

Pre-Development Tree Survey & Assessment

Of

Pilot Street, St Dogmaels

Prepared By



Ref: TDA/2630/TS&A/RhC/07.21

July 2021

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Of

Pilot Street, Dogmaels

For

Enzo's Homes

Prepared by

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Document Approval

This document has been prepared and checked in accordance with Tirlun Design Associates' quality control system

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CONTENTS

1.0 Supporting Information and Explanatory Keys

1.1 INTRODUCTION

1.11 Generally

1.12 Purpose of Survey

1.13 The Site

1.2 METHODOLOGY

1.21 Generally

1.22 Conventions and Assumptions

1.23 Data Summary

1.3 KEY

1.31 Survey Classification Key

1.32 Tree Category Description Key

1.33 Tree Survey Species Key

2.0 Collected Data

2.1 TREE SURVEY SCHEDULE

3.0 Conclusion

3.1 TREE SURVEY SUMMARY

4.0 Appendix 1

Drawing no. TDA.2630.01 - Tree Survey Plan (BS5837:2012)

1.0 Supporting Information and Explanatory Keys

1.1 INTRODUCTION

1.11 Generally

Trees are of vital importance to the landscape and are essential for enhancing the rural and urban environment. They provide scenic character, visual amenity and are vital habitats for dependent wildlife populations.

The retention of existing trees not only benefits a site and its surroundings but also raises the overall quality of an area and enhances property value.

Trees which are damaged, or their immediate environment significantly changed may subsequently decline and die resulting in all positive benefits being lost.

1.12 Purpose of Survey

Tirlun Design Associates were appointed by Enzo's Homes to undertake a pre-development survey and assessment of existing trees located on and adjacent to their site at Pilot Street, St Dogmaels.

This document is a record of the survey and its purpose is to provide the client with a concise presentation of the position, dimensions, condition and future life expectancy of existing trees on site.

Recommendations are provided on arboricultural works which should be undertaken in the interests of safety, or as part of sound management practice. However, the tree survey conducted and the results presented within this report are specifically designed to meet the BS5837 standard, and are not a substitute for either a full Tree Safety Survey or Management Plan designed to provide a detailed appraisal of the risk and liability associated with responsibility for individual trees or groups of trees.

The survey is illustrated by drawing no. TDA.2630.01 which shows the location and assessed category of surveyed trees.

1.13 The Site

The site comprises an area of sloped rough ground covered with dense blackthorn and Bramble. The majority of trees are located on the eastern boundary of the site and include Oak, Sycamore and Ash.

1.2 METHODOLOGY

1.21 Generally

The on-site survey of trees was carried out by Rhodri Crandon B.A. (Hons), Dip LA, who is experienced in arboriculture. He was assisted by Andrew Perrigo BSc (Hons), Dip LA. The survey was undertaken during July 2021.

Site data was recorded onto standardised survey forms and subsequently transposed in the office onto fair copies of the relevant forms for inclusion within this document. The location of individual trees and tree groups is based on a digital Ordnance Survey map modified as necessary by the topographical survey. The record drawing is at a scale of 1:250 @ A1, is numbered TDA.2630.01 and is included within Appendix 1.

Trees were located, numbered, identified and their height determined by clinometer measurements. The trunk/stem diameters and crown clearances of trees were measured using a 10m tape. Branch spread was taken from topographical survey data.

Age, structural/physical condition, management recommendations and estimated contribution in years were judged from an examination of the tree or tree group in question and each tree was categorised according to standardised criteria i.e. BS5837: 2012.

1.22 Conventions and Assumptions

In the pursuit of this survey, assumptions have been made and conventions followed.

1.23 Data Summary

The collected data has been summarised and plotted on drawing no. TDA.2630.01 at a scale of 1:250 @ A1 (Appendix 1). The drawing identifies the trees by number and category as follows:

Category A	High Quality and Value	Retention Most Desirable
Category B	Moderate Quality and Value	Retention Desirable
Category C	Low Quality and Value	Could Be Retained
Category U	Remove	Unsuitable for retention

The drawings are intended to reduce the need for reference to the text. The user of the survey can clearly identify the merit of each tree from the drawings and, if required, refer to the specific notes in the Tree Survey Schedule.

1.3 KEY

1.31 Survey Classification Key

Tree no.	Numerical reference for tree on tree survey plan.
Species.	Common name with abbreviation of the scientific name (see tree species key).
Height.	In metres.
Stem dia.	For single stem trees, diameter of trunk is measured in millimetres at 1.5 metres above adjacent ground level (on sloping ground to be taken on the upslope side of the tree base) For multi stemmed trees with 5 stems or less each stem is measured in millimetres and measurements included in the survey schedule. For multi stemmed trees with 6 stems or more each stem is measured and a mean average included in the survey schedule.
Branch spread.	Branch spread was taken from topographical survey data.
Crown Clearance.	Height in metres of crown clearance above adjacent ground level (to inform on ground clearance, crown stem ratio and shading).
Age.	Assessment of the age of each tree: Y = Young EM = Early Mature M = Mature OM = Over Mature V = Veteran
Physical Condition.	Assesses the physical condition of each tree: G = Good F = Fair P = poor D = Dead
Structural Condition.	Classification of the structural condition of each tree. DB = Dead DW = Characteristic dead wood WS = Weak structure UB = Unbalanced RC = Regrown coppice TD = Trunk Decay CD = Crown Decay BD = Basal Decay PD = Physical Damage RP = Regrown Pollard

Tree Survey Key - Cont'd

V1 = High Vigour
V2 = Normal Vigour
V3 = Low Vigour

Management

Recommendations. Preliminary management recommendations including further investigation of suspected defects that require more detailed assessment and potential for wildlife habitat.

Est. remaining

Contribution. Estimated remaining contribution in years:

<10,
10-20,
20-40
40>

Category.

U or A to C category grading to be recorded on the tree survey plan.
(Refer to Tree Category Description Key).

1.32 Tree Category Description Key

1.33 Tree Survey Species Key

A ca	Acer campestre	P ca	Populus canadensis
A S	Acer Saccharinum	P co	Pyrus communis
A co	Alnus cordata	P eu	Populus euramericana
A gr	Acer griseum	P h	Platanus hispanica
A hi	Aesculus hippocastanum	P l	Prunus lusitanica
A pl	Acer platanoides	P n	Pinus nigra
A plc	Acer platanoides 'Crimson King'	P pi	Pinus pinea
A ps	Acer pseudoplatanus	P n lt	Populus nigra 'Italica'
B da	Buddleja davdii	P r	Pinus radiata
B pe	Betula pendula	P se	Prunus serrula
B pa	Betula papyrifera	P sp	Prunus spinosa
B s	Buxus sempervirens	P sy	Pinus sylvestris
B uj	Betula utilis jaquemontii	P ta	Populus tacamchacca
C a 'G'	Cedrus atlantica 'Glauca'	P tr	Populus tremula
C av	Corylus avellana	Q c	Quercus coccinea
C d	Cedrus deodora	Q ce	Quercus cerris
C b	Carpinus betulus	Q il	Quercus ilex
C l	Cotoneaster lacteus	Q pe	Quercus petraea
C la'E'	Cham. Lawsonia 'Elwoodii'	Q ro	Quercus robur
C Le	Cupressocyparis 'Leylandii'	Q ru	Quercus rubra
C ma	Cupressus macrocarpa	R ps	Robinia pseudoacacia
C mo	Crataegus monogyna	R t	Rhus Typhina
C ox	Crataegus oxycantha	S a	Salix alba
C sa	Castanea sativa	S ar	Sorbus aria
E g	Eucalyptus gunnii	S ar L	Sorbus aria 'Lutescens'
F c	Ficus carica	S au	Sorbus aucuparia
F ex	Fraxinus excelsior	S bt	Salix babylonica 'Tortuosa'
F or	Fraxinus ornus	S ca	Salix caprea
F sy	Fagus sylvatica	S ci	Salix cinerea
F sy 'P'	Fagus sylvatica 'Purpurea'	S da	Salix daphnoides
G tr	Gleditsia triacanthos	S fr	Salix fragilis
I aq	Ilex aquifolium	S in	Sorbus intermedia
J re	Juglans regia	S ni	Sambucus nigra
L an	Laburnum anagyroides	S pu	Salix purpurea
Ln	Laurus nobilis	S se	Sequoia sempervirens
L t	Liriodendron tulipifera	S vi	Salix viminalis
M cv	Malus (cultivar)	S vit	Salix vitellina
M gr	Magnolia grandiflora	T ba	Taxus baccata
M gl	Metasequoia glyptostroboides	T b'F'	Taxus baccata 'Fastigiata'
M sy	Malus sylvestris	T co	Tilia cordata
P s A	Prunus subhirtella 'Autumnalis'	T euch	Tilia euchlora
P ab	Picea abies	T pl	Thuja plicata
P av	Prunus avium	U gl	Ulmus glabra

2.0 Collected Data

2.1 TREE SURVEY SCHEDULE

Tree Survey Schedule to be read in conjunction with Tree Survey Key, Tree Category Description Key, Tree Species Key and drawing no. TDA.2630.01.

Tirlun Design Associates Ltd
Tree Survey Schedule (BS5837:2012)

Site: Pilot Street, St Dogmaels

Arboricultural Consultants/Surveyors: RhC / AMP

Date of Survey: July 2021

Sheet Number: 1 of 2

Tree / Tag no.	Species	Height (m)	Stem dia.(mm)	Branch spread (m)	Crown clearance (m)	Age	Physical condition	Structural condition	Management recommendations	Est.remaining contribution (years)	Category
1	Qro	23	900	N 10 E 10 S 10 W 10	3	M	G	DW, V2	Monitor stability on bank. Remove deadwood & lvy	40+	A
G1	Aps, Fex	12 (Av)	200 (Av)	N 3.5 E 3.5 S 3.5 W 3.5	2	Y / EM	F/P	WS, PD, TD, DW, V2	Monitor stability on bank. Remove deadwood, lvy & damaged limb. Monitor Ash for dieback	APS = 40+ Fex = 10-20	B
2	Aps	16	700	N 6 E 6 S 6 W 6	2.5	M	G	DW, V2	Monitor stability on bank. Remove deadwood & lvy	40+	B
3	Qro	20	850	N 9 E 9 S 9 W 9	3	M	G	DW, V2	Remove deadwood & lvy	40+	A
4, 5 (G2)	Tpl	27	700	N 4 E 4 S 4 W 4	7	EM	P	DW, V3	Low vigour & sparse crowns. Monitor health	20-40	C
6	Aps	14	100, 200, 200 MSx3	N 3 E 3 S 3 W 3	3	M	P	WS, UB, V2	Growing out of remnant wall. Remove lvy	40+	C
7	Ag	14	300, 300, 200 MSx2	N 2.5 E 2.5 S 2.5 W 2.5	2	M	P	WS, UB, V2	Remove lvy	40+	C

Tirlun Design Associates Ltd
Tree Survey Schedule (BS5837:2012)

Site: Pilot Street, St Dogmaels

Arboricultural Consultants/Surveyors: RhC / AMP

Date of Survey: July 2021

Sheet Number: 2 of 2

Tree / Tag no.	Species	Height (m)	Stem dia.(mm)	Branch spread (m)	Crown clearance (m)	Age	Physical condition	Structural condition	Management recommendations	Est.remaining contribution (years)	Category
G3	Aps	20	250 MSx4 (Av)	N 8 E 8 S 8 W 8	3	M	F	WS, UB, V2	Monitor stability on bank. Remove Ivy	40+	B
8	Fex	15	200 MSx3	N 4 E 4 S 4 W 4	2.5	EM / M	F	WS, UB, V2	Monitor stability on bank. Monitor for dieback	10-20	C

3.0 Conclusion

3.1 TREE SURVEY SUMMARY

During July 2021, a total of 6 no. individual trees and 3 no. tree groups were surveyed and assessed at the Pilot Street site.

Following survey and assessment in accordance with the British Standard for Trees in Relation to Design, Demolition and Construction (BS 5837: 2012), trees were categorised as follows: -

Category A	High Quality and Value	Retention Most Desirable
Category B	Moderate Quality and Value	Retention Desirable
Category C	Low Quality and Value	Could Be Retained
Category U	Remove	Unsuitable for Retention

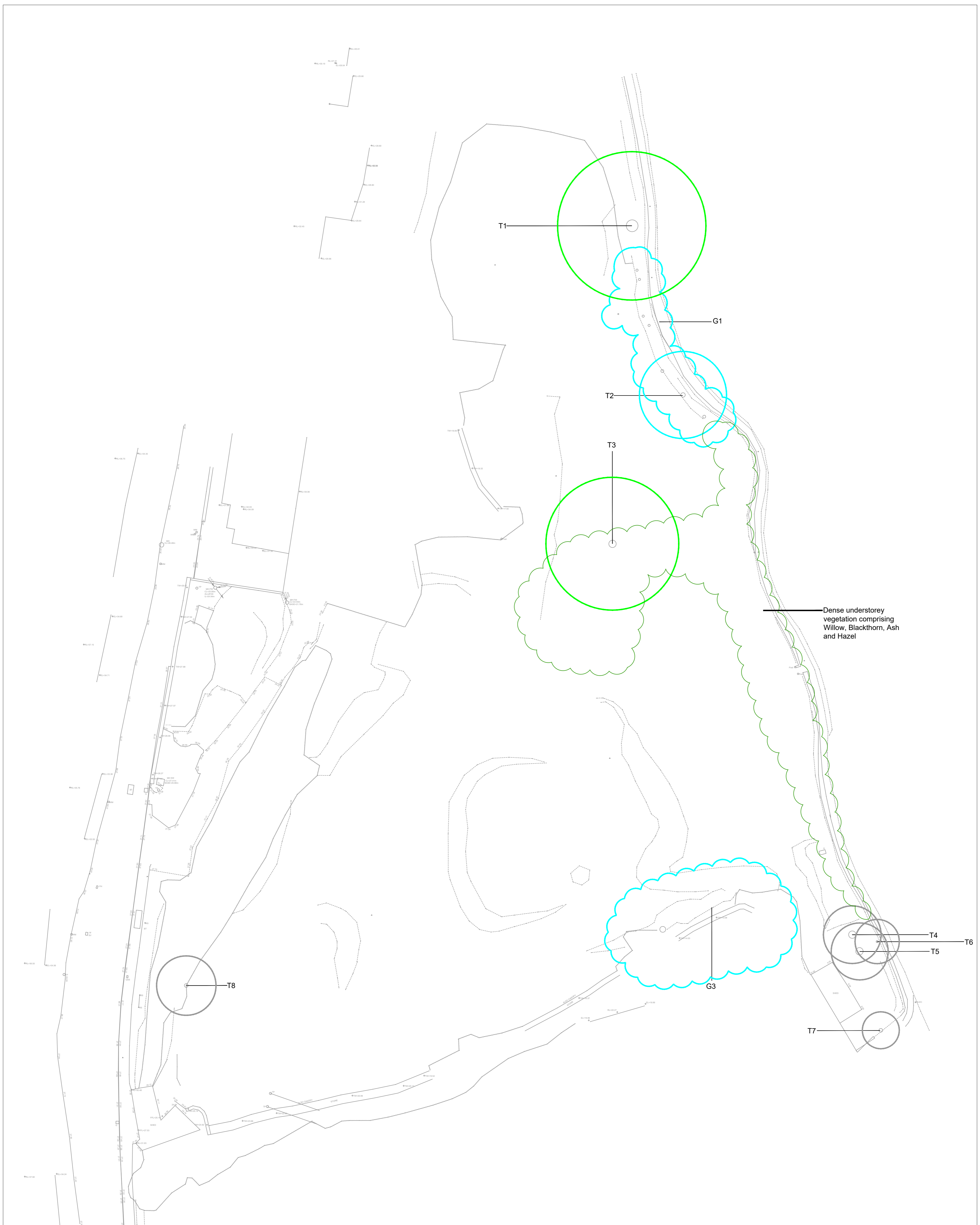
Of the individual trees, 2 no. were assessed as Category A (High Quality & Value), 1 no. was assessed as Category B (Moderate Quality and Value) and 3 were assessed as Category C (Low Quality and value).

Of the tree groups, G1 and G3 were assessed as Category B (Moderate Quality and Value). G2 was assessed as Category C (Low Quality and value).

Ash trees on site should be monitored for signs of Chalara Dieback and managed in accordance with NRW guidance.

End of report: July 2021 (Valid for 12 months from survey date.)

4.0 Appendix 1



KEY
Assessment of trees in accordance with BS 5837: 2012

- A. High Quality and Value
- B. Moderate Quality and Value
- C. Low Quality and Value
- U. Unsuitable / Remove

NOTE :

Plan indicates average spread of tree crowns. (Refer to 'Pre Development Tree Survey & Assessment', document ref: TDA/2630/TS&A/RhC/07.21, for accurate dimensions.)

The exact location of each tree is to be verified on site.

See 'Pre-Development Tree Survey & Assessment', document ref: TDA/2630/TS&A/RhC/07.21, for identification of tree species, height and condition/characteristics.

The original of this drawing was produced in colour. A monochrome copy should not be relied upon.

TDA THE GRANARY NEWLAND FAWR FARM LLANGAN CF35 5DN TEL: 01446 7789367		
CLIENT ENZO'S HOMES		
DRAWING NUMBER TDA.2630.01	SCALE 1:250 @ A1	
DRAWN RHC/AMP	DATE JULY 2021	
PROJECT PILOT STREET, ST DOGMAELS		
DRAWING TITLE TREE SURVEY DRAWING		