Arboricultural Report

Tree Survey,

Arboricultural Impact Assessment &

Arboricultural Method Statement

In relation to the development proposal at:

Griffeen Community College

Lucan

Co. Dublin

May 2021

200319-PD-11

CHARLES MCCORKELL
ARBORICULTURAL CONSULTANCY

Contents

Section 1: Arboricultural Impact Assessment

1 Summary

1.1 This arboricultural report has been instructed by the Department of Education and Skills, to provide information to assist all parties involved in the planning process to make balanced judgements with regard to the arboricultural features in relation to the proposed development of Griffeen Community College, Lucan, Co. Dublin (the 'Application Site').

1.2 This report includes:

- an assessment of the trees, their quality and value in accordance with BS 5837:2012 - Trees in relation to design, demolition and construction;
- the site context and observations on the trees;
- local planning policies relevant to the consideration of trees on the site;
- the impact of the proposed development upon the tree population in and around the site;
- methods of reducing impacts on trees; and
- measures to be taken to protect trees during the proposed works.

1.3 Trees relevant to this proposal have been assessed in accordance with best practice guidance and local planning policy.

1.4 Relevant impacts and potential issues relating to trees have been considered within this report and factual information is contained in the appendices.

1.5 My conclusions are that the proposed development is achievable and that the removal of trees required to facilitate the development will have an initial impact on the local surrounding area and canopy cover.

1.6 The proposed design has included sufficient space for new high-quality tree planting to be undertaken. Carrying out new tree planting will help to mitigate the loss of trees and in the long-term, can have a positive impact on the amenities of the site and the local landscape.

2 Introduction

Instructions

2.1 This arboricultural report has been instructed by the Department of Education and Skills, to provide information to assist all parties involved in the planning process to make balanced judgements with regard to the arboricultural features in relation to the proposed development of Griffeen Community College, Lucan, Co. Dublin (the 'Application Site').

Development proposal

2.2 The proposed development is for the construction of a new school with associated car parking, sporting facilities, landscaping, and all site infrastructure works necessary to facilitate the development.

Qualification and experience

2.3 This report has been prepared by Charles McCorkell. Charles is a Chartered Arboricultural Consultant dealing with trees in relation to all forms of human activity, including the built environment. He is a Professional Member of the Institute of Chartered Foresters, a Professional Member of the Arboricultural Association, a qualified professional tree inspector (LANTRA), and has a BSc Honours Degree in Arboriculture from the University of Central Lancashire.

Scope and limitations

2.4 The survey is not a health and safety inspection of trees; however, trees identified as imminently dangerous will have be highlighted and recommendations made, where appropriate.

2.5 The contents of this report are the copyright of *Charles McCorkell Arboricultural Consultancy* and may not be distributed or copied without the author's permission.

Methodology and guidance

2.6 The author has referred to *British Standard 5837: Trees in relation to design, demolition and construction (2012)* which provides a methodology for the assessment of trees and other significant vegetation on development sites.

2.7 BS 5837:2012 is intended to assist decision making with regard to existing and proposed trees and sets out the principles and procedures to be applied in order to

achieve a harmonious relationship between existing and new trees and structures that can be sustained for the long term.

2.8 The BS 5837:2012 recommends the National Joint Utilities Group (NJUG) document *Guidelines for the planning, installation and maintenance of utility apparatus in the proximity to trees.* Volume 4, issue 2. London: NJUG, 2007, as a normative reference for guidance on the installation of utilities within proximity to trees.

Supporting information

2.9 This report should be read in conjunction with the following supporting documents attached to this report.

Document	Reference	Location
Arboricultural Method Statement	N/A	Section 2
Tree Schedule	200319-PD-10	Appendix A
Tree Work Schedule	200319-PD-12	Appendix A
Tree Survey Plan	200319-P-10	Appendix B
Proposed Layout & Tree Removals Plan	200319-P-11	Appendix B

Definitions

2.10 **Root Protection Area (RPA)** – a layout design tool indicating the area surrounding a tree that contains sufficient rooting volume to ensure the survival of the tree.

2.11 **Tree Protection Zone (TPZ)** – an area based on the RPA in m^2 identified by an arboriculturist, to be protected during development, including demolition and construction work, by the use of barriers and/or ground protection fit for purpose to ensure the successful long-term retention of a tree.

3 Observations & Context

Site visit

3.1 The site was visited by Charles McCorkell on the 29 May 2020, to survey on and off-site trees and vegetation which may be of significance to the proposed development. The survey was carried out in accordance with BS 5837:2012 and from ground level only.

Site location and description

3.2 The site is located to the south of Griffeen Avenue on the south-eastern side of Lucan. It is a vacant grass field site comprising of hedgerows and trees. The Lucan East Educate Together National School is located immediately adjacent to the western boundary. Beyond this, and to the north and east of the site, are residential properties, while similar vacant grass fields are located further south.

3.3 The tree and hedge cover on the site comprises of native species. The hedgerows are predominantly hawthorn, with a mix of bramble, blackthorn, willow, and elder. Ash is the most dominant mature tree on the site, several of which were showing signs of decline and recorded as being in poor condition.

Map 1 (Google 2021): Red line highlighting the location of the site within the local area.

Views of the site and trees

Photo 1: View of the eastern boundary semi-mature tree group G184.

Photo 2: View central hedge (G202) and tree line (T189 to T201) looking north from the eastern side of the site.

Photo 3: Second view of the central hedge (G202) and tree line (T189 to T201) looking south from the eastern side of the site.

Photo 4: View of trees T215 to T223 and hedge groups G195, G196, G197.

Photo 5: View of central hedge G202 and hawthorn trees T225 to T229 looking north from the western side of the site.

Photo 6: View of the neighbouring silver birch trees T230 to T237 located within the Lucan East Educate Together National School.

4 Local Planning Policy

Development Plan 2016 – 2022

4.1 South Dublin County Council's Development Plan 2016-2022 contains several policies that relate to trees. These include:

Green Infrastructure (G) Policy 2 Green Infrastructure Network

- G2 Objective 5 – To integrate Green Infrastructure as an essential component of all new developments;
- G2 Objective 9 – To preserve, protect and augment trees, groups of trees, woodlands and hedgerows within the County by increasing tree canopy coverage using locally native species and by incorporating them within design proposal and supporting their integration into the Green Infrastructure network;
- G2 Objective 11 – To incorporate appropriate elements of Green Infrastructure e.g. new tree planting etc. into existing areas of hard infrastructure wherever possible.

Heritage, Conservation and Landscapes (HCL) Policy 15 Non- Designated Areas

- HCL15 Objective 3 – To protect existing trees, hedgerows, and woodlands which are of amenity or biodiversity value and/or contribute to landscape character and ensure that proper provision is made for their protection and management in accordance with Living with Trees: South Dublin County Council's Tree Management Policy 2015-2020.

Living with Trees – Tree Management Policy 2015 – 2020

4.2 The South Dublin County Council Tree Management Policy 'Living with Trees' 2015-2020 contains information within Chapter 7 Trees and Development that relates to the retention, protection and planting of trees on development sites. Relevant points within this section include:

- The Council will use its powers to ensure that where it is conductive with the objectives of the County Development Plan, and other planning objectives there is maximum retention of trees on new development sites.
- In the processing of planning applications, the Council will seek the retention of trees of high amenity / environmental value taking consideration of both their individual merit and their interaction as part of a group or broader landscape feature.

- On construction sites all work must be in accordance with British Standard 5837 (2012): Trees in Relation to Design, Demolition and Construction – Recommendations.
- The Council will promote the replacement of trees removed to facilitate approved planning and development of urban spaces, buildings, streets, roads, infrastructural projects and private development sites.

5 Technical Information

Tree data

5.1 The Tree Survey Plan at Appendix B illustrates the location of trees and groups, the extent of the spread of their crowns and their root protection areas. Dimensions, comments and information for each tree and group are given in the Tree Schedule at Appendix A.

Life stage analysis

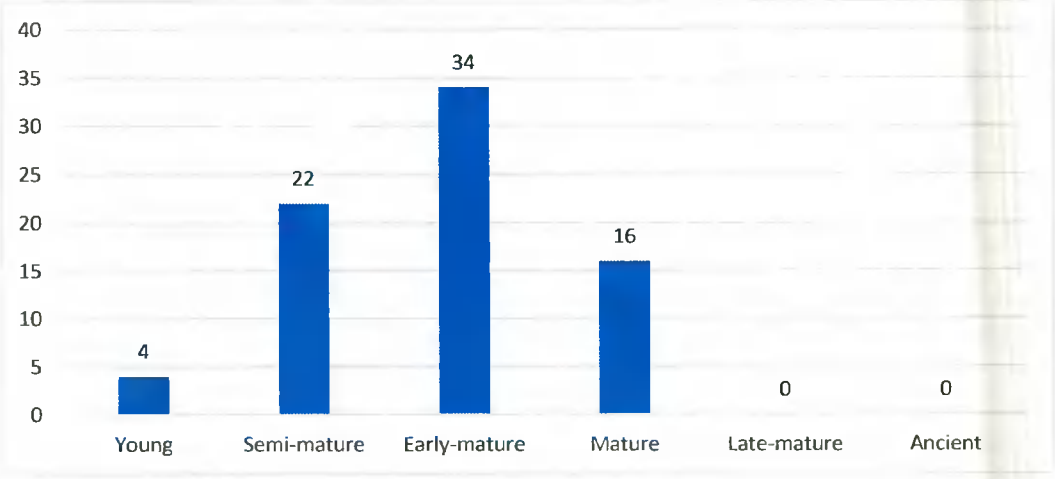

Figure 1: Life stage analysis of the 76 survey entries recorded.

BS5837 (2012) category breakdown

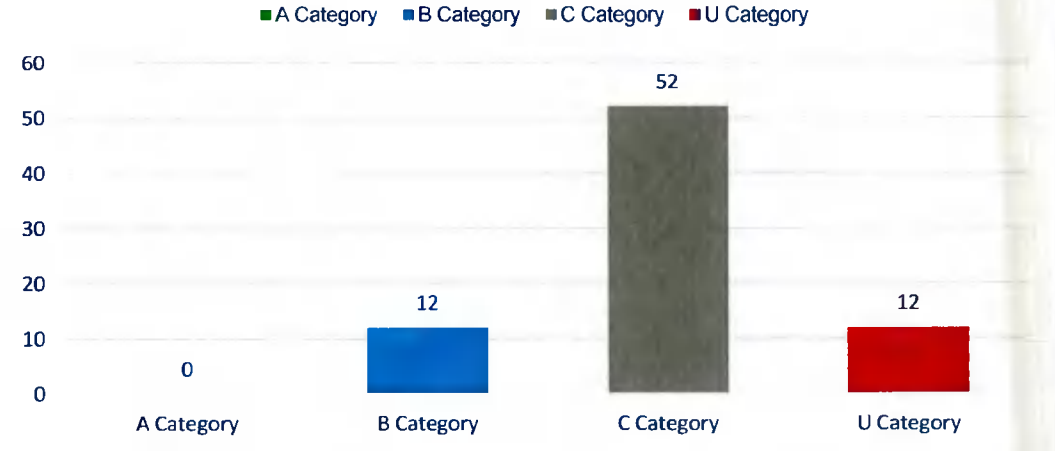

Figure 2: Breakdown of BS5837:2012 categories of the 76 survey entries recorded on and adjacent to the site.

6 Analysis of the Proposal in Respect of Trees

Arboricultural Impacts

6.1 ***Loss of trees*** – All trees and hedgerows located within the Application Site boundary are required to be removed to facilitate the development. This will include the removal of 38 trees and five groups of trees / hedgerows, and the part removal of three groups of trees / hedgerows.

6.2 Of the 46 survey entries proposed to be removed, six trees and groups are of moderate quality and value (B Category), 28 trees and groups are of low quality and value (C Category), and 12 trees are of poor quality (U Category), refer to Figure 3. Details of the proposed removals are specified within the Tree Work Schedule at Appendix A and shown on the Tree Removals Plan at Appendix B.

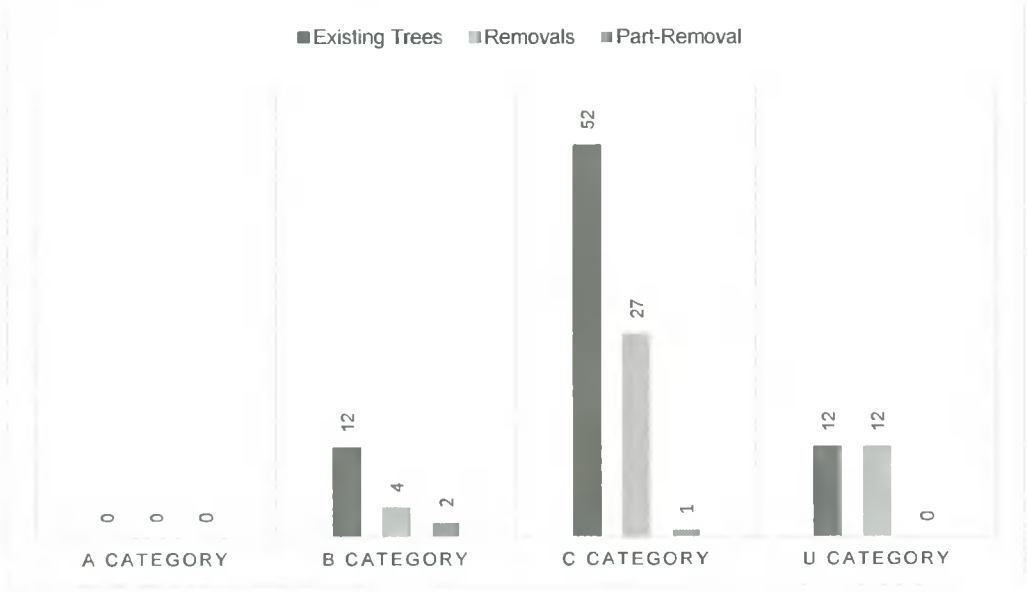

Figure 3: Proposed removals in comparisons to the total number of survey entries recorded and their category in accordance with BS5837.

6.3 The removal of all trees and hedgerows will have an impact on the immediate local surrounding area, both visually and in relation to canopy cover. The majority of trees being removed are of low and poor quality; however, moderate quality hedgerows will also be lost. It is essential that in order to help mitigate these losses, extensive new high quality and value tree and hedge planting is carried out throughout the site. Given the sites change of use, the new planting is unlikely to completely compensate for the proposed removals; however, it can be carried out in a structured manner in order to have a positive visual impact on the development and the local surrounding area.

Arboricultural mitigation

6.4 A detailed landscape proposal has not yet been formulated; however, there is space available on the site to carry out new high-quality tree planting that can help mitigate the loss of trees and have a positive impact on the character and appearance of the surrounding local landscape.

6.5 New tree planting should take into consideration the character of the local landscape. It is important that a diverse selection of species is chosen in order to increase the resilience of the tree population due to the risks posed by pests and diseases and climate change.

6.6 All new tree planting should take into consideration the mature growing size of the trees proposed to ensure that a harmonious relationship between proposed structures (buildings and hard landscaping) can be sustained for the long-term without the need for unnecessary removal or pruning works.

7 Discussion & Conclusion

General Change

7.1 The removal of all trees and hedgerows from within the site will have some impact on the visual appearance of the landscape and local canopy cover. Given the size of the school required for the local area and the location of the hedgerows within the site, retaining them successfully was not achievable.

7.2 Although these removals will have an impact, the development presents an opportunity to regenerate the visual amenity value of the site through structured tree planting and appropriate landscape enhancements. Consideration can therefore be put towards sustainable species choices that both satisfy the need for public amenity and tolerate projected climate changes within the urban environment.

Proposal in relation to local planning policy

7.3 The proposal has been assessed in accordance with best practice BS 5837:2012 and although all trees and hedgerows within the site are required to be removed, space has been provided for new tree planting to be carried out, that can contribute to the local surrounding area in the future.

Conclusion

7.4 The proposal has been assessed in accordance with BS5837:2012. Provided the recommendations as outlined within this report, are adhered to, the proposed development can be successfully carried out.

8 Recommendations

8.1 The proposal should be carried out in accordance with the recommendations outlined within this report.

Tree Works

8.2 All tree works are required to be carried out in accordance with best working practice BS3998:2010 – *Tree Work Recommendations* by a reputable arboricultural contractor.

Arboricultural mitigation

8.3 Tree planting is required to mitigate the loss of trees and must be carried out and maintained as specified by the Landscape Architect. A diverse selection of trees should be proposed to increase local biodiversity and make the tree population more resilient for the future.

Section 2: Arboricultural Method Statement

Introduction	
This report has been prepared in accordance with British Standard 5837: Trees in relation to design, demolition and construction – Recommendations (2012) which provides a methodology for the assessment and protection of trees and other significant vegetation on development sites.	
Sequence of Operations	
• Proposed tree works. • Enabling works, including the installation of a site compound. • Construction, including the installation of drainage and services. • Landscaping. *Alternative sequences can be discussed and agreed with the local authority and project manager if required.*	
Arboricultural Method Statement	
Scope	**Methodology**
Tree Works	Please refer to the Tree Work Schedule at Appendix A for a list of all proposed tree works. The location of trees to be removed are highlighted on the Tree Removals Plan at Appendix B. It is the responsibility of the Site Manager to ensure all tree works have been approved by the local planning authority. All tree works will be carried out by a reputable arboricultural contractor in accordance with the recommendations given in BS 3998:2010 – Tree Work Recommendations. All tree works should be carried out in accordance with Section 40 of the Wildlife Act 1976 and Section 46 of the Wildlife (Amendment) Act 2000. It is the responsibility of the arboricultural contractor to ensure that no protected species are harmed whilst carrying out site clearance or tree surgery works.

Appendix A - Schedule

Document	Reference	Revision
Tree Schedule	200319-PD-10	-
Tree Work Schedule	200319-PD-12	-

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200319 - Griffeen Community College

Tree ID	No.	Species	Height (m)	Stem diameter (cm)	No. of Stems	CROWN SPREAD (m) N	NE	E	SE	S	SW	W	NW	Crown clearance (m)	L.B. (m)	Life stage	Condition Notes	Survey date	RPA (m^2)	RPR (m)	Life expectancy (yrs)	BS Category
Tree T175	1	Carpinus betulus 'Fastigiata' (Fastigiate Hornbeam)	8.0	20	1	2.5		2.5		2.0		2.0		2.0		Early Mature	Structural condition Good. Physiological condition Good. Root environment - Restricted. Tree is not tagged as located offsite.	29/05/2020	18.1	2.4	40+	B2
Tree T176	1	Carpinus betulus 'Fastigiata' (Fastigiate Hornbeam)	8.0	21	1	2.5		2.0		2.0		2.0		2.0		Early Mature	Structural condition Good. Physiological condition Good. Bark wound - Minor. Root environment - Restricted. Tree is not tagged as located offsite.	29/05/2020	20.0	2.5	40+	B2
Tree T177	1	Carpinus betulus 'Fastigiata' (Fastigiate Hornbeam)	8.0	22	1	2.5		2.5		2.0		2.5		2.0		Early Mature	Structural condition Good. Physiological condition Good. Bark wound - Minor. Root environment - Restricted. Tree is not tagged as located offsite.	29/05/2020	21.9	2.6	40+	B2
Tree T178	1	Carpinus betulus 'Fastigiata' (Fastigiate Hornbeam)	8.0	23	1	2.5		2.5		2.5		2.0		2.0		Early Mature	Structural condition Good. Physiological condition Good. Bark wound - Minor. Root environment - Restricted. Tree is not tagged as located offsite.	29/05/2020	23.9	2.8	40+	B2
Tree T179	1	Carpinus betulus 'Fastigiata' (Fastigiate Hornbeam)	8.0	19	1	2.5		2.5		2.5		2.5		2.0		Early Mature	Structural condition Good. Physiological condition Good. Bark wound - Minor. Root environment - Restricted. Tree is not tagged as located offsite.	29/05/2020	16.3	2.3	40+	B2
Tree T180	1	Carpinus betulus 'Fastigiata' (Fastigiate Hornbeam)	8.0	21	1	2.0		2.5		2.5		2.5		2.0		Early Mature	Structural condition Good. Physiological condition Good. Bark wound - Minor. Root environment - Restricted. Tree is not tagged as located offsite.	29/05/2020	20.0	2.5	40+	B2
Tree T181	1	Quercus robur (English Oak)	4.5	10	1	1.5		2.0		1.5		2.0		1.5		Young	Structural condition Fair. Physiological condition Good. Access to inspect base - Not possible. Unable to inspect tree closely due to dense scrub. Tree is not tagged as access to stem is restricted.	29/05/2020	4.5	1.2	20-40	C2

Stem **green** Estimated value
Stem **AVE** Average stem diameter for tree groups
Stem **COM** Combined stem diameter in accordance with BS5837
L.B. Height of lowest branch attachment (m) - where relevant

The survey information in this schedule has been gathered following a BS5837 survey for planning purposes. Where hazardous trees have been noted recommendations for works may have been made but this survey cannot be relied upon as a full health and safety assessment of the trees.

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200319 - Griffeen Community College

Tree ID	No.	Species	Height (m)	Stem diameter (cm)	No. of Stems	CROWN SPREAD (m) N	NE	E	SE	S	SW	W	NW	Crown clearance (m)	L.B. (m)	Life stage	Condition Notes	Survey date	RPA (m^2)	RPR (m)	Life expectancy (yrs)	BS Category
Tree T182	1	Quercus robur (English Oak)	4.0	8	1	1.5		1.5		1.0		1.5		1.0		Young	Structural condition Fair. Physiological condition Good. Access to inspect base - Not possible. Unable to inspect tree closely due to dense scrub. Tree is not tagged as access to stem is restricted.	29/05/2020	2.9	1.0	20-40	C2
Tree T183	1	Acer pseudoplatanus (Sycamore)	4.0	10 COM	4	1.0		2.0		1.5		1.5		0.0		Young	Structural condition Fair. Physiological condition Good. Natural regeneration. Tree not tagged due to young age and small size.	29/05/2020	4.5	1.2	10-20	C2

Stem **green** Estimated value
Stem **AVE** Average stem diameter for tree groups
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Tree ID	No.	Species	Height (m)	Stem diameter (cm)	No. of Stems	CROWN SPREAD (m) N	NE	E	SE	S	SW	W	NW	Crown clearance (m)	L.B. (m)	Life stage	Condition Notes	Survey date	RPA (m^2)	RPR (m)	Life expectancy (yrs)	BS Category
Group G184	20	Alnus glutinosa (Common Alder)	6.0	12 AVE	1									0.0		Semi Mature	Structural condition Good. Physiological condition Good. Competition - Adjacent trees. Height and stem diameter are average for group. Quantities estimated only. Tree group growing on eastern side of ditch. Good boundary planting along roadside with god future potential. Provides beneficial acoustic and visual screening. C Category grade only due to their age and size of stems which is generally below 15cm in diameter.	29/05/2020	6.5	1.4	40+	C2
	100	Betula pendula (Silver Birch)																				
	50	Cerasus avium (Wild Cherry)																				
	160	Corylus avellana (Common Hazel)																				
	10	Crataegus monogyna (Common Hawthorn/Quick/May)																				
	30	Fraxinus excelsior (Ash)																				
	30	Pinus sylvestris (Scots Pine)																				
	10	Salix caprea (Goat Willow/Great Sallow)																				
Tree T185	1	Fraxinus excelsior (Ash)	6.0	15	1	2.0		2.0		2.0		2.0		1.0		Early Mature	Structural condition Poor. Physiological condition Poor. Access to inspect base - Not possible. Die-back - Throughout crown. Decline - Evident / observed. Ivy or climbing plant. Unable to inspect tree closely due to dense scrub. Tree is not tagged as access to stem is restricted.	29/05/2020	10.2	1.8	0-10	U

Stem **green** Estimated value
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L.B. Height of lowest branch attachment (m) - where relevant

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Tree ID	No.	Species	Height (m)	Stem diameter (cm)	No. of Stems	CROWN SPREAD (m) N	NE	E	SE	S	SW	W	NW	Crown clearance (m)	L.B. (m)	Life stage	Condition Notes	Survey date	RPA (m^2)	RPR (m)	Life expectancy (yrs)	BS Category
Tree T186	1	Fraxinus excelsior (Ash)	7.0	15	1		2.5		2.5		1.0		2.5	2.0		Early Mature	Structural condition Fair. Physiological condition Fair. Access to inspect base - Not possible. Suppressed crown - Minor. Unbalanced crown - Minor. Unable to inspect tree closely due to dense scrub. Tree is not tagged as access to stem is restricted.	29/05/2020	10.2	1.8	10-20	C2
Tree T187	1	Crataegus monogyna (Common Hawthorn/Quick/May)	7.0	40	1		3.5		3.5		3.5		3.5	2.0		Early Mature	Structural condition Fair. Physiological condition Fair. Access to inspect base - Restricted / obscured. Ivy or climbing plant. Unable to inspect tree closely due to scrub and ivy cover. Tree is not tagged as access to stem is restricted.	29/05/2020	72.4	4.8	20-40	B1
Group G188	50	Rubus fruticosus s. (Blackberry/Bramble)	2.0	8 AVE	1									0.0		Early Mature	Structural condition Fair. Physiological condition Fair. Competition - Adjacent vegetation. Hedgerow - Neglected / overgrown. Height and stem diameter are average for group. Quantities estimated only. Group consists mainly of bramble with a small number of self-seeded trees. Likely an overgrown section of hedgerow.	29/05/2020	2.9	1.0	20-40	C2
	5	Prunus spinosa (Blackthorn/Sloe)																				
	3	Sambucus nigra (Elder)																				
	2	Crataegus monogyna (Common Hawthorn/Quick/May)																				
Tree T189	1	Fraxinus excelsior (Ash)	12.0	45	1		4.0		6.0		6.0		6.0	0.0		Mature	Structural condition Fair. Physiological condition Fair. Access to inspect base - Not possible. Competition - Adjacent trees. Tree is not tagged as access to stem is restricted. Unable to inspect tree closely due to dense scrub.	29/05/2020	91.6	5.4	20-40	C2

Stem **green** Estimated value
Stem **AVE** Average stem diameter for tree groups
Stem **COM** Combined stem diameter in accordance with BS5837
L.B. Height of lowest branch attachment (m) - where relevant

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Tree ID	No.	Species	Height (m)	Stem diameter (cm)	No. of Stems	CROWN SPREAD (m) N	NE	E	SE	S	SW	W	NW	Crown clearance (m)	L.B. (m)	Life stage	Condition Notes	Survey date	RPA (m^2)	RPR (m)	Life expectancy (yrs)	BS Category
Tree T190	1	Fraxinus excelsior (Ash)	12.0	30	1		3.0		4.0		2.0		4.0	0.0		Early Mature	Structural condition Fair. Physiological condition Fair. Access to inspect base - Not possible. Competition - Adjacent trees. Tree is not tagged as access to stem is restricted. Unable to inspect tree closely due to dense scrub.	29/05/2020	40.7	3.6	20-40	C2
Tree T191	1	Fraxinus excelsior (Ash)	10.0	25	1		3.0		3.0		3.0		3.0	0.0		Early Mature	Structural condition Fair. Physiological condition Fair. Access to inspect base - Not possible. Competition - Adjacent trees. Tree is not tagged as access to stem is restricted. Unable to inspect tree closely due to dense scrub.	29/05/2020	28.3	3.0	20-40	C2
Tree T192	1	Fraxinus excelsior (Ash)	11.0	30	1		3.0		6.0		3.5		0.0	0.0		Early Mature	Structural condition Poor. Physiological condition Fair. Access to inspect base - Not possible. Competition - Adjacent trees. Leaning trunk - Major. Storm damage. Tree is not tagged as access to stem is restricted. Unable to inspect tree closely due to dense scrub.	29/05/2020	40.7	3.6	0-10	U
Tree T193	1	Fraxinus excelsior (Ash)	9.0	30	1		5.0		6.0		3.0		5.0	0.0		Early Mature	Structural condition Fair. Physiological condition Fair. Access to inspect base - Not possible. Competition - Adjacent trees. Tree is not tagged as access to stem is restricted. Unable to inspect tree closely due to dense scrub.	29/05/2020	40.7	3.6	20-40	C2
Group G194	15	Crataegus monogyna (Common Hawthorn/Quick/May)	6.0	25 AVE	1									0.0		Mature	Structural condition Fair. Physiological condition Fair. Access to inspect base - Not possible. Habitat - High value. Hedgerow - Neglected / overgrown. Height and stem diameter are average for group. Quantities estimated only. Hedgerow consists mainly of hawthorn and brambles.	29/05/2020	28.3	3.0	20-40	B2
	1	Fraxinus excelsior (Ash)																				
	50	Rubus fruticosus s. (Blackberry/Bramble)																				

Stem **green** Estimated value
Stem **AVE** Average stem diameter for tree groups
Stem **COM** Combined stem diameter in accordance with BS5837
L.B. Height of lowest branch attachment (m) - where relevant

The survey information in this schedule has been gathered following a BS5837 survey for planning purposes. Where hazardous trees have been noted recommendations for works may have been made but this survey cannot be relied upon as a full health and safety assessment of the trees.

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Tree ID	No.	Species	Height (m)	Stem diameter (cm)	No. of Stems	CROWN SPREAD (m) N	NE	E	SE	S	SW	W	NW	Crown clearance (m)	L.B. (m)	Life stage	Condition Notes	Survey date	RPA (m^2)	RPR (m)	Life expectancy (yrs)	BS Category
Group G195	5	Crataegus monogyna (Common Hawthorn/Quick/May)	5.0	20 AVE	1									0.0		Early Mature	Structural condition Fair. Physiological condition Fair. Access to inspect base - Not possible. Habitat - High value. Hedgerow - Neglected / overgrown. Height and stem diameter are average for group. Quantities estimated only. Understorey hedgerow consists of hawthorn and brambles.	29/05/2020	18.1	2.4	20-40	C2
	10	Rubus fruticosus s. (Blackberry/Bramble)																				
Group G196	50	Prunus spinosa (Blackthorn/Sloe)	3.5	15 AVE	1									0.0		Early Mature	Structural condition Fair. Physiological condition Fair. Natural regeneration. Height and stem diameter are average for group. Quantities estimated only.	29/05/2020	10.2	1.8	20-40	C2
	5	Sambucus nigra (Elder)																				
Group G197	50	Rubus fruticosus s. (Blackberry/Bramble)	5.0	25 AVE	1									0.0		Mature	Structural condition Fair. Physiological condition Fair. Access to inspect base - Not possible. Habitat - High value. Hedgerow - Neglected / overgrown. Height and stem diameter are average for group. Quantities estimated only. Hedgerow consists hawthorn and brambles. Sparser hedgerow and therefore a borderline C/B Category.	29/05/2020	28.3	3.0	20-40	C2
	20	Crataegus monogyna (Common Hawthorn/Quick/May)																				
	10	Prunus spinosa (Blackthorn/Sloe)																				
	10	Sambucus nigra (Elder)																				
Tree T198	1	Fraxinus excelsior (Ash)	13.0	35 COM	2	5.0		5.0		5.0		1.5		2.0		Mature	Structural condition Poor. Physiological condition Fair. Arboricultural work - Historic. Competition - Adjacent trees. Ivy or climbing plant. Poor past pruning. Unbalanced crown - Major. Tree is not tagged as access to stem is restricted. Unable to inspect tree closely due to dense scrub.	29/05/2020	56.5	4.2	0-10	U

Stem **green** Estimated value
Stem **AVE** Average stem diameter for tree groups
Stem **COM** Combined stem diameter in accordance with BS5837
L.B. Height of lowest branch attachment (m) - where relevant

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Tree ID	No.	Species	Height (m)	Stem diameter (cm)	No. of Stems	CROWN SPREAD (m) N	NE	E	SE	S	SW	W	NW	Crown clearance (m)	L.B. (m)	Life stage	Condition Notes	Survey date	RPA (m^2)	RPR (m)	Life expectancy (yrs)	BS Category
Group G199	50	Rubus fruticosus s. (Blackberry/Bramble)	5.0	25 AVE	1									0.0		Mature	Structural condition Fair. Physiological condition Fair. Access to inspect base - Not possible. Habitat - High value. Hedgerow - Neglected / overgrown. Height and stem diameter are average for group. Quantities estimated only. Hedgerow consists of hawthorn, brambles and elder.	29/05/2020	28.3	3.0	20-40	B2
	20	Crataegus monogyna (Common Hawthorn/Quick/May)																				
	10	Sambucus nigra (Elder)																				
Tree T200	1	Fraxinus excelsior (Ash)	13.0	34 COM	3	7.0		2.0		6.0			4.0	2.5		Mature	Structural condition Poor. Physiological condition Poor. Access to inspect base - Not possible. Coppice stool - Coppice origin / Mature stems. Die-back - Throughout crown. Decline - Evident / observed. Deadwood - Minor. Decay / structural defect - Suspected. Ivy or climbing plant. Multi-stemmed. Unbalanced crown - Minor. Tree is not tagged as access to stem is restricted. Unable to inspect tree closely due to dense scrub.	29/05/2020	54.3	4.2	0-10	U
Tree T201	1	Fraxinus excelsior (Ash)	10.0	30	1	4.0		4.0		4.0			4.0	0.0		Early Mature	Structural condition Fair. Physiological condition Fair. Access to inspect base - Not possible. Competition - Adjacent trees. Tree is not tagged as access to stem is restricted. Unable to inspect tree closely due to dense scrub.	29/05/2020	40.7	3.6	10-20	C2

Stem **green** Estimated value
Stem **AVE** Average stem diameter for tree groups
Stem **COM** Combined stem diameter in accordance with BS5837
L.B. Height of lowest branch attachment (m) - where relevant

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Tree ID	No.	Species	Height (m)	Stem diameter (cm)	No. of Stems	CROWN SPREAD (m) N	NE	E	SE	S	SW	W	NW	Crown clearance (m)	L.B. (m)	Life stage	Condition Notes	Survey date	RPA (m^2)	RPR (m)	Life expectancy (yrs)	BS Category
Group G202	150	Crataegus monogyna (Common Hawthorn/Quick/May)	5.0	25 AVE	1									0.0		Mature	Structural condition Fair. Physiological condition Fair. Access to inspect base - Not possible. Coppice stool - Coppice origin / Mature stems. Habitat - High value. Hedgerow - Neglected / overgrown. Height and stem diameter are average for group. Quantities estimated only. Hedgerow consists mainly of hawthorn and brambles. Some ash trees that have not individually been recorded within the group have been coppiced and have regrown.	29/05/2020	28.3	3.0	20-40	B2
	5	Fraxinus excelsior (Ash)																				
	10	Prunus spinosa (Blackthorn/Sloe)																				
	50	Rosa canina (Dog-rose)																				
	200	Rubus fruticosus s. (Blackberry/Bramble)																				
	30	Salix caprea (Goat Willow/Great Sallow)																				
	50	Sambucus nigra (Elder)																				
Tree T203	1	Fraxinus excelsior (Ash)	10.0	28	1	4.0		4.0		2.0		4.0		1.0		Early Mature	Structural condition Fair. Physiological condition Poor. Competition - Adjacent trees. Die-back - Upper crown. Decline - Suspected.	29/05/2020	35.5	3.4	0-10	U
Tree T204	1	Fraxinus excelsior (Ash)	11.0	20	1	3.0		3.0		3.0		3.0		0.0		Early Mature	Structural condition Fair. Physiological condition Fair. Competition - Adjacent trees. Fork - Weak with included bark.	29/05/2020	18.1	2.4	20-40	C2

Stem **green** Estimated value
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Tree ID	No.	Species	Height (m)	Stem diameter (cm)	No. of Stems	CROWN SPREAD (m) N	NE	E	SE	S	SW	W	NW	Crown clearance (m)	L.B. (m)	Life stage	Condition Notes	Survey date	RPA (m^2)	RPR (m)	Life expectancy (yrs)	BS Category
Tree T205	1	Fraxinus excelsior (Ash)	11.0	20	1		3.0		3.0		3.0		3.0	0.0		Early Mature	Structural condition Fair. Physiological condition Fair. Competition - Adjacent trees.	29/05/2020	18.1	2.4	20-40	C2
Tree T206	1	Fraxinus excelsior (Ash)	11.0	25	1		3.0		3.0		2.0		4.0	0.0		Early Mature	Structural condition Fair. Physiological condition Fair. Competition - Adjacent trees.	29/05/2020	28.3	3.0	20-40	C2
Tree T207	1	Fraxinus excelsior (Ash)	11.0	25	1		3.0		2.0		3.0		5.0	0.0		Early Mature	Structural condition Fair. Physiological condition Fair. Competition - Adjacent trees.	29/05/2020	28.3	3.0	20-40	C2
Tree T208	1	Fraxinus excelsior (Ash)	12.0	38	1		5.0		5.0		5.0		3.0	0.0		Mature	Structural condition Fair. Physiological condition Fair. Competition - Adjacent trees. Ivy or climbing plant.	29/05/2020	65.3	4.6	20-40	C2
Tree T209	1	Fraxinus excelsior (Ash)	11.0	30	1		3.0		4.0		5.0		4.0	0.0		Early Mature	Structural condition Fair. Physiological condition Fair. Competition - Adjacent trees.	29/05/2020	40.7	3.6	20-40	C2
Tree T210	1	Sambucus nigra (Elder)	8.0	50 COM	4		7.0		4.0		3.5		5.0	0.0		Mature	Structural condition Fair. Physiological condition Fair. Branch - Broken. Competition - Adjacent trees. Unbalanced crown - Minor.	29/05/2020	113.1	6.0	10-20	C2
Tree T211	1	Fraxinus excelsior (Ash)	13.0	43 COM	3		5.0		5.0		4.0		5.0	3.0		Mature	Structural condition Poor. Physiological condition Fair. Competition - Adjacent trees. Coppice stool - Coppice origin / Mature stems. Deadwood - Minor. Decay / structural defect - Base. Ivy or climbing plant.	29/05/2020	84.8	5.2	0-10	U
Tree T212	1	Fraxinus excelsior (Ash)	9.0	33 COM	5		3.0		4.0		4.0		4.0	0.0		Early Mature	Structural condition Poor. Physiological condition Poor. Access to inspect base - Not possible. Competition - Adjacent trees. Coppice stool - Coppice origin / Mature stems. Die-back - Upper crown. Decline - Evident / observed. Decay / structural defect - Base.	29/05/2020	50.9	4.0	0-10	U
Tree T213	1	Fraxinus excelsior (Ash)	11.0	32 COM	2		3.0		4.0		4.0		4.0	2.0		Early Mature	Structural condition Fair. Physiological condition Fair. Competition - Adjacent trees. Deadwood - Minor.	29/05/2020	46.4	3.8	20-40	C2

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Tree ID	No.	Species	Height (m)	Stem diameter (cm)	No. of Stems	CROWN SPREAD (m) N	NE	E	SE	S	SW	W	NW	Crown clearance (m)	L.B. (m)	Life stage	Condition Notes	Survey date	RPA (m^2)	RPR (m)	Life expectancy (yrs)	BS Category
Tree T214	1	Fraxinus excelsior (Ash)	11.0	40	1		5.5		5.0		5.0		4.0	0.0		Early Mature	Structural condition Fair. Physiological condition Fair. Competition - Adjacent trees. Ivy or climbing plant. Unable to inspect tree closely due to ivy cover.	29/05/2020	72.4	4.8	20-40	C2
Tree T215	1	Fraxinus excelsior (Ash)	12.0	110 COM	10		7.0		8.0		7.0		8.0	0.0		Mature	Structural condition Fair. Physiological condition Fair. Coppice stool - Coppice origin / Mature stems. Decay / structural defect - Base. Ivy or climbing plant. Multi-stemmed.	29/05/2020	554.2	13.3	20-40	B3
Tree T216	1	Fraxinus excelsior (Ash)	12.0	30	1		2.0		4.0		8.0		5.0	1.0		Early Mature	Structural condition Fair. Physiological condition Fair. Branch weight - Heavy. Competition - Adjacent trees. Decay / structural defect - Minor. Unbalanced crown - Minor.	29/05/2020	40.7	3.6	20-40	C2
Tree T217	1	Fraxinus excelsior (Ash)	12.0	66 COM	5		8.0		6.5		5.5		3.0	1.0		Mature	Structural condition Fair. Physiological condition Fair. Competition - Adjacent trees. Coppice stool - Coppice origin / Mature stems. Ivy or climbing plant. Multi-stemmed.	29/05/2020	197.9	7.9	20-40	C2
Tree T218	1	Fraxinus excelsior (Ash)	12.0	50 COM	4		8.0		4.0		7.0		3.0	1.5		Mature	Structural condition Poor. Physiological condition Fair. Competition - Adjacent trees. Coppice stool - Coppice origin / Mature stems. Decay / structural defect - Base. Decay / structural defect - Extensive. Ivy or climbing plant. Multi-stemmed.	29/05/2020	113.1	6.0	0-10	U
Tree T219	1	Fraxinus excelsior (Ash)	12.0	40 COM	4		7.0		5.5		3.0		1.5	1.5		Mature	Structural condition Poor. Physiological condition Poor. Competition - Adjacent trees. Coppice stool - Coppice origin / Mature stems. Decay / structural defect - Extensive. Decay / structural defect - Suspected. Decay / structural defect - Bole. Ivy or climbing plant. Multi-stemmed. Shedding limb / limbs - Major. Storm damage. Unbalanced crown - Minor.	29/05/2020	72.4	4.8	0-10	U
Tree T220	1	Fraxinus excelsior (Ash)	12.0	50	1		8.0		3.0		5.0		4.5	2.0		Mature	Structural condition Fair. Physiological condition Fair. Access to inspect base - Restricted / obscured. Competition - Adjacent trees. Coppice stool - Coppice origin / Mature stems. Ivy or climbing plant. Multi-stemmed. Unable to inspect tree closely due to ivy cover.	29/05/2020	113.1	6.0	10-20	C2

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Tree ID	No.	Species	Height (m)	Stem diameter (cm)	No. of Stems	CROWN SPREAD (m) N	NE	E	SE	S	SW	W	NW	Crown clearance (m)	L.B. (m)	Life stage	Condition Notes	Survey date	RPA (m^2)	RPR (m)	Life expectancy (yrs)	BS Category
Tree T221	1	Fraxinus excelsior (Ash)	10.0	21 COM	2		1.0		2.5		5.5		2.5	1.5		Early Mature	Structural condition Poor. Physiological condition Poor. Bark wound - Major. Competition - Adjacent trees. Die-back - Upper crown. Decline - Evident / observed.	29/05/2020	20.4	2.5	0-10	U
Tree T222	1	Fraxinus excelsior (Ash)	13.0	55 COM	5		7.0		7.0		5.0		3.0	4.0		Mature	Structural condition Poor. Physiological condition Poor. Coppice stool - Coppice origin / Mature stems. Die-back - Throughout crown. Decline - Evident / observed. Deadwood - Minor. Decay / structural defect - Suspected. Ivy or climbing plant. Multi-stemmed.	29/05/2020	141.4	6.7	0-10	U
Tree T223	1	Fraxinus excelsior (Ash)	10.0	34 COM	3		4.0		1.0		3.5		3.0	5.0		Early Mature	Structural condition Poor. Physiological condition Poor. Competition - Adjacent trees. Die-back - Throughout crown. Decline - Evident / observed. Deadwood - Minor. Ivy or climbing plant.	29/05/2020	54.3	4.2	0-10	U
Tree T224	1	Quercus robur (English Oak)	3.0	9	1		2.0		1.5		1.0		1.5	0.0		Young	Structural condition Good. Physiological condition Good. Natural regeneration.	29/05/2020	3.7	1.1	40+	C1
Tree T225	1	Crataegus monogyna (Common Hawthorn/Quick/May)	5.0	18	1		2.5		2.5		2.0		2.5	0.0		Early Mature	Structural condition Good. Physiological condition Good. No significant faults observed.	29/05/2020	14.7	2.2	40+	C1
Tree T226	1	Crataegus monogyna (Common Hawthorn/Quick/May)	5.0	20	1		2.5		2.5		2.5		2.5	0.0		Early Mature	Structural condition Good. Physiological condition Good. No significant faults observed.	29/05/2020	18.1	2.4	40+	B1
Tree T227	1	Crataegus monogyna (Common Hawthorn/Quick/May)	5.0	18	1		2.5		2.5		1.5		2.0	0.0		Early Mature	Structural condition Good. Physiological condition Fair. No significant faults observed.	29/05/2020	14.7	2.2	20-40	C1
Tree T228	1	Crataegus monogyna (Common Hawthorn/Quick/May)	5.0	18	1		2.0		2.0		1.5		2.0	0.0		Early Mature	Structural condition Good. Physiological condition Fair. No significant faults observed.	29/05/2020	14.7	2.2	20-40	C1

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Tree ID	No.	Species	Height (m)	Stem diameter (cm)	No. of Stems	CROWN SPREAD (m) N	NE	E	SE	S	SW	W	NW	Crown clearance (m)	L.B. (m)	Life stage	Condition Notes	Survey date	RPA (m^2)	RPR (m)	Life expectancy (yrs)	BS Category
Tree T229	1	Crataegus monogyna (Common Hawthorn/Quick/May)	5.0	20	1		2.0		2.0		2.0		2.0	0.0		Early Mature	Structural condition Good. Physiological condition Good. No significant faults observed.	29/05/2020	18.1	2.4	40+	C1
Tree T230	1	Betula pendula (Silver Birch)	8.0	15	1	2.5	2.0	2.0	2.0					1.5		Semi Mature	Structural condition Good. Physiological condition Good. No significant faults observed. Tree is not tagged as located offsite.	29/05/2020	10.2	1.8	40+	C2
Tree T231	1	Betula pendula (Silver Birch)	7.5	14	1	2.5	2.5	2.5	2.5					1.0		Semi Mature	Structural condition Good. Physiological condition Good. No significant faults observed. Tree is not tagged as located offsite.	29/05/2020	8.9	1.7	40+	C2
Tree T232	1	Betula pendula (Silver Birch)	8.5	15	1	2.5	2.5	1.5	2.5					1.0		Semi Mature	Structural condition Good. Physiological condition Good. No significant faults observed. Tree is not tagged as located offsite.	29/05/2020	10.2	1.8	40+	C2
Tree T233	1	Betula pendula (Silver Birch)	8.5	13	1	2.0	2.0	2.0	2.0					1.5		Semi Mature	Structural condition Good. Physiological condition Good. No significant faults observed. Tree is not tagged as located offsite.	29/05/2020	7.6	1.6	40+	C2
Tree T234	1	Betula pendula (Silver Birch)	8.0	16	1	2.5	2.5	2.5	2.5					1.0		Semi Mature	Structural condition Good. Physiological condition Good. No significant faults observed. Tree is not tagged as located offsite.	29/05/2020	11.6	1.9	40+	C2
Tree T235	1	Betula pendula (Silver Birch)	9.0	13	1	2.0	2.0	2.0	2.0					1.0		Semi Mature	Structural condition Good. Physiological condition Good. No significant faults observed. Tree is not tagged as located offsite.	29/05/2020	7.6	1.6	40+	C2
Tree T236	1	Betula pendula (Silver Birch)	8.0	15	1	2.5	2.5	2.5	2.5					1.0		Semi Mature	Structural condition Good. Physiological condition Good. No significant faults observed. Tree is not tagged as located offsite.	29/05/2020	10.2	1.8	40+	C2

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Tree ID	No.	Species	Height (m)	Stem diameter (cm)	No. of Stems	CROWN SPREAD (m) N	NE	E	SE	S	SW	W	NW	Crown clearance (m)	L.B. (m)	Life stage	Condition Notes	Survey date	RPA (m^2)	RPR (m)	Life expectancy (yrs)	BS Category
Tree T237	1	Betula pendula (Silver Birch)	7.0	12	1	2.0		2.0		2.0		2.0		1.0		Semi Mature	Structural condition Good. Physiological condition Good. No significant faults observed. Tree is not tagged as located offsite.	29/05/2020	6.5	1.4	40+	C2
Tree T238	1	Alnus glutinosa (Common Alder)	7.0	12	1	2.5		2.5		2.5		2.5		1.5		Semi Mature	Structural condition Good. Physiological condition Good. No significant faults observed. Root environment - Restricted. Tree is not tagged as located offsite.	29/05/2020	6.5	1.4	40+	C1
Tree T239	1	Acer platanoides (Norway Maple)	5.0	12	1	1.5		1.5		1.0		1.5		1.0		Semi Mature	Structural condition Fair. Physiological condition Fair. Die-back - Upper crown. Deadwood - Minor.	29/05/2020	6.5	1.4	20-40	C2
Tree T240	1	Crataegus monogyna (Common Hawthorn/Quick/May)	3.0	15	1		2.0		2.0		2.0		2.0	0.0		Semi Mature	Structural condition Good. Physiological condition Good. No significant faults observed.	29/05/2020	10.2	1.8	40+	C1
Tree T241	1	Alnus glutinosa (Common Alder)	7.5	15	1	2.5		2.5		2.5		2.5		1.5		Semi Mature	Structural condition Good. Physiological condition Good. No significant faults observed. Root environment - Restricted. Tree is not tagged as located offsite.	29/05/2020	10.2	1.8	40+	C1
Tree T242	1	Prunus sp. (Cherry sp.)	5.0	13	1	2.5		2.5		2.5		2.5		2.5		Semi Mature	Structural condition Good. Physiological condition Good. No significant faults observed. Tree is not tagged as located offsite.	29/05/2020	7.6	1.6	40+	C1
Tree T243	1	Prunus sp. (Cherry sp.)	5.0	13	1	2.5		2.5		2.5		2.5		2.5		Semi Mature	Structural condition Good. Physiological condition Good. No significant faults observed. Tree is not tagged as located offsite.	29/05/2020	7.6	1.6	40+	C1
Tree T244	1	Prunus sp. (Cherry sp.)	6.0	14	1	3.0		3.0		3.0		3.0		2.5		Semi Mature	Structural condition Good. Physiological condition Good. No significant faults observed. Tree is not tagged as located offsite.	29/05/2020	8.9	1.7	40+	C1

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Tree ID	No.	Species	Height (m)	Stem diameter (cm)	No. of Stems	CROWN SPREAD (m) N	NE	E	SE	S	SW	W	NW	Crown clearance (m)	L.B. (m)	Life stage	Condition Notes	Survey date	RPA (m^2)	RPR (m)	Life expectancy (yrs)	BS Category
Tree T245	1	Prunus sp. (Cherry sp.)	5.0	10	1	2.5		2.5		2.5		2.5		2.5		Semi Mature	Structural condition Good. Physiological condition Good. No significant faults observed. Tree is not tagged as located offsite.	29/05/2020	4.5	1.2	40+	C1
Tree T246	1	Prunus sp. (Cherry sp.)	5.0	10	1	2.0		2.0		2.0		2.0		2.5		Semi Mature	Structural condition Good. Physiological condition Good. No significant faults observed. Tree is not tagged as located offsite.	29/05/2020	4.5	1.2	40+	C1
Tree T247	1	Prunus sp. (Cherry sp.)	5.0	13	1	2.5		2.5		2.5		2.5		2.5		Semi Mature	Structural condition Good. Physiological condition Good. No significant faults observed. Tree is not tagged as located offsite.	29/05/2020	7.6	1.6	40+	C1
Tree T248	1	Pinus sylvestris (Scots Pine)	6.0	12	1	2.5		2.5		2.0		1.0		1.0		Semi Mature	Structural condition Good. Physiological condition Good. No significant faults observed. Tree is not tagged as located offsite.	29/05/2020	6.5	1.4	40+	C1
Tree T249	1	Betula pendula (Silver Birch)	9.0	15	1	2.5		2.5		2.5		2.5		1.5		Semi Mature	Structural condition Good. Physiological condition Good. No significant faults observed. Tree is not tagged as located offsite.	29/05/2020	10.2	1.8	40+	C1
Tree T250	1	Pinus sylvestris (Scots Pine)	5.0	12	1	2.5		2.5		1.0		1.5		1.0		Semi Mature	Structural condition Good. Physiological condition Good. No significant faults observed. Tree is not tagged as located offsite.	29/05/2020	6.5	1.4	40+	C1

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Table 1 of BS5837 (2012) **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 health and/or safety of other trees nearby, or very low quality trees suppressing adjacent trees of better quality NOTE Category U trees can have existing or potential conservation value which it might be desirable to preserve; see 4.5.7			**RED**
	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	Tree 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 arboricutural and/or landscape features.	Trees, groups or woodlands of significant conservation, historical, commemorative or other value (e.g. veteran trees or wood-pasture).	**GREEN**
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.	**BLUE**
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.	**GREY**

200319-PD-12 - Planning Tree Works Schedule

200319 - Griffeen Community College

CHARLES MCCORKELL
ARBORICULTURAL CONSULTANCY

ID	No. / Species	BS5837 Category	Purpose of works Recommended works	Status
G184	20 *Alnus glutinosa* Common Alder 100 *Betula pendula* Silver Birch 50 *Cerasus avium* Wild Cherry 160 *Corylus avellana* Common Hazel 10 *Crataegus monogyna* Common Hawthorn/Quick/May 30 *Fraxinus excelsior* Ash 30 *Pinus sylvestris* Scots Pine 10 *Salix caprea* Goat Willow/Great Sallow	C2	To facilitate development Fell - Ground level. - Part removal of group as shown on the Tree Removals Plan.	Proposed
T185	1 *Fraxinus excelsior* Ash	U	To facilitate development Fell - Ground level.	Proposed
T186	1 *Fraxinus excelsior* Ash	C2	To facilitate development Fell - Ground level.	Proposed
T187	1 *Crataegus monogyna* Common Hawthorn/Quick/May	B1	To facilitate development Fell - Ground level.	Proposed
G188	2 *Crataegus monogyna* Common Hawthorn/Quick/May 5 *Prunus spinosa* Blackthorn/Sloe 50 *Rubus fruticosus s.* Blackberry/Bramble 3 *Sambucus nigra* Elder	C2	To facilitate development Fell - Ground level.	Proposed
T189	1 *Fraxinus excelsior* Ash	C2	To facilitate development Fell - Ground level.	Proposed
T190	1 *Fraxinus excelsior* Ash	C2	To facilitate development Fell - Ground level.	Proposed
T191	1 *Fraxinus excelsior* Ash	C2	To facilitate development Fell - Ground level.	Proposed
T192	1 *Fraxinus excelsior* Ash	U	To facilitate development Fell - Ground level.	Proposed
T193	1 *Fraxinus excelsior* Ash	C2	To facilitate development Fell - Ground level.	Proposed

ID	No. / Species	BS5837 Category	Purpose of works Recommended works	Status
G194	15 *Crataegus monogyna* Common Hawthorn/Quick/May 1 *Fraxinus excelsior* Ash 50 *Rubus fruticosus s.* Blackberry/Bramble	B2	To facilitate development Fell - Ground level. - Part removal of group as shown on the Tree Removals Plan.	Proposed
G195	5 *Crataegus monogyna* Common Hawthorn/Quick/May 10 *Rubus fruticosus s.* Blackberry/Bramble	C2	To facilitate development Fell - Ground level.	Proposed
G196	50 *Prunus spinosa* Blackthorn/Sloe 5 *Sambucus nigra* Elder	C2	To facilitate development Fell - Ground level.	Proposed
G197	20 *Crataegus monogyna* Common Hawthorn/Quick/May 10 *Prunus spinosa* Blackthorn/Sloe 50 *Rubus fruticosus s.* Blackberry/Bramble 10 *Sambucus nigra* Elder	C2	To facilitate development Fell - Ground level.	Proposed
T198	1 *Fraxinus excelsior* Ash	U	To facilitate development Fell - Ground level.	Proposed
G199	20 *Crataegus monogyna* Common Hawthorn/Quick/May 50 *Rubus fruticosus s.* Blackberry/Bramble 10 *Sambucus nigra* Elder	B2	To facilitate development Fell - Ground level.	Proposed
T200	1 *Fraxinus excelsior* Ash	U	To facilitate development Fell - Ground level.	Proposed
T201	1 *Fraxinus excelsior* Ash	C2	To facilitate development Fell - Ground level.	Proposed

ID	No. / Species	BS5837 Category	Purpose of works Recommended works	Status
G202	150 *Crataegus monogyna* Common Hawthorn/Quick/May 5 *Fraxinus excelsior* Ash 10 *Prunus spinosa* Blackthorn/Sloe 50 *Rosa canina* Dog-rose 200 *Rubus fruticosus s.* Blackberry/Bramble 30 *Salix caprea* Goat Willow/Great Sallow 50 *Sambucus nigra* Elder	B2	To facilitate development Fell - Ground level. - Part removal of group as shown on the Tree Removals Plan.	Proposed
T203	1 *Fraxinus excelsior* Ash	U	To facilitate development Fell - Ground level.	Proposed
T204	1 *Fraxinus excelsior* Ash	C2	To facilitate development Fell - Ground level.	Proposed
T205	1 *Fraxinus excelsior* Ash	C2	To facilitate development Fell - Ground level.	Proposed
T206	1 *Fraxinus excelsior* Ash	C2	To facilitate development Fell - Ground level.	Proposed
T207	1 *Fraxinus excelsior* Ash	C2	To facilitate development Fell - Ground level.	Proposed
T208	1 *Fraxinus excelsior* Ash	C2	To facilitate development Fell - Ground level.	Proposed
T209	1 *Fraxinus excelsior* Ash	C2	To facilitate development Fell - Ground level.	Proposed
T210	1 *Sambucus nigra* Elder	C2	To facilitate development Fell - Ground level.	Proposed
T211	1 *Fraxinus excelsior* Ash	U	To facilitate development Fell - Ground level.	Proposed
T212	1 *Fraxinus excelsior* Ash	U	To facilitate development Fell - Ground level.	Proposed
T213	1 *Fraxinus excelsior* Ash	C2	To facilitate development Fell - Ground level.	Proposed
T214	1 *Fraxinus excelsior* Ash	C2	To facilitate development Fell - Ground level.	Proposed
T215	1 *Fraxinus excelsior* Ash	B3	To facilitate development Fell - Ground level.	Proposed
T216	1 *Fraxinus excelsior* Ash	C2	To facilitate development Fell - Ground level.	Proposed

ID	No. / Species	BS5837 Category	Purpose of works Recommended works	Status
T217	1 *Fraxinus excelsior* Ash	C2	To facilitate development Fell - Ground level.	Proposed
T218	1 *Fraxinus excelsior* Ash	U	To facilitate development Fell - Ground level.	Proposed
T219	1 *Fraxinus excelsior* Ash	U	To facilitate development Fell - Ground level.	Proposed
T220	1 *Fraxinus excelsior* Ash	C2	To facilitate development Fell - Ground level.	Proposed
T221	1 *Fraxinus excelsior* Ash	U	To facilitate development Fell - Ground level.	Proposed
T222	1 *Fraxinus excelsior* Ash	U	To facilitate development Fell - Ground level.	Proposed
T223	1 *Fraxinus excelsior* Ash	U	To facilitate development Fell - Ground level.	Proposed
T224	1 *Quercus robur* English Oak	C1	To facilitate development Fell - Ground level.	Proposed
T225	1 *Crataegus monogyna* Common Hawthorn/Quick/May	C1	To facilitate development Fell - Ground level.	Proposed
T226	1 *Crataegus monogyna* Common Hawthorn/Quick/May	B1	To facilitate development Fell - Ground level.	Proposed
T227	1 *Crataegus monogyna* Common Hawthorn/Quick/May	C1	To facilitate development Fell - Ground level.	Proposed
T228	1 *Crataegus monogyna* Common Hawthorn/Quick/May	C1	To facilitate development Fell - Ground level.	Proposed
T229	1 *Crataegus monogyna* Common Hawthorn/Quick/May	C1	To facilitate development Fell - Ground level.	Proposed

Tree work analysis (trees and trees in groups)

	To facilitate development	Total
Fell - Ground level	46	46
Total	46	46

Appendix B - Plans

Document	Reference	Revision
Tree Survey Plan	200319-P-10	-
Proposed Layout & Tree Removals Plan	200319-P-11	-

Tree Schedule

Griffeen Community College

Co. Dublin

May 2020

200319-PD-10

Charles McCorkell
Arboricultural Consultancy

Charles McCorkell
Arboricultural Consultancy

200319 - Griffeen Community College

Tree ID	No.	Species	Height (m)	Stem diameter (cm)	No. of Stems	CROWN SPREAD (m) N	NE	E	SE	S	SW	W	NW	Crown clearance (m)	L.B. (m)	Life stage	Condition Notes / Recommendations	Survey date	RPA (m^2)	RPR (m)	Life expectancy (yrs)	BS Category
Tree T175	1	Carpinus betulus 'Fastigiata' (Fastigiate Hornbeam)	8.0	20	1	2.5		2.5		2.0		2.0		2.0		Early Mature	Structural condition Good. Physiological condition Good. Root environment - Restricted. Tree is not tagged as located offsite.	29/05/2020	18.1	2.4	40+	B2
Tree T176	1	Carpinus betulus 'Fastigiata' (Fastigiate Hornbeam)	8.0	21	1	2.5		2.0		2.0		2.0		2.0		Early Mature	Structural condition Good. Physiological condition Good. Bark wound - Minor. Root environment - Restricted. Tree is not tagged as located offsite.	29/05/2020	20.0	2.5	40+	B2
Tree T177	1	Carpinus betulus 'Fastigiata' (Fastigiate Hornbeam)	8.0	22	1	2.5		2.5		2.0		2.5		2.0		Early Mature	Structural condition Good. Physiological condition Good. Bark wound - Minor. Root environment - Restricted. Tree is not tagged as located offsite.	29/05/2020	21.9	2.6	40+	B2
Tree T178	1	Carpinus betulus 'Fastigiata' (Fastigiate Hornbeam)	8.0	23	1	2.5		2.5		2.5		2.0		2.0		Early Mature	Structural condition Good. Physiological condition Good. Bark wound - Minor. Root environment - Restricted. Tree is not tagged as located offsite.	29/05/2020	23.9	2.8	40+	B2
Tree T179	1	Carpinus betulus 'Fastigiata' (Fastigiate Hornbeam)	8.0	19	1	2.5		2.5		2.5		2.5		2.0		Early Mature	Structural condition Good. Physiological condition Good. Bark wound - Minor. Root environment - Restricted. Tree is not tagged as located offsite.	29/05/2020	16.3	2.3	40+	B2
Tree T180	1	Carpinus betulus 'Fastigiata' (Fastigiate Hornbeam)	8.0	21	1	2.0		2.5		2.5		2.5		2.0		Early Mature	Structural condition Good. Physiological condition Good. Bark wound - Minor. Root environment - Restricted. Tree is not tagged as located offsite.	29/05/2020	20.0	2.5	40+	B2
Tree T181	1	Quercus robur (English Oak)	4.5	10	1	1.5		2.0		1.5		2.0		1.5		Young	Structural condition Fair. Physiological condition Good. Access to inspect base - Not possible. Unable to inspect tree closely due to dense scrub. Tree is not tagged as access to stem is restricted.	29/05/2020	4.5	1.2	20-40	C2

Stem **green** Estimated value
Stem **AVE** Average stem diameter for tree groups
Stem **COM** Combined stem diameter in accordance with BS5837
L.B. Height of lowest branch attachment (m) - where relevant

The survey information in this schedule has been gathered following a BS5837 survey for planning purposes. Where hazardous trees have been noted recommendations for works may have been made but this survey cannot be relied upon as a full health and safety assessment of the trees.

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Tree ID	No.	Species	Height (m)	Stem diameter (cm)	No. of Stems	CROWN SPREAD (m) N	NE	E	SE	S	SW	W	NW	Crown clearance (m)	L.B. (m)	Life stage	Condition Notes / Recommendations	Survey date	RPA (m^2)	RPR (m)	Life expectancy (yrs)	BS Category
Tree T182	1	Quercus robur (English Oak)	4.0	8	1	1.5		1.5		1.0		1.5		1.0		Young	Structural condition Fair. Physiological condition Good. Access to inspect base - Not possible. Unable to inspect tree closely due to dense scrub. Tree is not tagged as access to stem is restricted.	29/05/2020	2.9	1.0	20-40	C2
Tree T183	1	Acer pseudoplatanus (Sycamore)	4.0	10 COM	4	1.0		2.0		1.5		1.5		0.0		Young	Structural condition Fair. Physiological condition Good. Natural regeneration. Tree not tagged due to young age and small size.	29/05/2020	4.5	1.2	10-20	C2

Stem **green** Estimated value
Stem **AVE** Average stem diameter for tree groups
Stem **COM** Combined stem diameter in accordance with BS5837
L.B. Height of lowest branch attachment (m) - where relevant

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Tree ID	No.	Species	Height (m)	Stem diameter (cm)	No. of Stems	CROWN SPREAD (m) N	NE	E	SE	S	SW	W	NW	Crown clearance (m)	L.B. (m)	Life stage	Condition Notes / Recommendations	Survey date	RPA (m^2)	RPR (m)	Life expectancy (yrs)	BS Category
Group G184	20	Alnus glutinosa (Common Alder)	6.0	12 AVE	1									0.0		Semi Mature	Structural condition Good. Physiological condition Good. Competition - Adjacent trees. Height and stem diameter are average for group. Quantities estimated only. Tree group growing on eastern side of ditch. Good boundary planting along roadside with god future potential. Provides beneficial acoustic and visual screening. C Category grade only due to their age and size of stems which is generally below 15cm in diameter.	29/05/2020	6.5	1.4	40+	C2
	100	Betula pendula (Silver Birch)																				
	50	Cerasus avium (Wild Cherry)																				
	160	Corylus avellana (Common Hazel)																				
	10	Crataegus monogyna (Common Hawthorn/Quick/May)																				
	30	Fraxinus excelsior (Ash)																				
	30	Pinus sylvestris (Scots Pine)																				
	10	Salix caprea (Goat Willow/Great Sallow)																				
Tree T185	1	Fraxinus excelsior (Ash)	6.0	15	1	2.0		2.0		2.0		2.0		1.0		Early Mature	Structural condition Poor. Physiological condition Poor. Access to inspect base - Not possible. Die-back - Throughout crown. Decline - Evident / observed. Ivy or climbing plant. Unable to inspect tree closely due to dense scrub. Tree is not tagged as access to stem is restricted.	29/05/2020	10.2	1.8	0-10	U

Stem **green** Estimated value
Stem **AVE** Average stem diameter for tree groups
Stem **COM** Combined stem diameter in accordance with BS5837
L.B. Height of lowest branch attachment (m) - where relevant

The survey information in this schedule has been gathered following a BS5837 survey for planning purposes. Where hazardous trees have been noted recommendations for works may have been made but this survey cannot be relied upon as a full health and safety assessment of the trees.

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Tree ID	No.	Species	Height (m)	Stem diameter (cm)	No. of Stems	CROWN SPREAD (m) N	NE	E	SE	S	SW	W	NW	Crown clearance (m)	L.B. (m)	Life stage	Condition Notes / Recommendations	Survey date	RPA (m^2)	RPR (m)	Life expectancy (yrs)	BS Category
Tree T186	1	Fraxinus excelsior (Ash)	7.0	15	1		2.5		2.5		1.0		2.5	2.0		Early Mature	Structural condition Fair. Physiological condition Fair. Access to inspect base - Not possible. Suppressed crown - Minor. Unbalanced crown - Minor. Unable to inspect tree closely due to dense scrub. Tree is not tagged as access to stem is restricted.	29/05/2020	10.2	1.8	10-20	C2
Tree T187	1	Crataegus monogyna (Common Hawthorn/Quick/May)	7.0	40	1		3.5		3.5		3.5		3.5	2.0		Early Mature	Structural condition Fair. Physiological condition Fair. Access to inspect base - Restricted / obscured. Ivy or climbing plant. Unable to inspect tree closely due to scrub and ivy cover. Tree is not tagged as access to stem is restricted.	29/05/2020	72.4	4.8	20-40	B1
Group G188	50	Rubus fruticosus s. (Blackberry/Bramble)	2.0	8 AVE	1									0.0		Early Mature	Structural condition Fair. Physiological condition Fair. Competition - Adjacent vegetation. Hedgerow - Neglected / overgrown. Height and stem diameter are average for group. Quantities estimated only. Group consists mainly of bramble with a small number of self-seeded trees. Likely an overgrown section of hedgerow.	29/05/2020	2.9	1.0	20-40	C2
	5	Prunus spinosa (Blackthorn/Sloe)																				
	3	Sambucus nigra (Elder)																				
	2	Crataegus monogyna (Common Hawthorn/Quick/May)																				
Tree T189	1	Fraxinus excelsior (Ash)	12.0	45	1		4.0		6.0		6.0		6.0	0.0		Mature	Structural condition Fair. Physiological condition Fair. Access to inspect base - Not possible. Competition - Adjacent trees. Tree is not tagged as access to stem is restricted. Unable to inspect tree closely due to dense scrub.	29/05/2020	91.6	5.4	20-40	C2

Stem **green** Estimated value
Stem **AVE** Average stem diameter for tree groups
Stem **COM** Combined stem diameter in accordance with BS5837
L.B. Height of lowest branch attachment (m) - where relevant

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Tree ID	No.	Species	Height (m)	Stem diameter (cm)	No. of Stems	CROWN SPREAD (m) N	NE	E	SE	S	SW	W	NW	Crown clearance (m)	L.B. (m)	Life stage	Condition Notes / Recommendations	Survey date	RPA (m^2)	RPR (m)	Life expectancy (yrs)	BS Category
Tree T190	1	Fraxinus excelsior (Ash)	12.0	30	1		3.0		4.0		2.0		4.0	0.0		Early Mature	Structural condition Fair. Physiological condition Fair. Access to inspect base - Not possible. Competition - Adjacent trees. Tree is not tagged as access to stem is restricted. Unable to inspect tree closely due to dense scrub.	29/05/2020	40.7	3.6	20-40	C2
Tree T191	1	Fraxinus excelsior (Ash)	10.0	25	1		3.0		3.0		3.0		3.0	0.0		Early Mature	Structural condition Fair. Physiological condition Fair. Access to inspect base - Not possible. Competition - Adjacent trees. Tree is not tagged as access to stem is restricted. Unable to inspect tree closely due to dense scrub.	29/05/2020	28.3	3.0	20-40	C2
Tree T192	1	Fraxinus excelsior (Ash)	11.0	30	1		3.0		6.0		3.5		0.0	0.0		Early Mature	Structural condition Poor. Physiological condition Fair. Access to inspect base - Not possible. Competition - Adjacent trees. Leaning trunk - Major. Storm damage. Tree is not tagged as access to stem is restricted. Unable to inspect tree closely due to dense scrub.	29/05/2020	40.7	3.6	0-10	U
Tree T193	1	Fraxinus excelsior (Ash)	9.0	30	1		5.0		6.0		3.0		5.0	0.0		Early Mature	Structural condition Fair. Physiological condition Fair. Access to inspect base - Not possible. Competition - Adjacent trees. Tree is not tagged as access to stem is restricted. Unable to inspect tree closely due to dense scrub.	29/05/2020	40.7	3.6	20-40	C2
Group G194	15	Crataegus monogyna (Common Hawthorn/Quick/May)	6.0	25 AVE	1									0.0		Mature	Structural condition Fair. Physiological condition Fair. Access to inspect base - Not possible. Habitat - High value. Hedgerow - Neglected / overgrown. Height and stem diameter are average for group. Quantities estimated only. Hedgerow consists mainly of hawthorn and brambles.	29/05/2020	28.3	3.0	20-40	B2
	1	Fraxinus excelsior (Ash)																				
	50	Rubus fruticosus s. (Blackberry/Bramble)																				

Stem **green** Estimated value
Stem **AVE** Average stem diameter for tree groups
Stem **COM** Combined stem diameter in accordance with BS5837
L.B. Height of lowest branch attachment (m) - where relevant

The survey information in this schedule has been gathered following a BS5837 survey for planning purposes. Where hazardous trees have been noted recommendations for works may have been made but this survey cannot be relied upon as a full health and safety assessment of the trees.

200319 - Griffeen Community College

Tree ID	No.	Species	Height (m)	Stem diameter (cm)	No. of Stems	CROWN SPREAD (m) N	NE	E	SE	S	SW	W	NW	Crown clearance (m)	L.B. (m)	Life stage	Condition Notes / Recommendations	Survey date	RPA (m^2)	RPR (m)	Life expectancy (yrs)	BS Category
Group G195	5	Crataegus monogyna (Common Hawthorn/Quick/May)	5.0	20 AVE	1									0.0		Early Mature	Structural condition Fair. Physiological condition Fair. Access to inspect base - Not possible. Habitat - High value. Hedgerow - Neglected / overgrown. Height and stem diameter are average for group. Quantities estimated only. Understorey hedgerow consists of hawthorn and brambles.	29/05/2020	18.1	2.4	20-40	C2
	10	Rubus fruticosus s. (Blackberry/Bramble)																				
Group G196	50	Prunus spinosa (Blackthorn/Sloe)	3.5	15 AVE	1									0.0		Early Mature	Structural condition Fair. Physiological condition Fair. Natural regeneration. Height and stem diameter are average for group. Quantities estimated only.	29/05/2020	10.2	1.8	20-40	C2
	5	Sambucus nigra (Elder)																				
Group G197	50	Rubus fruticosus s. (Blackberry/Bramble)	5.0	25 AVE	1									0.0		Mature	Structural condition Fair. Physiological condition Fair. Access to inspect base - Not possible. Habitat - High value. Hedgerow - Neglected / overgrown. Height and stem diameter are average for group. Quantities estimated only. Hedgerow consists hawthorn and brambles. Sparser hedgerow and therefore a borderline C/B Category.	29/05/2020	28.3	3.0	20-40	C2
	20	Crataegus monogyna (Common Hawthorn/Quick/May)																				
	10	Prunus spinosa (Blackthorn/Sloe)																				
	10	Sambucus nigra (Elder)																				
Tree T198	1	Fraxinus excelsior (Ash)	13.0	35 COM	2	5.0		5.0		5.0		1.5		2.0		Mature	Structural condition Poor. Physiological condition Fair. Arboricultural work - Historic. Competition - Adjacent trees. Ivy or climbing plant. Poor past pruning. Unbalanced crown - Major. Tree is not tagged as access to stem is restricted. Unable to inspect tree closely due to dense scrub.	29/05/2020	56.5	4.2	0-10	U

Stem **green** Estimated value
Stem **AVE** Average stem diameter for tree groups
Stem **COM** Combined stem diameter in accordance with BS5837
L.B. Height of lowest branch attachment (m) - where relevant

The survey information in this schedule has been gathered following a BS5837 survey for planning purposes. Where hazardous trees have been noted recommendations for works may have been made but this survey cannot be relied upon as a full health and safety assessment of the trees.

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Tree ID	No.	Species	Height (m)	Stem diameter (cm)	No. of Stems	CROWN SPREAD (m) N	NE	E	SE	S	SW	W	NW	Crown clearance (m)	L.B. (m)	Life stage	Condition Notes / Recommendations	Survey date	RPA (m^2)	RPR (m)	Life expectancy (yrs)	BS Category
Group G199	50	Rubus fruticosus s. (Blackberry/Bramble)	5.0	25 AVE	1									0.0		Mature	Structural condition Fair. Physiological condition Fair. Access to inspect base - Not possible. Habitat - High value. Hedgerow - Neglected / overgrown. Height and stem diameter are average for group. Quantities estimated only. Hedgerow consists of hawthorn, brambles and elder.	29/05/2020	28.3	3.0	20-40	B2
	20	Crataegus monogyna (Common Hawthorn/Quick/May)																				
	10	Sambucus nigra (Elder)																				
Tree T200	1	Fraxinus excelsior (Ash)	13.0	34 COM	3		7.0		2.0		6.0		4.0	2.5		Mature	Structural condition Poor. Physiological condition Poor. Access to inspect base - Not possible. Coppice stool - Coppice origin / Mature stems. Die-back - Throughout crown. Decline - Evident / observed. Deadwood - Minor. Decay / structural defect - Suspected. Ivy or climbing plant. Multi-stemmed. Unbalanced crown - Minor. Tree is not tagged as access to stem is restricted. Unable to inspect tree closely due to dense scrub. Fell - Ground level.	29/05/2020	54.3	4.2	0-10	U
Tree T201	1	Fraxinus excelsior (Ash)	10.0	30	1		4.0		4.0		4.0		4.0	0.0		Early Mature	Structural condition Fair. Physiological condition Fair. Access to inspect base - Not possible. Competition - Adjacent trees. Tree is not tagged as access to stem is restricted. Unable to inspect tree closely due to dense scrub.	29/05/2020	40.7	3.6	10-20	C2

Stem **green** Estimated value
Stem **AVE** Average stem diameter for tree groups
Stem **COM** Combined stem diameter in accordance with BS5837
L.B. Height of lowest branch attachment (m) - where relevant

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Tree ID	No.	Species	Height (m)	Stem diameter (cm)	No. of Stems	CROWN SPREAD (m) N	NE	E	SE	S	SW	W	NW	Crown clearance (m)	L.B. (m)	Life stage	Condition Notes / Recommendations	Survey date	RPA (m^2)	RPR (m)	Life expectancy (yrs)	BS Category
Group G202	150	Crataegus monogyna (Common Hawthorn/Quick/May)	5.0	25 AVE	1									0.0		Mature	Structural condition Fair. Physiological condition Fair. Access to inspect base - Not possible. Coppice stool - Coppice origin / Mature stems. Habitat - High value. Hedgerow - Neglected / overgrown. Height and stem diameter are average for group. Quantities estimated only. Hedgerow consists mainly of hawthorn and brambles. Some ash trees that have not individually been recorded within the group have been coppiced and have regrown.	29/05/2020	28.3	3.0	20-40	B2
	5	Fraxinus excelsior (Ash)																				
	10	Prunus spinosa (Blackthorn/Sloe)																				
	50	Rosa canina (Dog-rose)																				
	200	Rubus fruticosus s. (Blackberry/Bramble)																				
	30	Salix caprea (Goat Willow/Great Sallow)																				
	50	Sambucus nigra (Elder)																				
Tree T203	1	Fraxinus excelsior (Ash)	10.0	28	1	4.0		4.0		2.0		4.0		1.0		Early Mature	Structural condition Fair. Physiological condition Poor. Competition - Adjacent trees. Die-back - Upper crown. Decline - Suspected.	29/05/2020	35.5	3.4	0-10	U
Tree T204	1	Fraxinus excelsior (Ash)	11.0	20	1	3.0		3.0		3.0		3.0		0.0		Early Mature	Structural condition Fair. Physiological condition Fair. Competition - Adjacent trees. Fork - Weak with included bark.	29/05/2020	18.1	2.4	20-40	C2

Stem **green** Estimated value
Stem **AVE** Average stem diameter for tree groups
Stem **COM** Combined stem diameter in accordance with BS5837
L.B. Height of lowest branch attachment (m) - where relevant

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Tree ID	No.	Species	Height (m)	Stem diameter (cm)	No. of Stems	CROWN SPREAD (m) N	NE	E	SE	S	SW	W	NW	Crown clearance (m)	L.B. (m)	Life stage	Condition Notes / Recommendations	Survey date	RPA (m^2)	RPR (m)	Life expectancy (yrs)	BS Category
Tree T205	1	Fraxinus excelsior (Ash)	11.0	20	1		3.0		3.0		3.0		3.0	0.0		Early Mature	Structural condition Fair. Physiological condition Fair. Competition - Adjacent trees.	29/05/2020	18.1	2.4	20-40	C2
Tree T206	1	Fraxinus excelsior (Ash)	11.0	25	1		3.0		3.0		2.0		4.0	0.0		Early Mature	Structural condition Fair. Physiological condition Fair. Competition - Adjacent trees.	29/05/2020	28.3	3.0	20-40	C2
Tree T207	1	Fraxinus excelsior (Ash)	11.0	25	1		3.0		2.0		3.0		5.0	0.0		Early Mature	Structural condition Fair. Physiological condition Fair. Competition - Adjacent trees.	29/05/2020	28.3	3.0	20-40	C2
Tree T208	1	Fraxinus excelsior (Ash)	12.0	38	1		5.0		5.0		5.0		3.0	0.0		Mature	Structural condition Fair. Physiological condition Fair. Competition - Adjacent trees. Ivy or climbing plant.	29/05/2020	65.3	4.6	20-40	C2
Tree T209	1	Fraxinus excelsior (Ash)	11.0	30	1		3.0		4.0		5.0		4.0	0.0		Early Mature	Structural condition Fair. Physiological condition Fair. Competition - Adjacent trees.	29/05/2020	40.7	3.6	20-40	C2
Tree T210	1	Sambucus nigra (Elder)	8.0	50 COM	4		7.0		4.0		3.5		5.0	0.0		Mature	Structural condition Fair. Physiological condition Fair. Branch - Broken. Competition - Adjacent trees. Unbalanced crown - Minor.	29/05/2020	113.1	6.0	10-20	C2
Tree T211	1	Fraxinus excelsior (Ash)	13.0	43 COM	3		5.0		5.0		4.0		5.0	3.0		Mature	Structural condition Poor. Physiological condition Fair. Competition - Adjacent trees. Coppice stool - Coppice origin / Mature stems. Deadwood - Minor. Decay / structural defect - Base. Ivy or climbing plant.	29/05/2020	84.8	5.2	0-10	U
Tree T212	1	Fraxinus excelsior (Ash)	9.0	33 COM	5		3.0		4.0		4.0		4.0	0.0		Early Mature	Structural condition Poor. Physiological condition Poor. Access to inspect base - Not possible. Competition - Adjacent trees. Coppice stool - Coppice origin / Mature stems. Die-back - Upper crown. Decline - Evident / observed. Decay / structural defect - Base.	29/05/2020	50.9	4.0	0-10	U
Tree T213	1	Fraxinus excelsior (Ash)	11.0	32 COM	2		3.0		4.0		4.0		4.0	2.0		Early Mature	Structural condition Fair. Physiological condition Fair. Competition - Adjacent trees. Deadwood - Minor.	29/05/2020	46.4	3.8	20-40	C2

Stem **green** Estimated value
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Tree ID	No.	Species	Height (m)	Stem diameter (cm)	No. of Stems	CROWN SPREAD (m) N	NE	E	SE	S	SW	W	NW	Crown clearance (m)	L.B. (m)	Life stage	Condition Notes / Recommendations	Survey date	RPA (m^2)	RPR (m)	Life expectancy (yrs)	BS Category
Tree T214	1	Fraxinus excelsior (Ash)	11.0	40	1		5.5		5.0		5.0		4.0	0.0		Early Mature	Structural condition Fair. Physiological condition Fair. Competition - Adjacent trees. Ivy or climbing plant. Unable to inspect tree closely due to ivy cover.	29/05/2020	72.4	4.8	20-40	C2
Tree T215	1	Fraxinus excelsior (Ash)	12.0	110 COM	10		7.0		8.0		7.0		8.0	0.0		Mature	Structural condition Fair. Physiological condition Fair. Coppice stool - Coppice origin / Mature stems. Decay / structural defect - Base. Ivy or climbing plant. Multi-stemmed.	29/05/2020	554.2	13.3	20-40	B3
Tree T216	1	Fraxinus excelsior (Ash)	12.0	30	1		2.0		4.0		8.0		5.0	1.0		Early Mature	Structural condition Fair. Physiological condition Fair. Branch weight - Heavy. Competition - Adjacent trees. Decay / structural defect - Minor. Unbalanced crown - Minor.	29/05/2020	40.7	3.6	20-40	C2
Tree T217	1	Fraxinus excelsior (Ash)	12.0	66 COM	5		8.0		6.5		5.5		3.0	1.0		Mature	Structural condition Fair. Physiological condition Fair. Competition - Adjacent trees. Coppice stool - Coppice origin / Mature stems. Ivy or climbing plant. Multi-stemmed.	29/05/2020	197.9	7.9	20-40	C2
Tree T218	1	Fraxinus excelsior (Ash)	12.0	50 COM	4		8.0		4.0		7.0		3.0	1.5		Mature	Structural condition Poor. Physiological condition Fair. Competition - Adjacent trees. Coppice stool - Coppice origin / Mature stems. Decay / structural defect - Base. Decay / structural defect - Extensive. Ivy or climbing plant. Multi-stemmed.	29/05/2020	113.1	6.0	0-10	U
Tree T219	1	Fraxinus excelsior (Ash)	12.0	40 COM	4		7.0		5.5		3.0		1.5	1.5		Mature	Structural condition Poor. Physiological condition Poor. Competition - Adjacent trees. Coppice stool - Coppice origin / Mature stems. Decay / structural defect - Extensive. Decay / structural defect - Suspected. Decay / structural defect - Bole. Ivy or climbing plant. Multi-stemmed. Shedding limb / limbs - Major. Storm damage. Unbalanced crown - Minor.	29/05/2020	72.4	4.8	0-10	U
Tree T220	1	Fraxinus excelsior (Ash)	12.0	50	1		8.0		3.0		5.0		4.5	2.0		Mature	Structural condition Fair. Physiological condition Fair. Access to inspect base - Restricted / obscured. Competition - Adjacent trees. Coppice stool - Coppice origin / Mature stems. Ivy or climbing plant. Multi-stemmed. Unable to inspect tree closely due to ivy cover.	29/05/2020	113.1	6.0	10-20	C2

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Tree ID	No.	Species	Height (m)	Stem diameter (cm)	No. of Stems	CROWN SPREAD (m) N	NE	E	SE	S	SW	W	NW	Crown clearance (m)	L.B. (m)	Life stage	Condition Notes / Recommendations	Survey date	RPA (m^2)	RPR (m)	Life expectancy (yrs)	BS Category
Tree T221	1	Fraxinus excelsior (Ash)	10.0	21 COM	2		1.0		2.5		5.5		2.5	1.5		Early Mature	Structural condition Poor. Physiological condition Poor. Bark wound - Major. Competition - Adjacent trees. Die-back - Upper crown. Decline - Evident / observed.	29/05/2020	20.4	2.5	0-10	U
Tree T222	1	Fraxinus excelsior (Ash)	13.0	55 COM	5		7.0		7.0		5.0		3.0	4.0		Mature	Structural condition Poor. Physiological condition Poor. Coppice stool - Coppice origin / Mature stems. Die-back - Throughout crown. Decline - Evident / observed. Deadwood - Minor. Decay / structural defect - Suspected. Ivy or climbing plant. Multi-stemmed. Fell - Ground level.	29/05/2020	141.4	6.7	0-10	U
Tree T223	1	Fraxinus excelsior (Ash)	10.0	34 COM	3		4.0		1.0		3.5		3.0	5.0		Early Mature	Structural condition Poor. Physiological condition Poor. Competition - Adjacent trees. Die-back - Throughout crown. Decline - Evident / observed. Deadwood - Minor. Ivy or climbing plant. Fell - Ground level.	29/05/2020	54.3	4.2	0-10	U
Tree T224	1	Quercus robur (English Oak)	3.0	9	1		2.0		1.5		1.0		1.5	0.0		Young	Structural condition Good. Physiological condition Good. Natural regeneration.	29/05/2020	3.7	1.1	40+	C1
Tree T225	1	Crataegus monogyna (Common Hawthorn/Quick/May)	5.0	18	1		2.5		2.5		2.0		2.5	0.0		Early Mature	Structural condition Good. Physiological condition Good. No significant faults observed.	29/05/2020	14.7	2.2	40+	C1
Tree T226	1	Crataegus monogyna (Common Hawthorn/Quick/May)	5.0	20	1		2.5		2.5		2.5		2.5	0.0		Early Mature	Structural condition Good. Physiological condition Good. No significant faults observed.	29/05/2020	18.1	2.4	40+	B1
Tree T227	1	Crataegus monogyna (Common Hawthorn/Quick/May)	5.0	18	1		2.5		2.5		1.5		2.0	0.0		Early Mature	Structural condition Good. Physiological condition Fair. No significant faults observed.	29/05/2020	14.7	2.2	20-40	C1
Tree T228	1	Crataegus monogyna (Common Hawthorn/Quick/May)	5.0	18	1		2.0		2.0		1.5		2.0	0.0		Early Mature	Structural condition Good. Physiological condition Fair. No significant faults observed.	29/05/2020	14.7	2.2	20-40	C1

Stem **green** Estimated value
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Tree ID	No.	Species	Height (m)	Stem diameter (cm)	No. of Stems	CROWN SPREAD (m) N	NE	E	SE	S	SW	W	NW	Crown clearance (m)	L.B. (m)	Life stage	Condition Notes / Recommendations	Survey date	RPA (m^2)	RPR (m)	Life expectancy (yrs)	BS Category
Tree T229	1	Crataegus monogyna (Common Hawthorn/Quick/May)	5.0	20	1		2.0		2.0		2.0		2.0	0.0		Early Mature	Structural condition Good. Physiological condition Good. No significant faults observed.	29/05/2020	18.1	2.4	40+	C1
Tree T230	1	Betula pendula (Silver Birch)	8.0	15	1	2.5	2.0	2.0	2.0		1.5					Semi Mature	Structural condition Good. Physiological condition Good. No significant faults observed. Tree is not tagged as located offsite.	29/05/2020	10.2	1.8	40+	C2
Tree T231	1	Betula pendula (Silver Birch)	7.5	14	1	2.5	2.5	2.5	2.5		1.0					Semi Mature	Structural condition Good. Physiological condition Good. No significant faults observed. Tree is not tagged as located offsite.	29/05/2020	8.9	1.7	40+	C2
Tree T232	1	Betula pendula (Silver Birch)	8.5	15	1	2.5	2.5	1.5	2.5		1.0					Semi Mature	Structural condition Good. Physiological condition Good. No significant faults observed. Tree is not tagged as located offsite.	29/05/2020	10.2	1.8	40+	C2
Tree T233	1	Betula pendula (Silver Birch)	8.5	13	1	2.0	2.0	2.0	2.0		1.5					Semi Mature	Structural condition Good. Physiological condition Good. No significant faults observed. Tree is not tagged as located offsite.	29/05/2020	7.6	1.6	40+	C2
Tree T234	1	Betula pendula (Silver Birch)	8.0	16	1	2.5	2.5	2.5	2.5		1.0					Semi Mature	Structural condition Good. Physiological condition Good. No significant faults observed. Tree is not tagged as located offsite.	29/05/2020	11.6	1.9	40+	C2
Tree T235	1	Betula pendula (Silver Birch)	9.0	13	1	2.0	2.0	2.0	2.0		1.0					Semi Mature	Structural condition Good. Physiological condition Good. No significant faults observed. Tree is not tagged as located offsite.	29/05/2020	7.6	1.6	40+	C2
Tree T236	1	Betula pendula (Silver Birch)	8.0	15	1	2.5	2.5	2.5	2.5		1.0					Semi Mature	Structural condition Good. Physiological condition Good. No significant faults observed. Tree is not tagged as located offsite.	29/05/2020	10.2	1.8	40+	C2

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Tree T237	1	Betula pendula (Silver Birch)	7.0	12	1	2.0		2.0		2.0		2.0		1.0		Semi Mature	Structural condition Good. Physiological condition Good. No significant faults observed. Tree is not tagged as located offsite.	29/05/2020	6.5	1.4	40+	C2
Tree T238	1	Alnus glutinosa (Common Alder)	7.0	12	1	2.5		2.5		2.5		2.5		1.5		Semi Mature	Structural condition Good. Physiological condition Good. No significant faults observed. Root environment - Restricted. Tree is not tagged as located offsite.	29/05/2020	6.5	1.4	40+	C1
Tree T239	1	Acer platanoides (Norway Maple)	5.0	12	1	1.5		1.5		1.0		1.5		1.0		Semi Mature	Structural condition Fair. Physiological condition Fair. Die-back - Upper crown. Deadwood - Minor.	29/05/2020	6.5	1.4	20-40	C2
Tree T240	1	Crataegus monogyna (Common Hawthorn/Quick/May)	3.0	15	1		2.0		2.0		2.0		2.0	0.0		Semi Mature	Structural condition Good. Physiological condition Good. No significant faults observed.	29/05/2020	10.2	1.8	40+	C1
Tree T241	1	Alnus glutinosa (Common Alder)	7.5	15	1	2.5		2.5		2.5		2.5		1.5		Semi Mature	Structural condition Good. Physiological condition Good. No significant faults observed. Root environment - Restricted. Tree is not tagged as located offsite.	29/05/2020	10.2	1.8	40+	C1
Tree T242	1	Prunus sp. (Cherry sp.)	5.0	13	1	2.5		2.5		2.5		2.5		2.5		Semi Mature	Structural condition Good. Physiological condition Good. No significant faults observed. Tree is not tagged as located offsite.	29/05/2020	7.6	1.6	40+	C1
Tree T243	1	Prunus sp. (Cherry sp.)	5.0	13	1	2.5		2.5		2.5		2.5		2.5		Semi Mature	Structural condition Good. Physiological condition Good. No significant faults observed. Tree is not tagged as located offsite.	29/05/2020	7.6	1.6	40+	C1
Tree T244	1	Prunus sp. (Cherry sp.)	6.0	14	1	3.0		3.0		3.0		3.0		2.5		Semi Mature	Structural condition Good. Physiological condition Good. No significant faults observed. Tree is not tagged as located offsite.	29/05/2020	8.9	1.7	40+	C1

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Tree ID	No.	Species	Height (m)	Stem diameter (cm)	No. of Stems	CROWN SPREAD (m) N	NE	E	SE	S	SW	W	NW	Crown clearance (m)	L.B. (m)	Life stage	Condition Notes / Recommendations	Survey date	RPA (m^2)	RPR (m)	Life expectancy (yrs)	BS Category
Tree T245	1	Prunus sp. (Cherry sp.)	5.0	10	1	2.5		2.5		2.5		2.5		2.5		Semi Mature	Structural condition Good. Physiological condition Good. No significant faults observed. Tree is not tagged as located offsite.	29/05/2020	4.5	1.2	40+	C1
Tree T246	1	Prunus sp. (Cherry sp.)	5.0	10	1	2.0		2.0		2.0		2.0		2.5		Semi Mature	Structural condition Good. Physiological condition Good. No significant faults observed. Tree is not tagged as located offsite.	29/05/2020	4.5	1.2	40+	C1
Tree T247	1	Prunus sp. (Cherry sp.)	5.0	13	1	2.5		2.5		2.5		2.5		2.5		Semi Mature	Structural condition Good. Physiological condition Good. No significant faults observed. Tree is not tagged as located offsite.	29/05/2020	7.6	1.6	40+	C1
Tree T248	1	Pinus sylvestris (Scots Pine)	6.0	12	1	2.5		2.5		2.0		1.0		1.0		Semi Mature	Structural condition Good. Physiological condition Good. No significant faults observed. Tree is not tagged as located offsite.	29/05/2020	6.5	1.4	40+	C1
Tree T249	1	Betula pendula (Silver Birch)	9.0	15	1	2.5		2.5		2.5		2.5		1.5		Semi Mature	Structural condition Good. Physiological condition Good. No significant faults observed. Tree is not tagged as located offsite.	29/05/2020	10.2	1.8	40+	C1
Tree T250	1	Pinus sylvestris (Scots Pine)	5.0	12	1	2.5		2.5		1.0		1.5		1.0		Semi Mature	Structural condition Good. Physiological condition Good. No significant faults observed. Tree is not tagged as located offsite.	29/05/2020	6.5	1.4	40+	C1

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Table 1 of BS5837 (2012) **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 health and/or safety of other trees nearby, or very low quality trees suppressing adjacent trees of better quality NOTE Category U trees can have existing or potential conservation value which it might be desirable to preserve; see 4.5.7			**RED**
	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	Tree 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 arboricutural and/or landscape features.	Trees, groups or woodlands of significant conservation, historical, commemorative or other value (e.g. veteran trees or wood-pasture).	**GREEN**
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.	**BLUE**
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.	**GREY**

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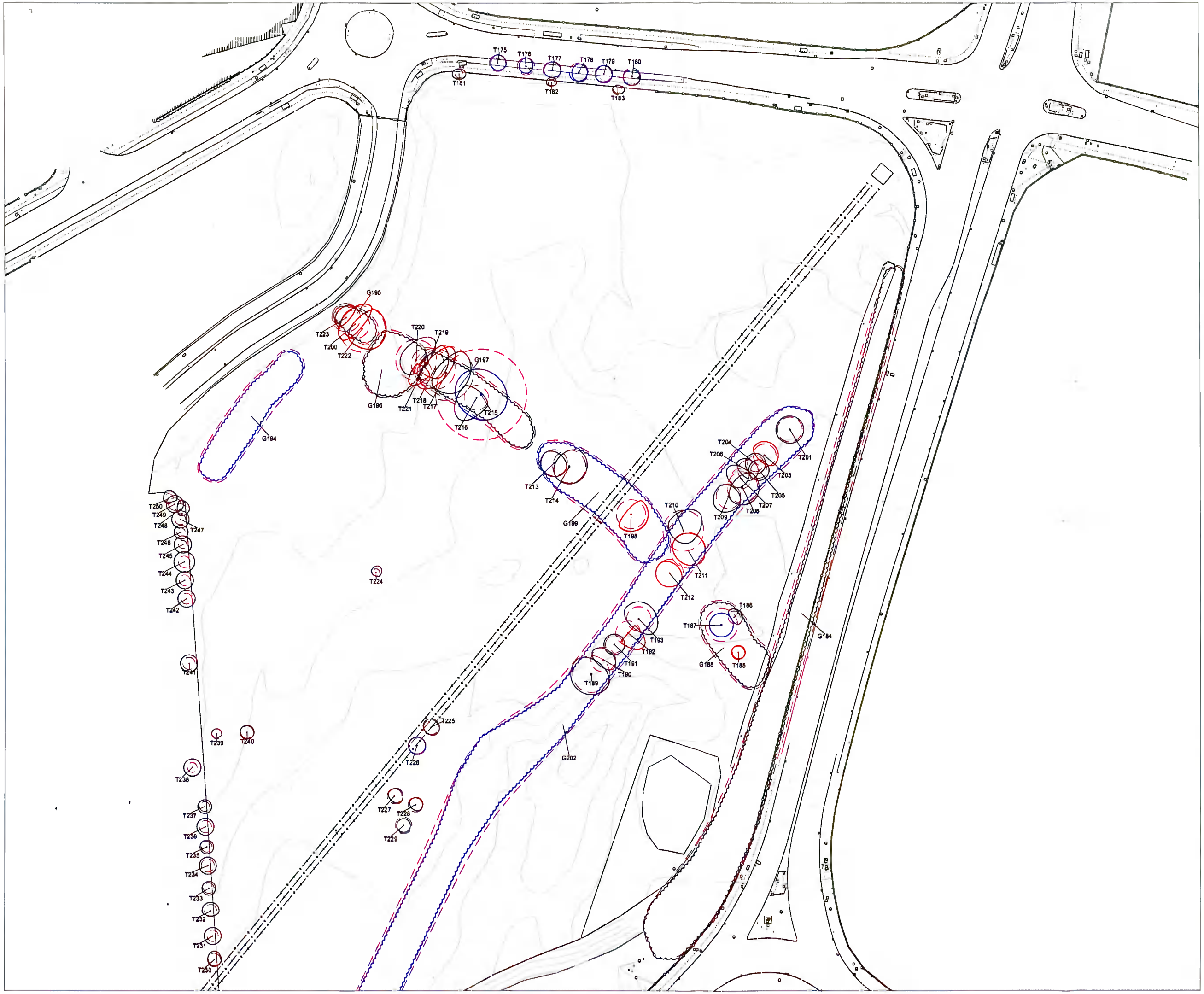

This drawing is to be read in conjunction with the respective arboricultural schedules and reports relevant to this project.

Where contradictions between this drawing and any other design information becomes apparent, the respective authors should be contacted immediately.

It is the responsibility of the main site contractor to check and verify all information and measurements onsite and confirm prior to the commencement of works, and to ensure that all site operatives work in accordance with respective arboricultural reports and BS5837:2012, Trees in relation to design, demolition and construction.

BS5837:2012 Tree Categorisation

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 life expectancy of at least 20 years

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

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

Key

Root Protection Areas
The minimum area around a tree deemed to contain sufficient roots and rooting volume to maintain the trees viability.

Tree, Shrub or Hedgerow Group.

T201 — Reference Number for Tree, Group or Hedgerow.

56.77 — Existing Levels.

N

0 5m 10m 20m 30m 40m 50m

Revision	Date	Description

Title:
Tree Survey Plan

Project:
Griffeen Community College

Client:
Department of Education & Skills

Date: May 2020		Scale: 1:500 @ A1	Status: Planning
Drawn by: CMcC		Dwg ref: 200319-P-10	Rev: -
Checked by: CMcC			

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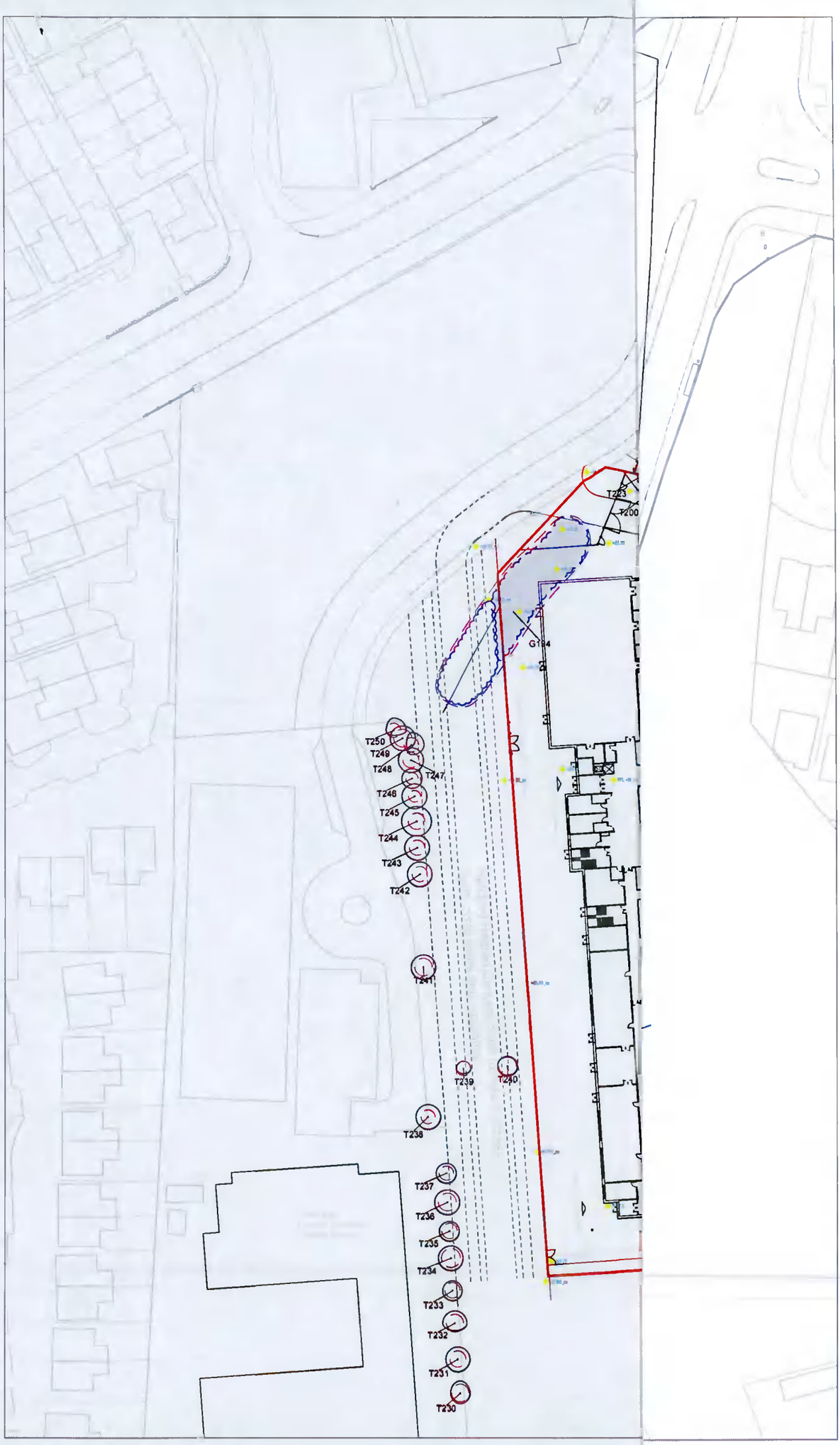

This drawing is to be read in conjunction with the respective arboricultural schedules and reports relevant to this project.

Where contradictions between this drawing and any other design information becomes apparent, the respective authors should be contacted immediately.

It is the responsibility of the main site contractor to check and verify all information and measurements onsite and confirm prior to the commencement of works, and to ensure that all site operatives work in accordance with respective arboricultural reports and BS5837:2012, Trees in relation to design, demolition and construction

BS5837:2012 Tree Categorisation

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 life expectancy of at least 20 years

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

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

Key

Root Protection Areas
The minimum area around a tree deemed to contain sufficient roots and rooting volume to maintain the trees viability.

Tree, Shrub or Hedgerow Group.

T201 — Reference Number for Tree, Group or Hedgerow.

Application Site boundary.

Trees and groups proposed to be removed highlighted in grey and dashed.

N

0 5m 10m 20m 30m 40m 50m

Revision	Date	Description

Title:
Proposed Layout & Tree Removals Plan

Project:
Griffeen Community College

Client:
Department of Education & Skills

Date:	May 2021	Scale: 1:500 @ A1	Status: Planning
Drawn by:	CMcC	Dwg ref: 200319-P-11	Rev: -
Checked by:	CMcC		

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