Arboricultural Report

Tree Survey,

Arboricultural Impact Assessment &

Arboricultural Method Statement

In relation to the development proposal at:

Fortlawn Avenue

Dublin 15

November 2024

241016-PD-11

CHARLES MCCORKELL
ARBORICULTURAL CONSULTANCY

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Section 1: Arboricultural Impact Assessment

1 Summary

1.1 This arboricultural report has been instructed by Fingal County Council (the 'Applicant') 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 works at Fortlawn Avenue, Dublin 15 (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 on 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 To facilitate the proposed development, 28 trees, 2 shrubs and 4 ornamental hedgerows of low quality (C Category) and 4 trees of poor quality (U Category) are required to be removed.

1.4 The loss of trees will not have a significant impact on the character and appearance of the surrounding local area due to their low and poor quality and limited public amenity value.

1.5 The proposed design has included space for new 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 visual appearance of the development and local landscape.

1.6 In conclusion, the proposed development is achievable in both arboricultural terms and in relation to local planning policy as it relates to trees. The proposal has been assessed in accordance with BS5837:2012 and can be successfully carried out without having a significant impact on the character or appearance of the surrounding landscape.

2 Introduction

Instructions

2.1 This arboricultural report has been instructed by Fingal County Council 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 works at Fortlawn Avenue, Dublin 15 .

Development proposal

2.2 The proposal is for the demolition of 4 existing dwellings and the construction of a new residential development with associated car parking, landscaping and all site infrastructure works necessary to facilitate the development.

Qualification and experience

2.3 The author of this report, Charles McCorkell, is a Chartered Arboricultural Consultant who deals 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 been 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	-	Section 2
Tree Schedule	241016-PD-10	Appendix A
Tree Survey Plan	241016-P-10	Appendix B
Tree Removals Plan	241016-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 5 November 2024. The purpose of the visit was to survey 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 Application Site comprises a public green space and 4 existing houses owned by Fingal County Council in Fortlawn Avenue (Map 1). The site is bounded by an existing hammer head road to the North and green space to the south, dividing Fortlawn Avenue and Fortlawn Park.

Map 1 (Google 2024): *Dashed yellow line showing the location of the site within the local area.*

Views of the site and trees

Photo 1: *View of the existing green which contains several young newly planted trees.*

Photo 2: *View of the ornamental hedgerows within the front gardens of No.81a and No.63a and the large eucalyptus (T33) within the rear garden of No.81a.*

Photo 3: *View of cherry (T39) located at the front of property No.23a.*

Photo 4: *View of the mixed cherry and apple trees (T17 to T21) located within the rear garden of property No.63a.*

4 Local Planning Policy

The Fingal Development Plan 2023 – 2029

4.1 The Fingal Development Plan 2023 – 2029 came into effect on 5th April 2023 and contains several policies that relate to trees, woodlands and hedgerows. Saved policies and objectives relating to this application include:

Chapter 9.6.9 Protection of Trees and Hedgerows

Policy GINHP21 – Protection of Trees and Hedgerows

Protect existing woodlands, trees and hedgerows that are of amenity or biodiversity value and/ or contribute to landscape character and ensure that proper provision is made for their protection and management.

Policy GINHP22 – Tree Planting

Provide for appropriate protection of trees and hedgerows, recognising their value to our natural heritage, biodiversity and climate action and encourage tree planting in appropriate locations.

Objective GINHO44 – Tree Removal

Ensure adequate justification for tree removal and require documentation and recording of reason where felling is proposed and avoid removal of trees without adequate justification.

Chapter 12. Development Management Standards – Tree Policy

Objective DMSO127 – Management of Trees and Hedgerows

Protect, preserve and ensure the effective management of trees and groups of trees and hedgerows.

Objective DMSO128 – Protection of Trees and Hedgerows during Development

Ensure during the course of development, trees and hedgerows that are conditioned for retention are fully protected in accordance with “BS5837 (2012) Trees in relation to the Design, Demolition and Construction – Recommendations” or as may be updated and are monitored by the appointed arboricultural consultant.

5 Technical Information

Tree data

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

Life stage analysis

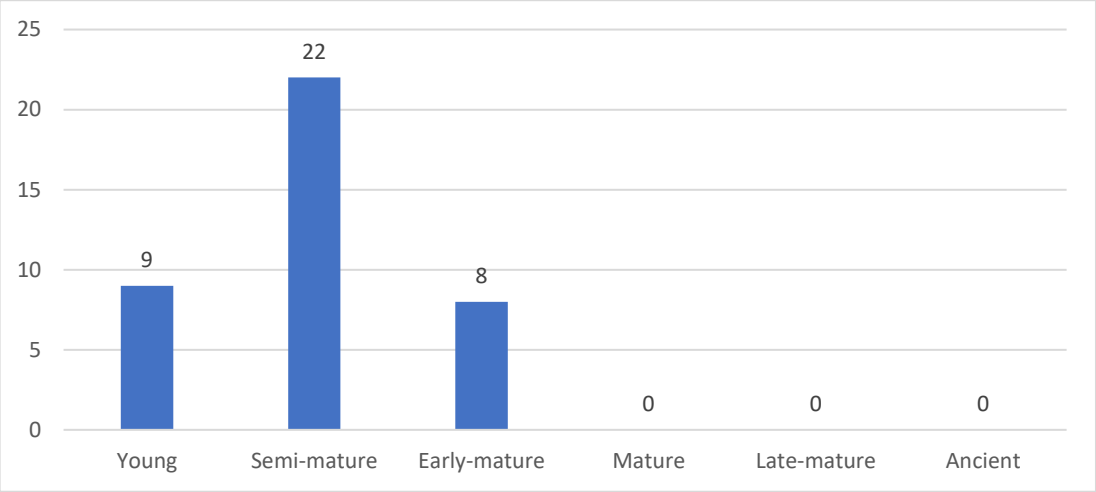

Figure 1: *Life stage analysis of the 39 survey entries recorded.*

BS5837 (2012) category breakdown

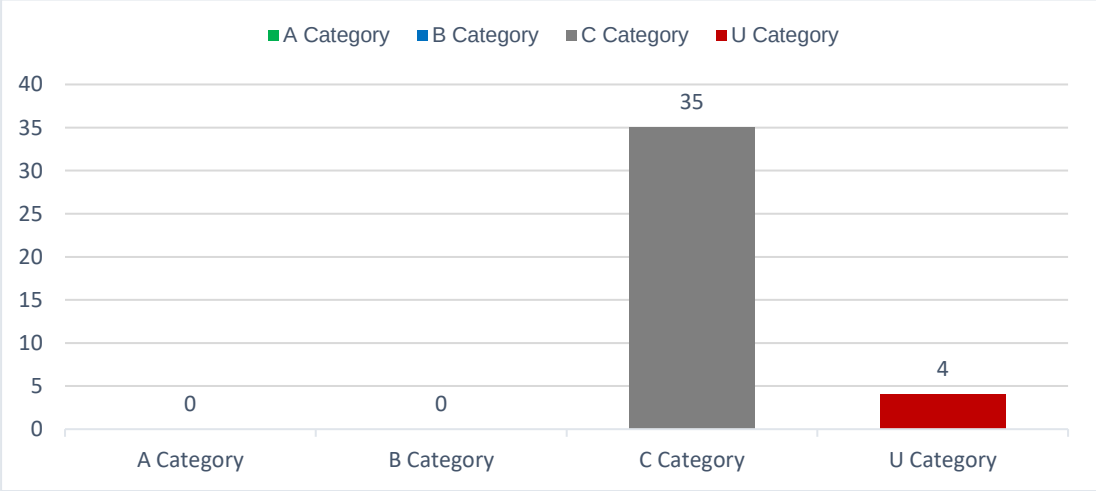

Figure 2: *Breakdown of BS5837:2012 categories of the 39 survey entries recorded.*

6 Analysis of the Proposal in Respect of Trees

Arboricultural Impacts

6.1 ***Loss of trees –*** The proposed development requires the removal of 28 trees, 2 shrubs and 4 ornamental hedgerows of low quality and value (C Category) and 4 trees of poor quality (U Category). Details of the proposed removals are specified within the Tree Schedule at Appendix A and are shown in the Tree Removals Plan at Appendix B.

6.2 The loss of trees required to facilitate the development will not have a significant impact on the character and appearance of the local surrounding areas. All trees to be removed are of low and poor quality, and of limited public amenity value.

Arboricultural mitigation

6.3 The prosed development has included sufficient space for new high-quality tree planting that can help mitigate the loss of trees and canopy cover in the medium to long term and have a positive impact on the character and appearance of the new development and the surrounding local landscape.

6.4 New tree and hedge planting should take into consideration planting location and the character of the local landscape. It is important that a diverse selection of species is chosen.

6.5 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 loss of trees required to facilitate the development has been assessed and will not have a significant impact on the character and appearance of the site or the local surrounding landscape. The trees to be removed are of low and poor quality and limited public amenity value only and can be sufficiently replaced with new tree planting and landscaping elsewhere on the site.

7.2 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 proposed development complies with local planning policy as it relates to trees. Although trees and hedgerows are required to be removed, these are of low and poor quality only and can be sufficiently replaced with new high-quality tree planting.

Conclusion

7.4 The proposal has been assessed in accordance with BS5837:2012 and can be successfully carried out without having a significant impact on the character or appearance of the surrounding landscape.

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. • Demolition. • Construction, including the installation of drainage and services. • Landscaping.	
Arboricultural Method Statement	
Scope	**Methodology**
Tree Removals	Please refer to the Tree Schedule at Appendix A for a list of all proposed tree removals. The location of trees to be removed is highlighted on the Tree Removals Plan at Appendix B. It is the responsibility of the Site Manager to ensure all tree removals have been approved by the local planning authority. All tree removals will be carried out by a reputable arboricultural contractor in accordance with the recommendations given in BS 3998:2010 – Tree Work Recommendations. All tree removals 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 works.

Appendix A - Schedule

Document	Reference	Revision
Tree Schedule	241016-PD-10	-

241016-PD-10-Tree schedule

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ARBORICULTURAL CONSULTANCY

241016 - Fortlawn

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 T1	1	Prunus sp. (Cherry sp.)	2.5	5	1	0.5		0.5		0.5		0.5		1.0		Young	Structural condition Poor. Physiological condition Poor. Branch - Broken. Die-back - Upper crown. Decline - Evident / observed. Fell - Ground level.	05/11/2024	1.1	0.6	0-10	U
Tree T2	1	Prunus sp. (Cherry sp.)	3.5	5	1	1.0		1.5		1.0		1.5		2.0		Young	Structural condition Fair. Physiological condition Fair. Bark wound - Minor. Staked tree / trees. Fell - Ground level.	05/11/2024	1.1	0.6	10-20	C2
Tree T3	1	Acer campestre (Field Maple)	3.5	5	1	1.0		1.0		1.0		1.0		2.0		Young	Structural condition Fair. Physiological condition Fair. Bark wound - Major. Staked tree / trees. Fell - Ground level.	05/11/2024	1.1	0.6	10-20	C2
Tree T4	1	Acer campestre (Field Maple)	3.5	5	1	1.0		1.0		1.0		1.0		2.0		Young	Structural condition Poor. Physiological condition Dead. Dead tree / trees. Fell - Ground level.	05/11/2024	1.1	0.6	0-10	U
Tree T5	1	Prunus sp. (Cherry sp.)	3.5	5	1	1.5		1.0		1.5		1.0		2.0		Young	Structural condition Fair. Physiological condition Fair. Branch - Broken. Bark wound - Minor. Staked tree / trees. Fell - Ground level.	05/11/2024	1.1	0.6	10-20	C2
Tree T6	1	Carpinus betulus (Hornbeam)	3.5	4	1	1.0		1.0		1.0		1.0		2.0		Young	Structural condition Fair. Physiological condition Fair. Staked tree / trees. Fell - Ground level.	05/11/2024	0.7	0.5	20-40	C2
Tree T7	1	Prunus sp. (Cherry sp.)	2.5	5 COM	3	1.0		1.0		1.0		1.0		0.0		Young	Structural condition Fair. Physiological condition Fair. Multi-stemmed. Staked tree / trees. Fell - Ground level.	05/11/2024	1.2	0.6	10-20	C2
Hedge H8	1	Griselinia littoralis	1.5	10	1									0.0		Early Mature	Structural condition Good. Physiological condition Good. Hedgerow - Maintained. Height and stem diameter are average for group. Fell - Ground level.	05/11/2024	4.5	1.2	20-40	C2
Tree T9	1	Corylus avellana (Common Hazel)	4.5	20	1	3.0		2.0		1.5		2.0		0.0		Early Mature	Structural condition Fair. Physiological condition Good. Multi-stemmed. Fell - Ground level.	05/11/2024	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

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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241016 - Fortlawn

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 T10	1	Malus sp. (Apple sp.)	3.5	8	1	2.0		1.5		2.0		1.5		1.0		Semi Mature	Structural condition Fair. Physiological condition Fair. Fell - Ground level.	05/11/2024	2.9	1.0	20-40	C2
Tree T11	1	Cerasus avium (Wild Cherry)	5.0	10	1	2.0		2.5		2.0		1.5		2.0		Semi Mature	Structural condition Fair. Physiological condition Fair. Natural regeneration. Fell - Ground level.	05/11/2024	4.5	1.2	20-40	C2
Tree T12	1	Cerasus avium (Wild Cherry)	5.0	6	1	1.5		1.5		1.5		1.0		1.5		Semi Mature	Structural condition Fair. Physiological condition Fair. Natural regeneration. Fell - Ground level.	05/11/2024	1.6	0.7	10-20	C2
Tree T13	1	Prunus domestica (Plum)	6.0	10	1	1.5		2.5		2.0		1.0		1.0		Semi Mature	Structural condition Fair. Physiological condition Fair. Fork - Weak with included bark. Fell - Ground level.	05/11/2024	4.5	1.2	20-40	C2
Tree T14	1	Prunus domestica (Plum)	5.0	6	1	1.0		1.5		1.0		1.0		1.5		Semi Mature	Structural condition Fair. Physiological condition Fair. Suppressed crown - Minor. Fell - Ground level.	05/11/2024	1.6	0.7	20-40	C2
Tree T15	1	Cerasus avium (Wild Cherry)	5.0	12	1	2.5		3.0		3.0		0.0		2.0		Semi Mature	Structural condition Poor. Physiological condition Fair. Natural regeneration. Poor past pruning. Fell - Ground level.	05/11/2024	6.5	1.4	10-20	C2
Tree T16	1	Cerasus avium (Wild Cherry)	5.0	20 COM	3	5.0		2.0		1.0		0.0		1.5		Semi Mature	Structural condition Poor. Physiological condition Fair. Natural regeneration. Poor past pruning. Fell - Ground level.	05/11/2024	19.5	2.5	0-10	U
Tree T17	1	Cerasus avium (Wild Cherry)	3.5	8	1	1.5		1.0		1.0		1.0		1.0		Young	Structural condition Fair. Physiological condition Fair. Fell - Ground level.	05/11/2024	2.9	1.0	10-20	C2
Tree T18	1	Malus sp. (Apple sp.)	2.5	10	1	2.0		2.0		2.0		1.0		1.0		Semi Mature	Structural condition Fair. Physiological condition Fair. Fell - Ground level.	05/11/2024	4.5	1.2	10-20	C2
Tree T19	1	Cerasus avium (Wild Cherry)	5.0	10	1	3.0		3.0		2.0		2.0		1.0		Semi Mature	Structural condition Fair. Physiological condition Fair. Fell - Ground level.	05/11/2024	4.5	1.2	10-20	C2

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 / Recommendations	Survey date	RPA (m^2)	RPR (m)	Life expectancy (yrs)	BS Category
Tree T20		Cerasus avium (Wild Cherry)	6.0	12	1	2.0		2.0		2.0		2.0		2.0		Semi Mature	Structural condition Fair. Physiological condition Fair. Fell - Ground level.	05/11/2024	6.5	1.4	20-40	C2
Tree T21	1	Cerasus avium (Wild Cherry)	2.5	4	1	1.0		1.0		1.0		1.0		1.5		Young	Structural condition Fair. Physiological condition Fair. Fell - Ground level.	05/11/2024	0.7	0.5	10-20	C2
Tree T22	1	Picea sitchensis (Sitka Spruce)	7.0	12	1	1.5		1.5		1.5		1.5		3.0		Semi Mature	Structural condition Good. Physiological condition Good. Fell - Ground level.	05/11/2024	6.5	1.4	20-40	C2
Tree T23	1	Picea sitchensis (Sitka Spruce)	7.0	12	1	1.5		1.5		1.5		1.5		2.0		Semi Mature	Structural condition Good. Physiological condition Good. Fell - Ground level.	05/11/2024	6.5	1.4	20-40	C2
Tree T24	1	Malus sp. (Apple sp.)	3.0	10	1	2.0		2.0		2.0		2.0		1.5		Semi Mature	Structural condition Fair. Physiological condition Fair. Branch - Broken. Fell - Ground level.	05/11/2024	4.5	1.2	10-20	C2
Tree T25	1	Pyrus communis (Garden Pear)	6.0	11	1	1.5		1.0		1.0		1.0		1.5		Semi Mature	Structural condition Fair. Physiological condition Fair. Crown conflict - Structure / boundary / wire / tree. Deadwood - Minor. Fell - Ground level.	05/11/2024	5.5	1.3	10-20	C2
Shrub S26	1	Syringa sp. (Lilac sp.)	2.5	8 COM	4	1.5		1.5		1.0		1.0		1.5		Semi Mature	Structural condition Fair. Physiological condition Fair. Multi-stemmed. Fell - Ground level.	05/11/2024	2.9	1.0	10-20	C2
Shrub S27	1	Syringa sp. (Lilac sp.)	2.0	8 COM	5	1.0		1.0		1.5		1.0		1.0		Semi Mature	Structural condition Fair. Physiological condition Fair. Multi-stemmed. Fell - Ground level.	05/11/2024	3.6	1.1	10-20	C2
Hedge H28	1	Griselinia littoralis	3.0	15	1									0.0		Early Mature	Structural condition Good. Physiological condition Good. Hedgerow - Maintained. Height and stem diameter are average for group. Fell - Ground level.	05/11/2024	10.2	1.8	20-40	C2
Tree T29	1	Cupressus sp. (Cypress sp.)	2.0	10	1	1.0		1.0		1.0		1.0		0.0		Semi Mature	Structural condition Fair. Physiological condition Fair. Arboricultural work - Historic. Fell - Ground level.	05/11/2024	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

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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241016 - Fortlawn

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 T30	1	Cupressus sp. (Cypress sp.)	2.0	10	1	1.0		1.0		1.0		1.0		0.0		Semi Mature	Structural condition Fair. Physiological condition Fair. Arboricultural work - Historic. Fell - Ground level.	05/11/2024	4.5	1.2	10-20	C2
Hedge H31	1	Griselinia littoralis	3.0	15	1									0.0		Early Mature	Structural condition Good. Physiological condition Good. Hedgerow - Maintained. Height and stem diameter are average for group. Fell - Ground level.	05/11/2024	10.2	1.8	20-40	C2
Hedge H32	1	Griselinia littoralis	1.5	10	1									0.0		Early Mature	Structural condition Good. Physiological condition Good. Hedgerow - Maintained. Height and stem diameter are average for group. Fell - Ground level.	05/11/2024	4.5	1.2	20-40	C2
Tree T33	1	Eucalyptus sp. (Eucalyptus Tree)	13.0	45	1	5.0		4.5		4.5		6.0		2.5		Early Mature	Structural condition Fair. Physiological condition Fair. Access to inspect base - Restricted / obscured. Arboricultural work - Historic. Crown reduction - Historic. Ivy or climbing plant. Leaning trunk - Minor. Weak live growth. Fell - Ground level.	05/11/2024	91.6	5.4	10-20	C2
Tree T34	1	Cupressus sp. (Cypress sp.)	3.5	12	1	1.5		1.5		1.5		1.5		1.0		Semi Mature	Structural condition Poor. Physiological condition Dead. Fell - Ground level.	05/11/2024	6.5	1.4	0-10	U
Tree T35	1	Cupressus sp. (Cypress sp.)	3.5	12	1	1.0		1.5		1.5		1.0		1.0		Semi Mature	Structural condition Fair. Physiological condition Fair. Fell - Ground level.	05/11/2024	6.5	1.4	10-20	C2
Shrub S36	1	Griselinia littoralis	3.5	15	1	1.0		1.5		1.5		1.5		1.0		Semi Mature	Structural condition Fair. Physiological condition Fair. Fell - Ground level.	05/11/2024	10.2	1.8	10-20	C2
Tree T37	1	Malus sp. (Apple sp.)	3.5	9	1	1.5		2.0		2.0		1.5		1.0		Semi Mature	Structural condition Fair. Physiological condition Fair. Arboricultural work - Historic. Fell - Ground level.	05/11/2024	3.7	1.1	10-20	C2
Tree T38	1	Ceanothus sp. (Californian lilac)	3.0	13	1	2.0		2.5		1.0		2.5		1.0		Early Mature	Structural condition Good. Physiological condition Good. Arboricultural work - Historic. Fell - Ground level.	05/11/2024	7.6	1.6	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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241016 - Fortlawn

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 T39	1	Prunus sp. (Cherry sp.)	5.5	17	1	2.5		4.0		3.0		3.0		2.0		Early Mature	Structural condition Fair. Physiological condition Fair. Arboricultural work - Historic. Fell - Ground level.	05/11/2024	13.1	2.0	20-40	C1

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.

Generated By MyTREES tree management software

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**

Appendix B - Plans

Document	Reference	Revision
Tree Survey Plan	241016-P-10	-
Tree Removals Plan	241016-P-11	-

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.

T2 — Reference Number for Tree, Group or Hedgerow.

0 5m 10m 15m 20m

Revision	Date	Description

Title: Tree Survey and Contraints Plan

Project: Fortlawn Avenue

Client: Fingal County Council

Date: Nov 2024	Scale: 1:200 @ A1	Status: Planning	
Drawn by: CMcC	Dwg ref: 241016-P-10	Rev: -	
Checked by: CMcC			

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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.

T2 — Reference Number for Tree, Group or Hedgerow.

Trees to be removed shown shaded RED

0 5m 10m 15m 20m

Revision	Date	Description

Title:
Tree Removals Plan

Project:
Fortlawn Avenue

Client:
Fingal County Council

Date: Nov 2024	Scale: 1:200 @ A1	Status: Planning	
Drawn by: CMcC	Dwg ref: 241016-P-11	Rev: -	
Checked by: CMcC			

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