Whilst some woodland, trees and hedgerows are protected by wildlife or conservation designations, Tree Preservation Orders, or the Hedgerow Regulations, it is also important that those which are not, are retained, protected and wherever possible, added to. (Reference should also be made to Policy GP1 – Sustainability and High-Quality Design, together with the provisions of PPW: Edition 7 - Chapter 5).

1.7 Statutory Designations

1.7.1 Carmarthenshire County Council's Interactive Map does not show any 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 The proposed development site is a large plot measuring approximately 0.17 hectares. The site is bordered by a steep bank to the north which falls down to the river Amman; residential properties to the south and east and rough ground to the west. The site is currently very overgrown and large parts of it are inaccessible. All trees are growing around the north and west site boundaries.

2.2 Proposed Works

2.2.1 A large two-storey residential property will be constructed on this site with access from Glyn Road via the existing Golwg yr Ynys.

3. The Trees

3.1 Eleven trees and one group of trees were recorded during this survey. The tables of species; age class and retention category are below:-

3.2

Common Name	Botanical Name	Number
Sycamore Group	<i>Acer pseudoplatanus</i>	1
Sessile oak	<i>Quercus petraea</i>	4
Sycamore	<i>Acer pseudoplatanus</i>	3
Common ash	<i>Fraxinus excelsior</i>	2
Common hawthorn	<i>Crataegus monogyna</i>	1
Common hazel	<i>Corylus avellana</i>	1

3.3

Age Class	Number
Young	0
Semi-mature	10
Mature	2

3.4

Retention Category	Number
A	5
B	1
C	6
U	0

4. Arboricultural Impact Assessment

4.1 Tree Constraints Plan

4.1.1 All site plans are in Appendix II.

4.1.2 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.

4.1.3 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:

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

4.1.4 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, the RPAs of T368 and T369 have been redrawn to reflect the proximity of the river Amman.

4.2 Arboricultural Impact Assessment

4.2.1 The proposed development can be constructed without any adverse impact on the trees bordering this site.

4.3 Tree Protection Plan

4.3.1 The Tree Protection Plan is in Appendix II.

4.3.2 Any treeworks required must be carried out prior to the commencement of construction works. As several of the trees were not accessible at the time of this survey it is recommended that once the site is cleared the retained trees are inspected for any hazardous defects.

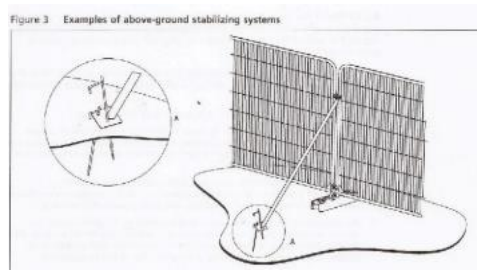
4.3.3 Heras fencing as shown below will be erected in the location marked on the Tree Protection Plan.

4.3.4 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. Signage as shown below must be attached to the fencing.

4.3.5 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



18th February 2023

Glyn-beudy Farm

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: Philip Lewis
Project: Glyn-beudy Farm
Survey Date: 06/02/2023
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			
G1	no tag												Estimated Measurements	
Sycamore		9	1	200	N	4	SM	A: 18.1	Good	C: Good	No action :: Unspecified		C.2	
Acer pseudoplatanus					E	3		R: 2.4		S: Good			>40 yrs	
					S	6				B: Good	Group of sycamore.			
					W	3								
T368	no tag													
Sycamore		12	1	640	N	6	8 SM	A: 185.3	Good	C: Good	No action :: Unspecified		A.2	
Acer pseudoplatanus					E	6	5	R: 7.68		S: Good			>40 yrs	
					S	8	4			B: Good	Base of tree not accessible.			
					W	6	6							
T369	no tag												Estimated Measurements	
Sessile Oak		18	1	700	N	10	6 SM	A: 221.7	Good	C: Good	No action :: Unspecified		A.2	
Quercus petraea					E	6	10	R: 8.4		S: Good			>40 yrs	
					S	8	7			B: Good				
					W	7	9							
T370	370													
Common Hawthorn		6	5	339 (Eq)	N	3	4 SM	A: 51.9	Good	C: Good	No action :: Unspecified		C.2	
Crataegus monogyna					E	4	2	R: 4.06		S: Good			>40 yrs	
					S	3	2			B: Good				
					W	3	1.5							
Age Classifications:	N	Newly planted	EM	Early Mature	Condition:			C	Crown	Stems:	Ø	Diameter		
	Y	Young	M	Mature				S	Stem		(Eq)	Equivalent stem diameter using BS5837:2012 definition		
	SM	Semi-mature	OM	Over Mature				B	Basal area	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			
T371 no tag												Estimated Measurements		
Sycamore <i>Acer pseudoplatanus</i>		15	1	320	N	4	6	SM	A: 46.3 R: 3.83	Good	C: Good S: Good B: Good	No action :: Unspecified ----- C.2 >40 yrs		
T372 372														
Common Ash <i>Fraxinus excelsior</i>		12	2	436 (Eq)	N	7	9	SM	A: 85.9 R: 5.22	Good	C: Good S: Good B: Good	No action :: Unspecified ----- B.2 >40 yrs		
T373 373														
Common Hazel <i>Corylus avellana</i>		6	8	226 (Eq)	N	3	4	M	A: 23.2 R: 2.71	Good	C: Good S: Good B: Good	No action :: Unspecified ----- C.2 >40 yrs		
T374 374												Estimated Measurements		
Sessile Oak <i>Quercus petraea</i>		18	1	600	N	7	9	SM	A: 162.9 R: 7.2	Good	C: Good S: Good B: Good	No action :: Unspecified ----- A.2 >40 yrs		
T375 no tag												Estimated Measurements		
Sycamore <i>Acer pseudoplatanus</i>		11	5	457 (Eq)	N	6	8	SM	A: 94.7 R: 5.49	Good	C: Good S: Good B: Good	No action :: Unspecified ----- C.2 >40 yrs		
T376 no tag												Estimated Measurements		
Common Ash <i>Fraxinus excelsior</i>		18	1	700	N	8	9	SM	A: 221.7 R: 8.4	Poor	C: Poor S: Ivy B: Good	Re-inspect :: See Comment ----- C Probable Stage 1 ash dieback, minor deadwood and dieback in crown.		
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		
T377 no tag											Estimated Measurements	
Sessile Oak	16	1	800	N	9	5	M	A: 289.6	Good	C: Good	No action :: Unspecified	A.2
<i>Quercus petraea</i>				E	9	5		R: 9.6		S: Good		>40 yrs
				S	9	6				B: Good	Minor deadwood; tree not accessible.	
				W	8	7						
T378 no tag											Estimated Measurements	
Sessile Oak	18	1	680	N	6	3	SM	A: 209.2	Good	C: Good	No action :: Unspecified	A.2
<i>Quercus petraea</i>				E	6	4		R: 8.16		S: Ivy		>40 yrs
				S	8	1				B: Good	Minor deadwood in crown.	
				W	8	3						

Report selection criteria.

Projects.

Glyn-beudy Farm

Date Range.

Any Date

Work types.

----> No action :: Unspecified
----> Re-inspect :: See Comment

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) **12**

Number of trees in Report selection **12**

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

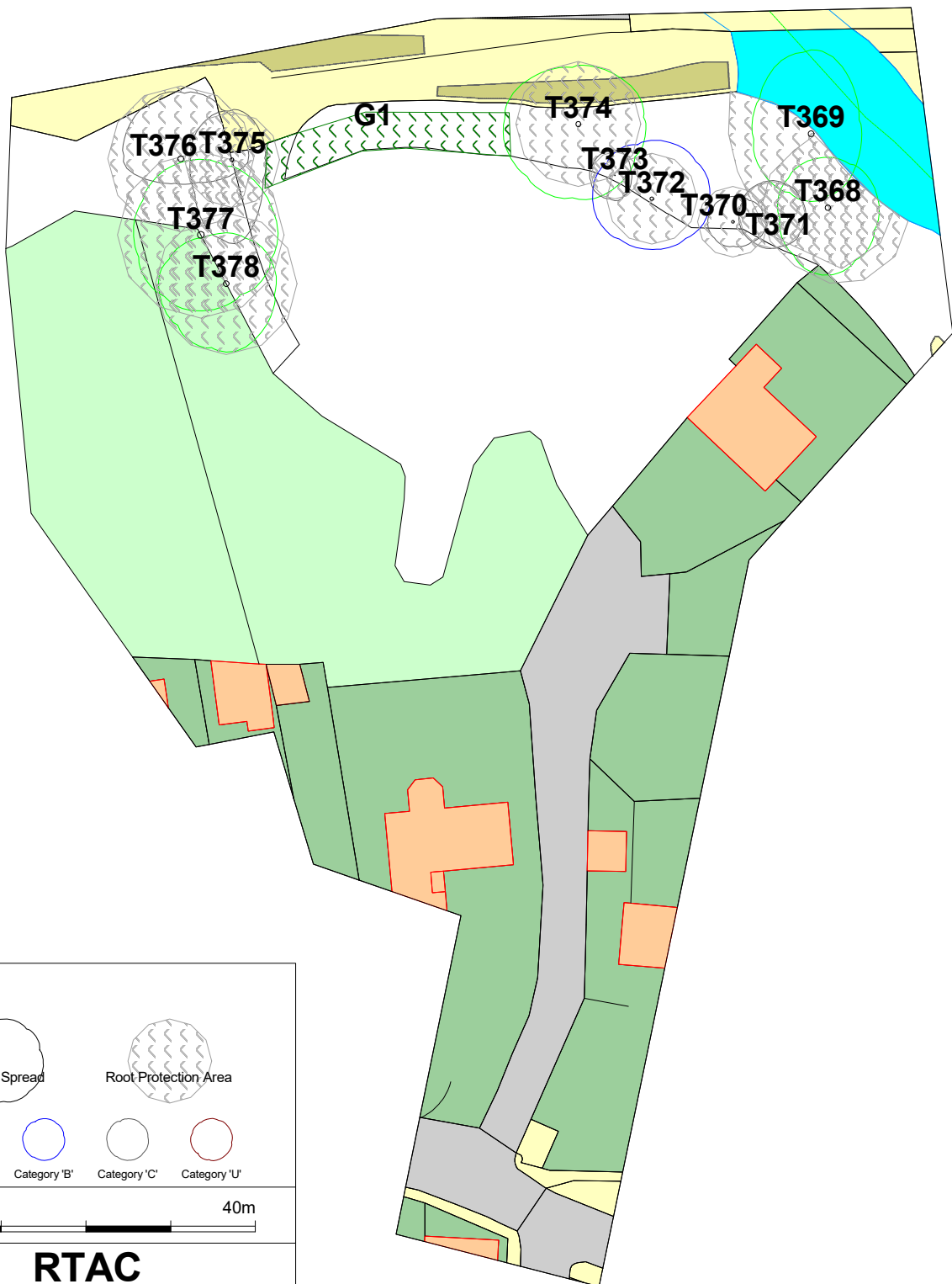
Stems: Ø Diameter
(Eq) Equivalent stem diameter using BS5837:2012 definition
ERC: Estimated Remaining Contributio



18th February 2023

Glyn-beudy Farm

II. Site Plans



Crown Spread



Root Protection Area



Category 'A'



Category 'B'



Category 'C'



Category 'U'

0 40m

RTAC

6 Courtyard Flats, Stable Yard, Stackpole, SA71 5DE
07823332279 info@rtactrees.co.uk

023. Ordnance Survey 100023148.

Glyn-beudy Farm Tree Constraints Plan

SCALE :
1 : 750

@ A4

DATE :

17/02/2023

N



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HERAS FENCE



CONSTRUCTION EXCLUSION ZONE



Crown Spread

Root Protection Area



Category 'A'



Category 'B'



Category 'C'



Category 'U'

0 40m

RTAC

6 Courtyard Flats, Stable Yard, Stackpole, SA71 5DE
07823332279 info@rtactrees.co.uk

023. Ordnance Survey 100023148.

Glyn-budy Farm Tree Protection Plan

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III. Photographs



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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