

Tree Survey & Arboricultural Impact Assessment Report

Sandyford Clonskeagh to Charlemont Street
Pedestrian & Cyclist Scheme
Ranelagh
Dublin

BSM

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1968

**Brady Shipman
Martin**

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Survey
Assessment
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Environment**

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Tree Survey and Arboricultural Impact Assessment Report

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TABLE OF CONTENTS

1	Introduction	1
2	Report limitations	1
3	Methodology	2
4	Survey Key	2
4.1	Tree, Tree Group and Woodland Number	2
4.2	Species.....	2
4.3	Age Class.....	2
4.4	Stem Diameter, Tree Height and Crown Size Measurements.....	2
4.5	Condition	2
4.6	Comments	2
4.7	Recommendations.....	3
4.8	Tree Retention Category (Cat) (BS5837: 2012 Trees in relation to design, demolition and construction – Recommendations)	3
4.9	Root Protection Area	3
5	Findings	4
6	Preliminary Recommendations	5
7	Arboricultural Impact Of New Development.....	5
8	Arboricultural Method Statement	6
8.1	Tree Work Operations	6
8.2	Tree Protection Measures.....	7
9	Site Photographs	9
10	Schedule Of Trees included in the survey	12

1 INTRODUCTION

It is proposed to carry out improvement works to the cycle path and footway infrastructure along the streetscape between Clonskeagh and Charlemont Street in Dublin 6. There are a significant number of trees along the route and this report has been commissioned to provide an Arboricultural assessment of these trees to assist with the plans for the project. The survey data was collected and collated in accordance with BS5837: (2012) *Trees in relation to design, demolition, and construction – Recommendations*.

The accompanying Tree Survey and Constraints drawing shows the locations of the individual trees, woodlands and tree groups identified along the route during the survey. The primary focus of the survey was the numerous street trees planted into the footpaths and verges etc., however, trees growing within private gardens/grounds close to the project boundary were also included in the survey schedule where the arboricultural surveyor suspected they may have roots or branches extending over the redline boundary for added clarity/detail.

The tree survey data gathered during the fieldwork fed into the design and planning of the proposed new layout along the route, with both elements combined in the landscape design drawings. These drawings show the details of the new layout along with the existing trees, with trees proposed for removal being highlighted. A description of the impact of the project on the trees and recommendations for the protection of those being retained along the route are contained in the arboricultural impact assessment and method statement sections of this report.

2 REPORT LIMITATIONS

The inspection has been carried out from ground level using visual observation methods only.

Trees are living organisms whose health and condition can change rapidly. Trees should be checked on a regular basis, preferably once a year. The conclusions and recommendations of this report are valid for one year.

The fruiting bodies of some important species of decay fungi only emerge at certain times of the year and may not have been visible during this inspection.

There is no such thing as a 100% safe tree in all conditions, since even perfectly healthy trees may fall or suffer branch break.

Climbing plants such as Ivy can obscure structural defects and some symptoms of disease, where such plants prevent a thorough examination it is recommended that the climber be cut at ground level and the tree re-inspected when it has died back.

Trees on private property were subject to inspection and assessment from public lands, tree dimension estimates and condition assessments were based upon the view of the tree from the road/footpath and should be regarded as preliminary.

Tree positions on the survey drawing are based upon the tree symbols plotted onto the topographic drawing supplied, with additional trees being added in their *approximate* positions where no such symbol was plotted.

3 METHODOLOGY

The accessible street trees and trees within the public realm trees were accessed on foot and assessed using Visual Tree Assessment (VTA) techniques only. Trees growing on private property were not directly accessed, and the trees were assessed using what visual information was available to the surveyor from the public space. Wooded areas, and groups of trees were assessed collectively in accordance with BS5837: (2012) *Trees in relation to design, demolition and construction – Recommendations*.

4 SURVEY KEY

4.1 Tree, Tree Group and Woodland Number

Individual trees (prefix T), tree groups (prefix G), woodlands (prefix W) were allotted reference numbers to allow for identification and cross reference with the survey schedule and site drawings.

Trees on private property are labelled with a P after the number and category on the survey drawing (for example T22-C2-P).

4.2 Species

Refers to the specific tree species with both common and botanical names for individual trees and those present within each tree group.

4.3 Age Class

Y: Young tree – yet to reach biological maturity
SM: Semi-mature - tree now well established and developing
EM: Early-Mature - tree not yet fully grown
M: Mature – Tree fully grown and in full maturity
LM: Late Mature – in the later stages of maturity
OM: Over mature - tree now declining from natural causes
Vet: Veteran - tree of value due to old age and ecological/cultural significance

4.4 Stem Diameter, Tree Height and Crown Size Measurements

Ht: Total Tree Height in metres
Dbh: Diameter (in mm) at breast height measured at 1.5m from ground level
Cr: Crown clearance from ground level (in metres)
NSEW: Crown spread (in metres) for all 4 cardinal points
FSB: First significant branch: height from ground and direction

4.5 Condition

Condition refers to both physiological condition (good, fair, poor, dead.) and structural condition.

Good: No obvious defects visible, vitality and form of tree good.
Fair: Tree in average condition for its age and the environment.
Poor: Tree shows signs of ill health/structural defect
Bad: Tree in seriously bad health/major structural problem
Dead: Tree now completely dead

4.6 Comments

Additional description/commentary on individual trees where appropriate.

4.7 Recommendations

Preliminary management recommendations are noted, these pertain to current site conditions unless otherwise stated.

4.8 Tree Retention Category (Cat) (BS5837: 2012 Trees in relation to design, demolition and construction – Recommendations)

The tree retention category system grades a tree's suitability for retention within a development:

- A** Indicates a tree of high quality and value. These are trees that are particularly good examples of their species, which also provide landscape value. These trees are in such a condition as to be able to make a substantial contribution. (A minimum of 40 years is suggested)
- B** Indicates a tree of moderate quality and value. Trees that might be included in the high category, but are downgraded because of impaired condition. These trees are in such a condition as to make a significant contribution. (A minimum of 20 years is suggested)
- C** Indicates a tree of low quality and value - trees with an estimated remaining life expectancy of at least 10 years, smaller trees lower than 10m in height, or young trees with a stem diameter of below 150mm.
- U** Trees that are 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.

Sub Categories

Tree categories may be further categorised using the following sub-categories (e.g. C1, C2 or C3) - 1 mainly Arboricultural qualities, 2 mainly landscape qualities, 3 mainly cultural values.

4.9 Root Protection Area

The Root Protection Area (RPA) is the minimum area around individual trees to be protected from disturbance during construction works; RPA is recorded as a radius (rad) in metres measured from the tree stem and is shown on tree survey drawings as a circle with the tree stem in the centre. For single stem trees, the root protection area (RPA) should be calculated as an area equivalent to a circle with a radius 12 times the stem diameter.

For trees with more than one stem, one of the two calculation methods below should be used.

- a) For trees with two to five stems, the combined stem diameter should be calculated as follows:
$$\sqrt{((\text{stem diameter } 1)^2 + (\text{stem diameter } 2)^2 \dots + (\text{stem diameter } 5)^2)}$$
- b) For trees with more than five stems, the combined stem diameter should be calculated as follows:
$$\sqrt{((\text{mean stem diameter})^2 \times \text{number of stems})}$$

5 FINDINGS

The trees were assessed during site visits between the 12th and 19th of April 2022. The field survey findings are recorded in the survey schedule appended to the report and include the data for 187 individual trees, 2 woodlands and 11 groups. The survey area extended from Charlemont Street in the north to the Beech Hill Road junction (just south of Clonskeagh bridge) to the south and included trees along the route within the redline boundary and those located outside the redline, but with potential to have some root and/or branch spread into the project area.

124 individual trees within the public realm were identified and assessed; of these 7 trees were graded category A (high value) 51 were graded category B (moderate value), 63 were graded category C (low value) and 3 were graded category U (unsuited to long term retention).

63 individual trees located inside adjacent private properties were identified and assessed; of these 3 trees were graded category A (high value) 24 were graded category B (moderate value), 35 were graded category C (low value) and 1 was graded category U (unsuited to long term retention).

The most significant trees within the public realm areas of the survey limits were located along Ranelagh Road, Mountpleasant Square Park, Woodstock Gardens and Eglington Road. These included some high and moderate value mature specimens of London Plane (*Platanus x hispanica*), Lime (*Tilia* spp.) and Horse Chestnut (*Aesculus hippocastanum*). A large number of mature trees are located within the grounds of Clonskeagh Hospital, including Beech (*Fagus sylvatica*) and Sycamore (*Acer pseudoplatanus*), however, these trees are growing out of lands considerably higher than the streetscape and root spread into the project area is unlikely to be significant.

The younger and smaller street trees established into the paved areas and verges along the route included a significant number of Hornbeam (*Carpinus betulus*) and Lime (*Tilia cordata*) trees, with other species such as Birch (*Betulus* spp.), Cherry (*Prunus* spp.) Turkish Hazel (*Corylus colurna*), Maple (*Acer* spp.) and Rowan (*Sorbus* spp.) present in lower numbers.

The trees within private grounds and gardens along the route include a wide variety of species and considerable age class diversity; the most prominent trees are within the stands of mature trees along Sandford Terrace (labelled woodland W1), Milltown Park (W2) and at the corner of Eglington Road (group G6). Other larger individual trees of note include those labelled T34, T80, T110, T119 and trees T125-127.

6 PRELIMINARY RECOMMENDATIONS

Preliminary management recommendations for the trees and tree groups (under present site conditions) are listed in the survey schedule.

Works associated with the new cycle scheme in areas adjacent to trees should be carried out in accordance with the recommendations made in the following two industry standard documents:

NATIONAL JOINT UTILITIES GROUP (NJUG). *Guidelines for the planning, installation and maintenance of utility apparatus in proximity to trees*. Volume 4, issue 2. London: NJUG, 2007.

BS5837 (2012) *Trees in relation to design, demolition and construction – Recommendations*
BSI Standards Limited 2012

7 ARBORICULTURAL IMPACT OF NEW DEVELOPMENT

The proposed new cycle lane and footpath layout along the route has been designed to keep the impact on the existing tree population to a minimum. It has been necessary to plan for the removal of 14 established individual street trees and 3 recently planted young trees (total 17) to facilitate the new layout. These trees are all publicly owned specimens growing along the roadside and comprise 12 category C trees, 1 category B and 1 category U. The three recently planted young trees are category C. All of the individual trees proposed for removal are listed in the tree removal schedule (7.1 below) and are shown on the landscape drawings for the project.

The removal of a small number of mostly low value trees will have a very limited direct impact on the arboricultural and amenity value of the local urban treescape. The individual trees proposed for removal are all relatively small in size (<9m tall) and most have limited potential to increase significantly in amenity and landscape value.

The project will include significant new street tree planting along the route, including sections such as Charlemont Street where there are currently no street trees present, and will include replacement planting in the areas where existing trees are being removed. A total of 43 new trees will be planted, comprised of 9 species from 7 tree genera. The new planting will help create greater species and age class diversity, and disease resilience amongst the tree population. The trees will be high quality specimens, planted into purpose-built urban tree planting pits, which will provide a good growing environment to enable successful establishment and growth.

The new trees will more than mitigate the removal of the existing trees and should bring about a significant net improvement in the quality and value of the tree stock in the public realm as they become established.

The project will entail considerable modifications of the road kerbs, hard surfaces, and footpaths etc. to create the new layout. Some of this work will take place in close proximity to the many street trees being retained along the route and will have potential to cause injury or damage to both the above ground (stems and branches) and underground (root systems) parts of the trees unless the work is well planned and managed. Tree protection measures are recommended in the arboricultural method statement (section 8 below).

8 ARBORICULTURAL METHOD STATEMENT

8.1 Tree Work Operations

The trees listed in the tree removal schedule below and those shown highlighted in red on the landscape drawings will be felled and the stumps removed.

Any street trees requiring light facilitation pruning to improve access and prevent damage by the construction activity will be pruned back following consultation with the project arborist.

The felling of and pruning of trees will be undertaken by professional tree surgeons working to BS 3998 (2010) Tree Work – Recommendations.

All woody material arising from the clearance works should be disposed of at an appropriate green waste facility or recycled for use on the project (woodchip mulch for example).

Type	No.	Species	Age	Ht m	Dbh mm	ERC	Cat
T	53	<i>Carpinus betulus</i> (Hornbeam)	SM	6	150	10+	C2
T	54	<i>Carpinus betulus</i> (Hornbeam)	SM	5	150	10+	C2
T	91	<i>Sorbus aucuparia</i> (Rowan)	EM	5.5	215	10+	C2
T	93	<i>Carpinus betulus</i> (Hornbeam)	SM	4	100	10	C2
T	117	<i>Carpinus betulus</i> (Hornbeam)	SM	6	120	10+	C2
T	137	<i>Betula pendula</i> (Silver Birch)	SM	8	170	<10	U
T	138	<i>Betula pendula</i> (Silver Birch)	M	8.5	320	10+	C2
T	139	<i>Prunus spp</i> (Flowering Cherry)	M	8.5	480	10+	C2
T	140	<i>Crataegus monogyna</i> (Hawthorn)	M	5.5	280	10+	C2
T	141	<i>Pyrus spp.</i> (Pear)	EM	8	240	10+	C2
T	142	<i>Pyrus spp.</i> (Pear)	EM	7.5	225	20+	B2
T	143	<i>Corylus colurna</i> (Turkish Hazel)	SM	4	120	10+	C2
T	144	<i>Betula pendula</i> (Silver Birch)	SM	7	160	10+	C2
G	11	<i>Carpinus betulus</i> (Hornbeam)	Y	3	50	10+	C2
T	145	<i>Sorbus aria</i> (Whitebeam)	EM	5.5	245	10+	C2

Tree Removal Schedule

8.2 Tree Protection Measures

The tree protection measures should be in accordance with BS5837 (2012) *Trees in relation to design, demolition and construction – Recommendations*.

The project managers will appoint a qualified arborist to provide advice and guidance to the contractors carrying out the works. The arborist will meet the contractors on-site prior to works commencing and go through the tree protection measures, explaining the recommended procedures and emphasising the importance of protecting the trees during the course of the project. The project arborist will be available to attend the site on a regular basis to aid and advise the tree protection set up along the route.

The project site area covers a long length of public road and footpath, with numerous private drives, well-used public footpaths, and road junctions along the route. The nature of the site and project is not well-suited to convention tree protection fencing systems where continuous lines of fencing are often fixed in position outside the root protection areas (RPAs) of the trees for long periods. It would be more appropriate for the tree protection set ups to be managed as a series of individual job sites along the route as the project progresses. The protection measures will be very similar and follow the same basic set of recommendations as set out below. The two main areas of importance are the prevention of physical injury to the main stems and branches of the trees close to the work sites, and the prevention of activities at and below ground level within the root protection areas (RPAs) of the trees that could adversely impact on the tree roots systems.

Tree stems and root flare areas of the tree bases will be protected from direct physical damage from adjacent site works by protective wooden panels erected around the trees. Tree protection fencing will be erected around any undisturbed ground within the RPAs of trees being retained to prevent construction activity and machinery encroaching onto exposed soil, where it could cause compaction and root damage. The fencing and protective structures will be erected before site works commence and will not be removed or moved unless authorised by a qualified arborist.

Where site machinery must encroach upon original soil surfaces or ground exposed by the removal of the existing hard surfacing within the RPAs of the trees to be retained for reasons unforeseen and unavoidable; suitable ground protection will be put in place to prevent any significant soil compaction or root damage near the trees; this should take the form of suitable strength ground protection mats or cellular confinement system capable of supporting the appropriate weight.

Where an existing hard surface is removed, care should be taken not to disturb tree roots that might be present beneath it. Hand-held tools or appropriate machinery should be used (under arboricultural supervision) to remove the existing surface, working backwards over the area, so that the machine is not moving over the exposed ground. If a new hard surface is to be laid, it might be preferable to leave any existing sub-base in situ, augmenting it where required. Particular care will be taken within the RPAs of the larger specimen trees of high value, where root spread may be extensive and at times hard to predict.

The new concrete footpaths within the RPAs of retained trees will be underlain by an impermeable liner. This will prevent root damage caused by the highly alkaline leachate produced during the curing of wet concrete.

Any new underground services such as electricity cables, water pipes etc. will be routed away from the root protection areas of the trees to be retained; where this is not possible for reasons unforeseen, the services will be installed using specialist methodology (such as *Airspade* excavation, Air Vacuum truck or Mole drilling) that ensures minimal impact on any tree roots.

Sandyford Clonskeagh to Charlemont Street, Dublin

Tree Survey Report

All exposed roots and/or soil profiles containing roots of trees to be retained will be kept damp in dry conditions by regular watering and be covered with a double layer of hessian fabric to prevent desiccation. Where backfill is required, this should be of good quality topsoil, structural soil, or clean sand.

Root severance should be avoided where possible, with no roots >25mm being cut without consultation with the project arborist. Where roots have to be cut back, they should be pruned with saw or secateurs to leave a clean cut.

All site offices, materials storage, staff parking etc. will located outside of the RPAs of the trees being retained.

The retained trees should be assessed by a qualified arborist following the completion of the construction works.

9 SITE PHOTOGRAPHS



Photo 1. Mature street trees along Ranelagh Road in the northern part of the survey area (London Plane tree T4 is on the right)



Photo 2 Mature street and parkland trees at Mountpleasant Square Park

Sandyford Clonskeagh to Charlemont Street, Dublin

Tree Survey Report



Photo 3. Mature trees making up woodland area W1 on Clonskeagh Road (Sandford Terrace) seen from the north



4. Mature trees in group G6 on left, with mature street trees T107-109 in the centre



5. Trees in small green space and streetscape outside Ashton's Pub



6. Mature Beech and Sycamore trees within the grounds of Clonskeagh Hospital (group G12)

10 SCHEDULE OF TREES INCLUDED IN THE SURVEY

Type	No.	Pr	Species	Age	Ht m	Dbh mm	St	Cr	N	S	E	W	FSB Ht	FSB D	ERC	Phys Cond	Structural Condition/Comments	Preliminary Recommendations	RPA m	Cat
T	1		Fraxinus excelsior (Ash)	EM	12	440	1	3	6	4.5	6	6	4	NW	10	Fair- Poor	Fair. Medium sized tree. Some early signs of Ash Dieback disease (ADB), with small amounts of epicormic growth developing.	Monitor tree condition.	5.28	C2
T	2		Acer platanoides (Norway Maple)	M	12	480	1	3	5	4	5	5	3	SW	20+	Good	Fair. Medium sized tree. Average shape/form. Large surface roots. Multiple stems above 1.5m.	No urgent works needed.	5.76	B2
G	1	P	Liquidambar styraciflua (Sweet Gum)	SM	5.5	200	1	2	2.5	2.5	2.5	2.5	3	N	20+	Good	Good. Group of young trees planted into landscape island. Average shape/form.	No urgent works needed.	2.4	C2
G	2	P	Sorbus aria (Whitebeam)	M	10	350	1	3	5	5	5	6	3	W	20+	Good	Fair. Good vitality. Two medium sized trees just inside property boundary fence. Some potentially weak unions in crown structure. Branches restricting street light.	Prune tree clear of streetlight.	4.2	B2
T	3	P	Fraxinus excelsior (Ash)	M	17	532	2	4	3	6	6	5	5	S	10	Poor	Fair/Poor. Medium sized tree on private property. Asymmetric crown. Epicormic shoots on branching throughout crown indicative of ADB. Tight union on fork on eastern stem at 2.5m.	Monitor tree condition.	6.38	C2
T	4		Platanus X hispanica (London Plane)	M	18	850	1	4	8	7.5	7	7	5	SE	40+	Good	Fair. Large specimen street tree. Previously pollarded a number of years ago. Some bark wounding from vehicles at stem base. High amenity value.	No urgent works needed.	10.2	A2
T	5	P	Pittosporum spp.	M	8	371	6	2	2	2	2	2	1	N	10+	Good	Fair. Garden tree. Smaller sized tree.	No urgent works needed.	4.45	C2
T	6		Tilia cordata (Small-leaved Lime)	SM	7	165	1	2	2	2	2	1.5	3	SW	10+	Fair	Fair. Smaller sized street tree. Upright form. Tarmac up to stem base.	Remove tarmac from up to tree stem.	1.98	C2
T	7		Tilia cordata (Small-leaved Lime)	M	18	700	1	2	6	5	5.5	5.5	3	S	20+	Good	Fair. Large specimen street tree. Roots lifting adjacent paving and kerb line. Stem divides above 1.5m. Initial lean but self corrects to vertical. Small old wound at 2m east side of main stem. Previously reduced over road.	Carry out further inspection of old wound site.	8.4	B2

T	8		Tilia cordata (Small-leaved Lime)	M	18	640	1	2	5.5	6	4.5	5.5	3	S	20+	Fair	Fair. Large specimen street tree. Roots lifting adjacent paving and disturbing kerb line. Stem divides above 1.5m. Small decay pocket at stem base. Vertical partly occluded wound to east side of stem, some internal decay possible	Carry out further inspection.	7.68	B2
T	9		Acer platanoides (Norway Maple)	M	16	690	1	6	6	5.5	6	5	5	S	20+	Fair	Fair. Large specimen street tree. Roots lifting adjacent paving. Small decay pocket at stem base. Kerb removed next to tree. Previously reduced.	No urgent works needed.	8.28	B2
T	10		Tilia cordata (Small-leaved Lime)	EM	10	330	1	2	4	4	3.5	3.5	4	W	20+	Good	Fair. Slight lean to stem. Smaller sized tree. Recent concrete pavement renewal.	No urgent works needed.	3.96	B2
T	11		Tilia cordata (Small-leaved Lime)	EM	11	320	1	2	5	5	4.5	5.5	2	S	20+	Good	Fair. Smaller sized street tree. Roots lifting adjacent paving. Some vehicle damage to branching on north side. Concrete up to stem base.	No urgent works needed.	3.84	B2
T	12		Tilia cordata (Small-leaved Lime)	EM	11	370	1	2	4.5	5	4	4.5	3	S	20+	Good	Fair. Street tree. Medium sized tree. Roots lifting adjacent paving.	Replace surfacing.	4.44	B2
T	13	P	Ilex aquifolium (Holly)	M	5.5	300	1	2	2	2	1.5	2			10+	Fair	Fair. Smaller sized tree. Thick Ivy growth on tree stem.	No urgent works needed.	3.6	C2
T	14		Corylus colurna (Turkish Hazel)	SM	5	140	1	2	1.5	1.5	1.5	1	2	E	10+	Fair	Fair. Smaller sized street tree. Upright form. Surrounded by hard surfacing.	No urgent works needed.	1.68	C2
T	15		Tilia cordata (Small-leaved Lime)	SM	8	250	1	2	3	3	3	2.5	2	W	10+	Fair	Fair. Smaller sized street tree. Tarmac up to stem.	Remove tarmac from up to tree stem.	3	C2
T	16		Aesculus hippocastanum (Horse Chestnut)	M	17	1100	1	5	7	7.5	7.5	7	4	S	20+	Fair-Poor	Fair. Good vitality. Large specimen street tree. Some bark wounds to stem base. Some Bleeding canker lesions on stem-branches. Previously crown reduced. Borderline category A.	Monitor tree condition.	13.2	B2
T	17		Acer platanoides (Norway Maple)	M	14	610	1	6	4.5	5.5	4.5	4	3	N	10+	Fair	Fair/Poor. Medium sized street tree. Leaning East. Roots disturbing kerb line. Wood decay in old wound at stem base. Recently crown reduced.	Prune periodically to maintain as smaller tree.	7.32	C2
T	18	P	Betula pendula (Silver Birch)	EM	8	200	1	2	1.5	2.5	2	2	2	SE	10+	Good	Good. Garden tree. Smaller sized tree. Average shape/form.	No urgent works needed.	2.4	C2
T	19	P	Prunus spp (Flowering Cherry)	EM	8	350	4	2	3	3.5	3	4			10+	Good	Fair/Poor. Garden tree. Smaller sized tree. Multiple stems below 1.5m. Some tight unions in forks at stem base and on stems.	No urgent works needed.	4.2	C2

Sandyford Clonskeagh to Charlemont Street, Dublin

Tree Survey Report

T	20	P	Chamaecyparis lawsoniana (Lawson Cypress)	SM	5.5	200	1	2	1.5	1.5	1.5	1.5	2	E	10+	Fair	Fair. Tree located within raised bed. Smaller sized tree.	No urgent works needed.	2.4	C2
T	21		Tilia cordata (Small-leaved Lime)	EM	13	380	1	4	4.5	4.5	4	4.5	4	E	20+	Good	Fair. Medium sized street tree. Stem divides above 1.5m. Broken branches hanging in crown. Recent pavement replacement.	Target prune broken/damaged branches.	4.56	B2
T	22	P	Ilex aquifolium (Holly)	M	6	283	2	2	2	2	2	2.5			10+	Fair	Fair. Smaller sized tree. Thick Ivy growth on tree stem. Stem divides below 1.5m.	No urgent works needed.	3.4	C2
T	23		Tilia cordata (Small-leaved Lime)	SM	9	275	1	3	2.5	3.5	2.5	2.5	5	SE	20+	Good	Fair. Smaller sized street tree. Upright form. Some damage to surface roots. Roots lifting adjacent paving. Kerb removed next to stem base.	Replace surfacing.	3.3	C2
T	24		Tilia cordata (Small-leaved Lime)	EM	11	350	1	4	4	4.5	3.5	4	5	W	20+	Good	Fair. Medium sized street tree. Upright form. Some bark wounds to stem base. Recently crown lifted.	No urgent works needed.	4.2	B2
T	25		Tilia cordata (Small-leaved Lime)	SM	7	210	1	2	2	2.5	2	2	3	N	10+	Fair	Fair. Smaller sized street tree. Upright form. Tight union as stem forks at 2.5m.	No urgent works needed.	2.52	C2
T	26		Tilia platyphyllos (Large-leaved Lime)	M	14	590	1	2	4	4.5	4	3.5	4	NW	10+	Fair	Poor. Large street tree. Roots lifting adjacent paving. Wood decay in large old wound on south side of stem at 2-4m.	Crown reduce significantly.	7.08	C2
T	27	P	Araucaria araucana (Monkey Puzzle)	M	12	450	1	6	5	3.5	5	4	7	E	20+	Fair	Fair. Garden tree. Medium sized tree. Minor deadwood in crown.	No urgent works needed.	5.4	B2
T	28		Carpinus betulus (Hornbeam)	SM	7	185	1	2	2.5	2	2	2	2	W	10+	Fair	Fair/Poor. Smaller sized street tree. Upright form. Roots lifting adjacent paving. Compression fork on main stem at 2.5m.	Prune periodically to maintain as smaller tree.	2.22	C2
T	29	P	Prunus spp (Flowering Cherry)	M	7	495	2	2	3	4	4	2	1	W	10+	Fair	Fair. Garden tree. Smaller sized tree. Spreading form. Compression fork at tree base; union appears stable at present. Previously topped.	No urgent works needed.	5.94	C2
T	30		Carpinus betulus (Hornbeam)	EM	9	240	1	2	2	2.5	2	2			10+	Good	Fair/Poor. Smaller sized street tree. Wood decay in old wound at stem base; partially occluded.	Prune periodically to maintain as smaller tree.	2.88	C2
T	31		Carpinus betulus (Hornbeam)	EM	9	240	1	2	2.5	3	2	1.5			10+	Good	Fair. Smaller sized street tree. Possible root girdling. Some potentially weak unions in crown structure. Asymmetric crown.	Prune periodically to maintain as smaller tree.	2.88	C2

T	32	P	Prunus spp (Flowering Cherry)	M	6	250	1	1	2	2	2	2	2	SW	10+	Good	Good. Smaller sized garden tree.	No urgent works needed.	3	C2
T	33	P	Pittosporum	EM	3	229	4	1	1.5	1.5	1.5	1.5			10+	Good	Good. Smaller sized garden tree.	No urgent works needed.	2.75	C2
T	34	P	Acer pseudoplatanus (Sycamore)	M	12	750	1	5	5.5	6	6	6	5	N	20+	Fair	Fair. Somewhat low vitality. Larger garden tree. Some pruning wounds on stem. Recently crown reduced.	Monitor tree condition.	9	B2
T	35		Carpinus betulus (Hornbeam)	SM	8	190	1	3	2	2	1.5	2	2	E	10+	Good	Fair. Smaller sized street tree. Upright form.	No urgent works needed.	2.28	C2
T	36		Carpinus betulus (Hornbeam)	SM	8	190	1	3	2	2	1.5	2	2	E	10+	Good	Fair. Smaller sized street tree. Upright form.	No urgent works needed.	2.28	C2
T	37		Carpinus betulus (Hornbeam)	SM	8	190	1	3	2	2	1.5	2	2	E	10+	Good	Fair. Smaller sized street tree. Upright form.	No urgent works needed.	2.28	C2
T	38		Tilia platyphyllos (Large-leaved Lime)	M	15	550	1	3	5	8	5	3.5	5	N	20+	Fair	Fair. Street tree. Large specimen tree. Roots lifting adjacent paving. Small decay pocket at stem base. Storm damaged branches in crown. Asymmetric crown.	Target prune broken/damaged branches. Reduce extended branches over road.	6.6	B2
T	39		Tilia platyphyllos (Large-leaved Lime)	M	18	770	1	6	6	7	7	7	4	NW	40+	Good	Fair. Street tree. Large specimen tree. Roots lifting adjacent paving. Some bark wounds to stem base. Small decay pocket at stem base. Branches restricting street light. Broken branches hanging in crown.	Target prune broken/damaged branches.	9.24	A2
T	40		Quercus rubra (Red Oak)	SM	5	125	1	2	2	2.5	2	2	2	NW	10+	Fair	Fair. Street tree. Smaller sized tree. Upright form. Roots lifting adjacent paving.	No urgent works needed.	1.5	C2
T	41		Fraxinus excelsior (Ash)	M	16	673	2	2	5.5	7	3	4	4	NE	<10	Poor	Fair/Poor. Parkland tree. Larger tree. Twin stem from ground level. Some bark wounds to stem base. Wood decay in old wound at stem base. Asymmetric crown. Epicormic shoots on branching throughout crown.	Monitor tree condition. Consider removal as part of good management.	8.08	U
T	42		Fraxinus excelsior (Ash)	SM	7	250	1	2	4	4	4.5	3	2	NW	10+	Fair	Fair. Parkland tree. Smaller sized tree. Previously topped. Epicormic shoots on branching throughout crown. Base has grown over bench.	Monitor tree condition.	3	C2
T	43		Taxus baccata (Yew)	M	8.5	541	2	2	5	5	3.5	5	2	N	20+	Fair	Fair. Medium sized park tree. Compacted root-zone. Slight lean to stem.	No urgent works needed. Decompact soil around tree.	6.49	B2

Sandyford Clonskeagh to Charlemont Street, Dublin

Tree Survey Report

T	44		Taxus baccata (Yew)	M	8	762	2	2	5.5	5	5.5	7			20+	Fair	Fair. Medium sized park tree. Spreading form. Compacted root-zone.	No urgent works needed. Decompact soil around tree.	9.14	B2
T	45		Prunus spp (Flowering Cherry)	M	10	365	1	4	5	5	3	4	2	W	20+	Fair	Fair. Medium sized tree. Some damage to surface roots. Stem divides above 1.5m. Some bark wounds to lower stem. Previous removal of limb to east at 2m.	No urgent works needed.	4.38	B2
T	46		Tilia X europaea (Common Lime)	M	22	835	1	2	9	10	8	5	6	N	40+	Fair	Fair. Large specimen park tree. Slight lean to stem. Suckers around stem base. Branches restricting street light.	Prune tree clear of streetlight. Reduce extended branches over road.	10	A2
T	47		Tilia X europaea (Common Lime)	M	23	830	1	3	7.5	9	8.5	6	8	S	40+	Fair	Fair. Large specimen park tree. Upright form. Scattered minor deadwood. Broken branches hanging in crown.	Remove dead branches hanging in crown.	9.96	A2
T	48		Tilia platyphyllos (Large-leaved Lime)	M	10	500	1	2	6	6	6.5	5.5	2	N	40+	Good	Fair. Medium sized tree growing in raised landscape island. Compacted root-zone. Dense crown. High amenity value.	No urgent works needed. Decompact soil around tree.	6	A2
T	49		Carpinus betulus (Hornbeam)	SM	8	160	1	2	2	2	2	2	2	N	10+	Fair	Fair. Smaller sized street tree. Upright form. Possible root girdling.	No urgent works needed.	1.92	C2
T	50	P	Acer pseudoplatanus (Sycamore)	M	9	400	1	3	5	4.5	5	4.5	2	S	20+	Fair	Fair. Thick Ivy growth on tree stem. Located in garden 1.5m higher than street and behind wall.	No urgent works needed.	4.8	B2
T	51	P	Tilia platyphyllos (Large-leaved Lime)	M	16	400	1	4	5	4	5	5	2	NE	20+	Fair	Fair. Medium sized tree in garden 1.5m above road level. Previously topped. Deadwood in crown.	Crown clean to remove weak deadwood and damaged or diseased branches.	4.8	B2
T	52	P	Betula pendula (Silver Birch)	EM	9.5	250	1	2	3.5	3.5	3	1.5	3	NW	10+	Fair	Fair. Slender form. Poor position next to railway bridge.	No urgent works needed.	3	C2
T	53		Carpinus betulus (Hornbeam)	SM	6	150	1	2	0.5	0.5	0.5	0.5	2	NE	10+	Fair	Fair. Smaller sized street tree. Slender, upright form.	No urgent works needed.	1.8	C2
T	54		Carpinus betulus (Hornbeam)	SM	5	150	1	2	0.5	0.5	0.5	0.5	2	NE	10+	Fair	Fair. Smaller sized street tree. Slender, upright form.	No urgent works needed.	1.8	C2
T	55	P	Tilia cordata (Small-leaved Lime)	EM	8	350	1	3	4	5	4	4	2	E	20+	Good	Fair. Medium sized tree located within raised bed. Previously topped.	No urgent works needed.	4.2	B2

T	56	P	Tilia cordata (Small-leaved Lime)	SM	7	200	1	2	2	4	3	2	2	SE	10+	Fair	Fair. Smaller sized tree. Suppressed by neighbouring trees. Poor shape & form. Previously topped.	No urgent works needed.	2.4	C2
T	57		Carpinus betulus (Hornbeam)	SM	6	150	1	2	0.5	0.5	0.5	0.5	2	NE	10+	Fair	Fair. Smaller sized street tree. Slender, upright form.	No urgent works needed.	1.8	C2
T	58		Carpinus betulus (Hornbeam)	SM	8	240	1	2	2	2	2	2	2	SE	10+	Good	Fair/Poor. Street tree. Slender form. Smaller sized tree. Upright form. Wood decay in old wound to lower stem. Some branches damaged by passing vehicles.	Target prune broken/damaged branches.	2.88	C2
T	59		Carpinus betulus (Hornbeam)	SM	6.5	185	1	2	2	1.5	2	2	2	N	10+	Good	Fair. Smaller sized street tree. Upright form. Raised tarmac around stem base.	No urgent works needed.	2.22	C2
T	60		Carpinus betulus (Hornbeam)	SM	7.5	190	1	2	2	2	2	2.5	2	N	10+	Good	Fair. Street tree. Smaller sized tree. Upright form. Roots lifting adjacent paving. Raised tarmac around stem base.	No urgent works needed.	2.28	C2
T	61		Tilia cordata (Small-leaved Lime)	SM	4	210	1	3	2	2	2	2	2	SW	20+	Good	Good. Compact street tree in paved area. Recently crown reduced. Regularly clipped into a pleached or semi pollarded form.	No urgent works needed.	2.52	B2
T	62		Tilia cordata (Small-leaved Lime)	SM	4	210	1	3	2	2	2	2	2	SE	20+	Good	Good. Compact street tree in paved area. Recently crown reduced. Regularly clipped into a pleached or semi pollarded form.	No urgent works needed.	2.52	B2
T	63		Tilia cordata (Small-leaved Lime)	SM	4	210	1	3	2	2	2	2	2	SE	20+	Good	Good. Compact street tree in paved area. Recently crown reduced. Regularly clipped into a pleached or semi pollarded form.	No urgent works needed.	2.52	B2
T	64		Carpinus betulus (Hornbeam)	EM	10	280	1	3	2.5	3	3	2.5	2	W	20+	Good	Fair. Medium sized tree of upright form. Roots lifting adjacent paving and disturbing kerb line. Some potentially weak unions in crown structure. Some branches damaged by passing vehicles.	Target prune broken/damaged branches.	3.36	B2
T	65		Carpinus betulus (Hornbeam)	EM	9	220	1	3	1.5	2	2	1.5	3	S	10+	Fair	Fair. Street tree. Upright form. Roots lifting adjacent paving. Possible root girdling. Some bark wounds to lower stem. Some potentially weak unions in crown structure. Recently crown lifted.	No urgent works needed.	2.64	C2
T	66		Carpinus betulus (Hornbeam)	EM	8	220	1	2	2.5	3	2	2.5	2	N	20+	Good	Fair. Smaller sized street tree. Upright form.	No urgent works needed.	2.64	B2

Sandyford Clonskeagh to Charlemont Street, Dublin

Tree Survey Report

T	67		Carpinus betulus (Hornbeam)	SM	8	210	1	2	2	2	1.5	2	2	S	20+	Good	Fair. Smaller sized street tree. Upright form.	No urgent works needed.	2.52	B2
T	68		Carpinus betulus (Hornbeam)	SM	8	210	1	2	1.5	2	2	2	2	NW	20+	Good	Fair. Smaller sized street tree. Upright form. Roots disturbing kerb line. Possible root girdling. Some bark wounds to lower stem.	No urgent works needed.	2.52	B2
T	69	P	Salix caprea (Goat Willow)	EM	6	296	5	2	3	3	2.5	3			10+	Poor	Fair/Poor. Smaller sized tree. Multiple stems below 1.5m. Dieback in crown.	Monitor tree condition. Remove deadwood.	3.55	U
T	70		Carpinus betulus (Hornbeam)	SM	8	170	1	3	1.5	1	1	1.5	2	S	10+	Fair	Fair. Smaller sized street tree. Slender, upright form.	No urgent works needed.	2.04	C2
T	71	P	Acer pseudoplatanus (Sycamore)	M	15	450	1	4	4	4	3	3			20+	Fair	Fair. Garden tree. Medium sized tree. Upright form. Lapsed pollard.	No urgent works needed.	5.4	B2
T	72	P	Acer pseudoplatanus (Sycamore)	M	15	700	1	4	5	7	6	6	2	S	20+	Fair	Fair/Poor. Garden tree. Medium sized tree. Spreading form. Lapsed pollard with some decay in old pruning points. Stem divides above 1.5m. Decay cavity in scaffold branch.	Crown reduce.	8.4	B2
T	73		Tilia platyphyllos (Large-leaved Lime)	M	15	685	1	6	5	5	5	5.5			20+	Fair	Fair. Fair vitality. Large specimen street tree. Multi-stem from 3m. Some damage to surface roots. Roots lifting adjacent paving.	No urgent works needed.	8.22	B2
T	74		Platanus X hispanica (London Plane)	M	17	940	1	5	5.5	5	4	5			40+	Good	Fair. Large specimen street tree. Roots lifting adjacent paving.	No urgent works needed.	11.3	A2
T	75		Tilia platyphyllos (Large-leaved Lime)	M	15	560	1	2	3.5	5	2.5	4			20+	Fair	Fair/Poor. Street tree. Medium sized tree. Upright form. Epicormic growth on stem. Large old wound on north side of stem at 4m. Previously pollarded.	Crown reduce.	6.72	B2
T	76	P	Tilia platyphyllos (Large-leaved Lime)	M	11	566	2	0	3	4	3	2	3	S	20+	Fair	Fair. Medium sized tree recently pollarded. Epicormic growth on stem. Suckers around stem base. Stem divides below 1.5m.	No urgent works needed.	6.79	B2
T	77	P	Betula pendula (Silver Birch)	EM	8.5	250	1	2	3	2.5	2.5	2.5			10+	Good	Fair. Garden tree. Smaller sized tree.	No urgent works needed.	3	C2
T	78	P	Ilex aquifolium (Holly)	M	6	300	1	2	2	2	1.5	2			10+	Good	Good. Garden tree. Smaller sized tree.	No urgent works needed.	3.6	C2

T	79		Tilia cordata (Small-leaved Lime)	SM	8	245	1	2	3	3	3	3	2	S	20+	Fair	Good. Smaller sized street tree. Upright form.	No urgent works needed.	2.94	B2
T	80	P	Platanus X hispanica (London Plane)	M	16	1400	1	5	9	7	8	8	2	SW	40+	Good	Fair. Large specimen tree in school grounds. Spreading form. Large surface roots. Broken branches hanging in crown. High amenity value.	Remove hangers.	15	A2
T	81	P	Ilex aquifolium (Holly)	M	7.5	300	1	3	3.5	3	3	3	2	E	10+	Good	Fair. Garden tree. Smaller sized tree.	No urgent works needed.	3.6	C2
T	82	P	Betula utilis (Himalayan Birch)	SM	7.5	206	3	3	3	2.5	3	3	2	N	10+	Fair	Fair. Garden tree. Multiple stems below 1.5m.	No urgent works needed.	2.47	C2
T	83	P	Robinia pseudoacacia (Locust Tree)	EM	11	350	1	4	6	6	5	6	4	S	20+	Fair	Fair. Garden tree. Medium sized tree.	No urgent works needed.	4.2	B2
G	3	P	Betula utilis (Himalayan Birch)	SM	7	150	1	3	2	2	2	2			10+	Fair	Fair. Linear group of four young Birch trees in church grounds.	No urgent works needed.	1.8	C2
T	84	P	Prunus spp (Flowering Cherry)	M	6	400	4	3	3	3	3	2			20+	Fair	Fair. Garden tree. Multiple stems below 1.5m.	No urgent works needed.	4.8	B2
T	85		Malus sylvestris (Crab Apple)	EM	6	200	1	2	2.5	3	2	2			10+	Good	Good. Garden tree. Smaller sized tree.	No urgent works needed.	2.4	C2
W	1	P	Acer pseudoplatanus (Sycamore) Fagus sylvatica (Beech) Cupressus macrocarpa (Monterey Cypress) Prunus avium (Wild Cherry) Aesculus hippocastanum (Horse Chestnut) Fraxinus excelsior (Ash)	M	20	800	1	2	6	6	6	6			40+	Fair	Fair. Linear wooded strip that includes numerous large high value trees. Tree condition is variable, with some canker evident in the Cypress trees. Includes 2x Beech, 1 Horse Chestnut and several mature Sycamore. Not directly accessed. High amenity value.	Carry out further inspection.	9.6	A2 B2 C2

Sandyford Clonskeagh to Charlemont Street, Dublin

Tree Survey Report

G	4	P	Betula pendula (Silver Birch)	EM	10	300	1	3	3	3	3	3			20+	Fair	Fair. Two garden trees. Previously topped.	No urgent works needed.	3.6	B2
T	86	P	Betula pendula (Silver Birch)	EM	10	300	1	3	5.5	5.5	4.5	4.5	3	SE	10+	Fair	Fair. Garden tree. Minor dieback in crown. Some epicormic growth.	Monitor tree condition.	3.6	C2
T	87	P	Chamaecyparis lawsoniana (Lawson Cypress)	M	8	630	4	3	3	3	3	4	1	W	20+	Good	Fair. Garden tree. Medium sized tree. Multiple stems below 1.5m. Previously topped.	No urgent works needed.	7.56	B2
T	88	P	Acer platanoides (Norway Maple)	SM	6	200	1	1	2.5	2.5	2	2	1	S	10+	Good	Good. Smaller sized tree in garden.	No urgent works needed.	2.4	C2
T	89	P	Prunus spp (Flowering Cherry)	M	6.5	400	1	2	5	5	4	4			10+	Fair	Fair. Garden tree. Spreading form.	Monitor tree condition.	4.8	C2
T	90		Corylus colurna (Turkish Hazel)	M	10	350	1	2	5	4	3	3.5	3	NE	20+	Fair	Fair. Street tree. Roots lifting adjacent paving.	No urgent works needed.	4.2	B2
T	91		Sorbus aucuparia (Rowan)	EM	5.5	215	1	2	3	2	2	3			10+	Fair	Fair. Smaller sized street tree. Roots lifting adjacent paving. Some bark wounds to stem base.	No urgent works needed.	2.58	C2
T	92	P	Fagus sylvatica 'Purpurea' (Copper Beech)	M	9.5	500	1	3	4.5	5	6	4.5	2	E	20+	Fair	Fair. Medium sized garden tree. Recently crown reduced.	No urgent works needed.	6	B2
T	93		Carpinus betulus (Hornbeam)	SM	4	100	1	3	1	1	1	1			10	Poor	Fair. Low vitality. Smaller sized street tree. Somewhat stunted. Upright form. Some bark wounds to lower stem.	No urgent works needed.	1.2	C2
T	94	P	Alnus glutinosa (Common Alder)	SM	5	150	1	2	1.5	1.5	1.5	1.5			10+	Fair	Fair. Garden tree. Smaller sized tree.	No urgent works needed.	1.8	C2
T	95	P	Alnus glutinosa (Common Alder)	SM	7	200	4	2	2	2	2	2			10+	Fair	Fair. Garden tree. Multiple stems below 1.5m.	No urgent works needed.	2.4	C2
T	96		Sorbus aria (Whitebeam)	M	7	255	1	3	3	3	2.5	3	3	SE	10+	Fair	Fair/Poor. Smaller sized street tree. Constricted by paving at root flare.	Increase opening in hard surfacing.	3.06	C2
T	97	P	Prunus spp (Flowering Cherry)	M	8	350	1	2	3.5	4	2.5	2.5	2	W	20+	Fair	Fair. Garden tree. Smaller sized tree.	No urgent works needed.	4.2	B2
T	98	P	Chamaecyparis lawsoniana (Lawson Cypress)	EM	5	300	4	1	1.5	1.5	1	1			10+	Fair	Fair. Garden tree. Smaller sized tree.	No urgent works needed.	3.6	C2

T	99		Acer pseudoplatanus (Sycamore)	M	9	566	2	0	2	2	2	2			10+	Fair	Fair. Garden tree. Unable to inspect stem due to thick Ivy and branching. Epicormic growth on stem. Suckers around stem base. Recently severely cut back/topped.	Cut back Ivy and review stem base.	6.79	C2
T	100		Pyrus spp. (Pear)	EM	5	200	1	2	4	3	3	1.5	2	NE	20+	Good	Fair. Street tree. Spreading form.	No urgent works needed.	2.4	B2
T	101		Betula pendula (Silver Birch)	EM	8	215	1	3	3.5	4	3.5	3.5	3	NE	10+	Fair	Fair. Street tree. Roots lifting adjacent paving. Some bark wounds to lower stem.	No urgent works needed.	2.58	C2
T	102		Betula pendula (Silver Birch)	SM	9	200	1	2	2	2	2	2			10+	Fair	Fair. Street tree. Smaller sized tree. Broken branches hanging in crown.	Target prune broken/damaged branches.	2.4	C2
T	103		Sorbus aucuparia (Rowan)	EM	5	130	1	3	2	2	2	2	2	W	10+	Fair	Fair. Smaller sized street tree. Upright form.	No urgent works needed.	1.56	C2
T	104		Prunus spp (Flowering Cherry)	Y	4	70	1	2	0.5	0.5	0.5	0.5			10+	Good	Fair. Smaller sized street tree. Upright form.	Remove tree tie.	0.84	C2
T	105	P	Ilex aquifolium (Holly)	EM	7	250	1	2	2	2	2	2.5			10+	Fair	Fair. Garden tree. Smaller sized tree in raised bed 1m above road level. Thick Ivy growth on tree stem.	No urgent works needed.	3	C2
W	2	P	Acer platanoides (Norway Maple) Acer pseudoplatanus (Sycamore) Taxus baccata (Yew) Chamaecyparis lawsoniana (Lawson Cypress)	M	18	400	1	2	5	5	5	5			20+	Fair	Mature woodland inside Milltown Park. Numerous mature (mostly Maple and Sycamore) trees growing inside the grounds of Milltown Park, separated from the streetscape by a substantial stone boundary wall. Trees not accessed for inspection or assessment.	Inspect and review from inside the grounds of the property.	4.8	A2 B2 C2
G	5	P	Carpinus betulus (Hornbeam)	SM	6	200	1	2	1.5	1.5	1.5	1.5			20+	Good	Fair. Linear group of four young Hornbeam trees. Good shape/form.	No urgent works needed.	2.4	B2
T	106	P	Ilex aquifolium (Holly)	M	7	377	4	0	3	3	1.5	2			10+	Fair	Fair. Garden tree. Unable to inspect stem due to undergrowth. Multiple stems below 1.5m.	No urgent works needed.	4.52	C2

Sandyford Clonskeagh to Charlemont Street, Dublin

Tree Survey Report

G	6	P	Acer pseudoplatanus (Sycamore) Aesculus hippocastanum (Horse Chestnut) Fraxinus excelsior (Ash) Tilia platyphyllos (Large-leaved Lime) Cupressus macrocarpa (Monterey Cypress) Taxus baccata (Yew) Pinus nigra (Austrian Pine) Laurus nobilis (Bay) Griselinia littoralis	M	18	500	1	5	4	4	4	4			20+	Fair-Poor	Fair. Group of tall mature trees around the boundary region of substantial private property. Separated from streetscape by tall stone wall. Some trees recently crown lifted.	Monitor tree condition.	6	A2 B2 C2
T	107		Platanus X hispanica (London Plane)	M	12	500	1	3	6	6	5	5	3	NE	20+	Fair	Fair. Large specimen street tree. Roots lifting adjacent paving. Compression fork on main stem. Initial lean but self corrects to vertical. Recently crown reduced.	No urgent works needed. Prune periodically to maintain as smaller tree.	6	B2
T	108		Aesculus hippocastanum (Horse Chestnut)	M	14	670	1	2	5.5	4.5	5.5	4.5	3	NW	20+	Fair	Fair. Large specimen street tree. Roots lifting adjacent paving. Some bark wounds to stem base. Recently crown reduced. Epicormic shoots on branching throughout crown.	No urgent works needed.	8.04	B2
T	109		Platanus X hispanica (London Plane)	M	16	500	1	7	5.5	5.5	5	4	6	NW	40+	Good	Fair. Large specimen street tree. Previously pollarded. High amenity value.	No urgent works needed.	6	A2
T	110	P	Tilia X europaea (Common Lime)	M	18	600	1	4	5.5	6	6.5	5.5	3	S	20+	Fair	Fair. Large specimen tree in private garden. Stem divides above 1.5m. Decay cavities developing in old wounds on stem. Previously pollarded. Not accessed for detailed inspection.	No urgent works needed.	7.2	B2
T	111	P	Betula pendula (Silver Birch)	EM	12	300	1	3	3.5	4	4	4			20+	Fair	Fair. Medium sized garden tree. Previously topped.	No urgent works needed.	3.6	B2

G	7	P	Salix X chrysocoma (Weeping Willow) Prunus cerasifera (Cherry Plum) Prunus spp (Flowering Cherry) Sorbus aria (Whitebeam) Liquidambar styraciflua (Sweet Gum)	M	8	300	1	2	3	3	3	3			20+	Fair	Fair. Linear group of garden trees set behind a 2m boundary wall.	No urgent works needed.	3.6	B2 C2
T	112	P	Ilex aquifolium (Holly)	EM	6	260	3	2	2	2.5	2	2	2	NW	10+	Fair	Fair. Garden tree. Smaller sized tree.	No urgent works needed.	3.12	C2
T	113	P	Betula pendula (Silver Birch)	M	11	350	1	3	2	2	2	4	3	SW	10+	Fair	Fair/Poor. Medium sized tree. Poor shape & form. Previously topped. Some branch stubs left from previous pruning works.	No urgent works needed. Prune periodically to maintain as smaller tree.	4.2	C2
T	114	P	Betula pendula (Silver Birch)	EM	10	354	2	5	1.5	4	4	2	1	N	10+	Fair	Fair. Poor shape & form. Previously topped. Some branch stubs left from previous pruning works.	Target prune broken/damaged branches. Target prune branch stubs.	4.25	C2
T	115	P	Betula pendula (Silver Birch)	EM	9	250	1	3	3	3.5	3	3			10+	Fair	Fair. Smaller sized tree. Poor shape & form. Some old wounds on stem. Previously topped.	No urgent works needed.	3	C2
T	116	P	Prunus spp (Flowering Cherry)	M	6	350	1	3	3.5	3	3.5	3.5	3	NW	10+	Fair	Fair. Garden tree behind wall. Minor dieback in crown.	No urgent works needed.	4.2	B2
T	117		Carpinus betulus (Hornbeam)	SM	6	120	1	2	1	1	1	1			10+	Fair	Fair. Smaller sized street tree. Upright form.	No urgent works needed.	1.44	C2
T	117	P	Betula pendula (Silver Birch)	SM	7.5	200	1	2	2.5	2.5	2.5	2	1	S	10+	Fair	Fair. Garden tree. Smaller sized tree.	No urgent works needed.	2.4	C2
T	118		Betula pendula (Silver Birch)	EM	16	295	1	3	3	3	3	2.5	4	S	20+	Good	Fair. Medium sized tree. Upright form. Roots lifting adjacent paving.	No urgent works needed.	3.54	B2
T	119	P	Acer pseudoplatanus (Sycamore)	M	17	800	1	6	8	7	7.5	7.5	3	N	40+	Fair	Fair. Large specimen garden tree. Stone wall seems to be being pushed out by the growth of the tree.	No urgent works needed.	9.6	A2

Sandyford Clonskeagh to Charlemont Street, Dublin

Tree Survey Report

G	8	P	Acer pseudoplatanus (Sycamore) Betula pendula (Silver Birch) Cotoneaster frigidus (Cotoneaster)	SM	8	200	1	2	2.5	2.5	2.5	2.5			10+	Fair	Fair. Garden trees inside boundary wall. Significant root spread into streetscape unlikely.	No urgent works needed.	2.4	C2
T	120	P	Prunus cerasifera (Cherry Plum)	M	7	300	1	2	3	3	3	3			10+	Fair	Fair. Garden tree. Unable to inspect stem due to undergrowth.	No urgent works needed.	3.6	C2
T	121	P	Ilex aquifolium (Holly)	M	9	424	2	3	3.5	3	2.5	3	3	N	10+	Fair	Fair. Garden tree behind wall. Stem divides below 1.5m. Some sparseness of upper crown.	No urgent works needed.	5.09	C2
T	122	P	Acer platanoides (Norway Maple)	EM	12	300	1	5	5	5	4.5	5	4	E	20+	Fair	Fair. Garden tree. Medium sized tree.	No urgent works needed.	3.6	B2
T	123	P	Acer platanoides (Norway Maple)	EM	12	350	1	4	5.5	4	2	4	3	N	20+	Fair	Fair. Medium sized tree. Poor shape & form. Asymmetric form due to group competition.	No urgent works needed.	4.2	B2
T	124	P	Cotoneaster frigidus (Cotoneaster)	M	8	442	5	4	5	3.5	4	4			10+	Fair	Fair. Garden tree. Multiple stems at ground level.	No urgent works needed.	5.3	C2
T	125	P	Fagus sylvatica 'Purpurea' (Copper Beech)	M	12	550	1	2	6	6	7.5	6	2	S	20+	Fair	Fair. Medium sized garden tree close to boundary wall. High amenity value. Minor deadwood in crown.	No urgent works needed.	6.6	B2
T	126	P	Acer pseudoplatanus (Sycamore)	M	13	650	1	5	9.5	9.5	9	9	4	W	20+	Fair	Fair. High amenity value. Large garden tree with a spreading form.	No urgent works needed.	7.8	B2
G	10	P	Ilex aquifolium (Holly)	EM	8	200	1	2	2	2	2	2			10+	Fair	Fair. Linear group of garden trees.	No urgent works needed.	2.4	C2
T	127	P	Taxus baccata (Yew)	M	11	500	1	4	6	6	5.5	6	3	E	40+	Fair	Fair. Mature garden tree.	No urgent works needed.	6	A2
T	128	P	Aesculus hippocastanum (Horse Chestnut)	M	12	515	2	2	5	5.5	6	4	1	N	20+	Fair	Fair. Fair vitality. Medium sized garden tree. Tree close to wall.	No urgent works needed.	6.18	B2
T	129	P	Taxus baccata (Yew)	M	10	400	1	2	4	3	6	6	2	SE	20+	Poor	Fair. Garden tree. Epicormic growth on stem. Minor dieback and minor deadwood in crown. Recently crown lifted.	Monitor tree condition.	4.8	B2
T	130	P	Taxus baccata (Yew)	EM	8	424	2	2	2	2	1.5	1	2	SW	10+	Poor	Fair/Poor. Smaller sized tree. Poor shape & form. Significant dieback in crown. Recently topped.	Monitor tree condition.	5.09	C2

T	131	P	Taxus baccata (Yew)	M	10	524	3	2	4	4	3	4			20+	Fair	Fair. Low vitality. Garden tree. Multiple stems below 1.5m. Sparse crown.	Monitor tree condition.	6.29	B2
T	132	P	Acer pseudoplatanus (Sycamore)	EM	12	400	1	2	6	5.5	5.5	5.5	3	N	20+	Good	Fair. Medium sized tree. Branching impacting wall and service wires. Tree stem base not accessed or visible.	Prune tree clear of service wires and wall.	4.8	B2
T	133		Acer pseudoplatanus (Sycamore)	M	13	763	2	2	6	6	3.5	5			20+	Fair	Fair/Poor. Medium sized tree in grounds of hospital behind retaining wall 1m above street level. Twin stem from ground level. Wood decay in old wound to lower stem. Asymmetric form due to group competition. Northern stem has old wound to south side.	Reduce weight of north side of crown.	9.16	B2
T	134		Betula pendula (Silver Birch)	EM	9	270	1	3	3	4	4	3	3	S	10	Fair	Poor. Street tree of poor shape & form. Roots lifting adjacent paving. Wood decay in old wound to lower stem. Some bark wounds to lower stem. Some damage from passing vehicles. Borderline cat U.	Consider removal as part of good management.	3.24	C2
T	135		Corylus colurna (Turkish Hazel)	M	7.5	235	1	2	3	3	2.5	2.5			10+	Good	Fair. Street tree. Good shape/form. Some damage to surface roots. Suckers around stem base. Some bark wounds to stem base.	No urgent works needed.	2.82	C2
T	136		Populus nigra 'Italica' (Lombardy Poplar)	M	16	1100	1	2	5	6	4	4	2	SW	10+	Poor	Fair/Poor. Large mature tree in hospital grounds above street level. Significant dieback in crown. Major deadwood in crown. Previously topped. Epicormic shoots on branching throughout crown.	Remove major deadwood. Crown reduce.	13.2	C2
T	137		Betula pendula (Silver Birch)	SM	8	170	1	2	3	2	2	2	3	W	<10	Poor	Poor. Low vitality. Smaller sized street tree. Poor shape & form. Wood decay in old wound at stem base. Dieback in crown.	Consider removal as part of good management.	2.04	U
T	138		Betula pendula (Silver Birch)	M	8.5	320	1	2	4	5	4	3.5	2	NE	10+	Fair	Poor. Street tree. Some damage to surface roots. Wood decay in old wound at stem base. Small decay cavity on stem.	Carry out further inspection. Of stem base.	3.84	C2
T	139		Prunus spp (Flowering Cherry)	M	8.5	480	1	2	5	5	6	4	2	SW	10+	Fair	Poor. Street tree. Roots lifting adjacent paving. Unbalanced crown shape. Decay at 2.5m north side of stem where scaffold lost in past.	Crown reduce.	5.76	C2
T	140		Crataegus monogyna (Hawthorn)	M	5.5	280	1	2	2	1.5	1.5	3	2	N	10+	Fair	Fair. Street tree. Slight lean to stem. Smaller sized tree. Some damage to surface roots. Minor dieback in crown.	No urgent works needed.	3.36	C2

Sandyford Clonskeagh to Charlemont Street, Dublin

Tree Survey Report

T	141		Pyrus spp. (Pear)	EM	8	240	1	3	3	2.5	3	3	2	W	10+	Fair	Fair. Low vitality. Slight lean to stem. Smaller sized street tree. Some damage to surface roots. Roots disturbing kerb line. Minor dieback in crown.	Monitor tree condition.	2.88	C2
T	142		Pyrus spp. (Pear)	EM	7.5	225	1	2	2	2.5	2.5	2.5	2	NW	20+	Fair	Fair. Street tree. Suckers around stem base.	No urgent works needed.	2.7	B2
T	143		Corylus colurna (Turkish Hazel)	SM	4	120	1	2	1.5	1.5	1.5	1.5	2	E	10+	Fair	Fair. Smaller sized street tree. Suppressed by neighbouring trees.	Prune neighbouring Beech tree.	1.44	C2
T	144		Betula pendula (Silver Birch)	SM	7	160	1	1	1.5	2	1.5	1	3	NE	10+	Fair	Fair. Slender form. Smaller sized tree. Suppressed by neighbouring trees. Asymmetric form due to group competition.	Prune neighbouring Sycamore.	1.92	C2
G	11		Carpinus betulus (Hornbeam)	Y	3	50	1	1	0.5	0.5	0.5	0.5	1	E	10+	Good	Fair. 3x newly planted young trees. Upright form. Good shape/form.	No urgent works needed.	0.6	C2
T	145		Sorbus aria (Whitebeam)	EM	5.5	245	1	2	3	2.5	2	2.5	3	S	10+	Poor	Poor. Smaller sized street tree. Wood decay in old wound to lower stem. Minor dieback in crown. Recently crown reduced.	Monitor tree condition.	2.94	C2
T	146	P	Betula pendula (Silver Birch)	EM	14	250	1	3	3	3	3	2	3	SE	10+	Fair	Fair. Garden tree close to wall. Upright form.	No urgent works needed.	3	C2
T	147	P	Betula pendula (Silver Birch)	SM	7	200	1	2	2	2	2	2	2	W	10+	Fair	Fair. Garden tree. Smaller sized tree. Behind wall.	No urgent works needed.	2.4	C2
T	148		Betula pendula (Silver Birch)	SM	8.5	180	1	1	2	2	3	3	3	N	10+	Fair	Fair. Smaller sized street tree. Poor shape & form. Some bark wounds to lower stem.	No urgent works needed.	2.16	C2
T	149		Carpinus betulus (Hornbeam)	EM	9	220	1	2	2	2.5	2	2.5	2	E	20+	Good	Good. Smaller sized tree. Good shape/form.	No urgent works needed.	2.64	B2
T	150		Prunus spp (Flowering Cherry)	EM	4.5	320	1	3	2.5	3	4	2.5	2	SE	<10	Poor	Poor. Smaller sized street tree. Some damage to surface roots. Wood decay in old wound to lower stem. Significant dieback in crown.	Consider removal as part of good management.	3.84	U
T	151		Betula pendula (Silver Birch)	SM	9.5	150	1	2	2	2	2	2	2	NE	10+	Fair	Fair. Smaller sized street tree. Average shape/form.	No urgent works needed.	1.8	C2
T	152		Betula pendula (Silver Birch)	EM	9.5	290	1	2	3.5	4.5	4	4	2	S	10+	Fair	Fair. Fair vitality. Street tree. Some damage to surface roots.	Crown lift to improve clearance.	3.48	C2
T	153		Sorbus aucuparia (Rowan)	EM	5	185	1	3	2	2	2	2	2	SW	10+	Fair	Fair. Smaller sized tree. Good shape/form.	No urgent works needed.	2.22	C2
T	154		Prunus spp (Flowering Cherry)	EM	6	250	1	1	3	5	4	3.5			20+	Good	Fair. Smaller sized tree. Spreading form.	Crown lift to improve clearance.	3	B2

T	155	Betula pendula (Silver Birch)	SM	7	200	1	2	2.5	2	2.5	2	2	N	10+	Fair	Fair. Smaller sized tree. Average shape/form.	No urgent works needed.	2.4	C2
T	156	Carpinus betulus (Hornbeam)	SM	7	165	1	2	2	2.5	2.5	2.5	2	W	20+	Good	Good. Smaller sized tree. Good shape/form.	No urgent works needed.	1.98	B2
T	157	Carpinus betulus (Hornbeam)	SM	7.5	165	1	2	2	2.5	2.5	2.5	2	S	20+	Good	Good. Smaller sized tree. Good shape/form.	No urgent works needed.	1.98	B2
T	158	Prunus spp (Flowering Cherry)	EM	4	180	1	2	3.5	2	3.5	3	2	W	10+	Fair	Fair. Smaller sized tree. Large surface roots.	No urgent works needed.	2.16	C2
T	159	Acer pseudoplatanus (Sycamore)	SM	6	200	1	3	3.5	2.5	1.5	2	2	W	10+	Poor	Fair. Smaller sized tree. Poor shape & form. Asymmetric form due to group competition. Minor dieback in crown.	Monitor tree condition.	2.4	C2
T	160	Acer pseudoplatanus (Sycamore)	EM	9	350	1	3	4	5	5	4	3	E	20+	Fair	Fair. Fair vitality. Previously topped.	No urgent works needed.	4.2	B2
T	161	Betula pendula (Silver Birch)	SM	8.5	190	1	1	2	1	2	2	3	E	10+	Good	Fair. Average shape/form.	No urgent works needed.	2.28	B2
T	162	Betula pendula (Silver Birch)	SM	8	190	1	0	2	2	2.5	3	3	N	20+	Good	Fair. Smaller sized tree. Upright form.	No urgent works needed.	2.28	B2
T	163	Acer pseudoplatanus (Sycamore)	EM	9	300	1	3	4	3.5	3	3	2	W	20+	Fair	Fair. Medium sized tree. Minor deadwood in crown. Previously topped.	No urgent works needed.	3.6	B2
T	164	Betula pendula (Silver Birch)	EM	10	225	1	2	3	2	2	3			20+	Good	Fair. Upright form.	No urgent works needed.	2.7	B2
T	165	Acer saccharinum (Silver Maple)	EM	7	300	1	2	4.5	5	3	4.5	1	W	10+	Fair	Poor. Epicormic growth on stem. Wood decay in old wound at stem base. Previously topped. Dead branch at 1.5m.	Remove major deadwood. Prune periodically to maintain as smaller tree.	3.6	C2
T	166	Betula pendula (Silver Birch)	EM	7.5	180	1	2	2	2.5	2	2	2	E	10+	Fair	Fair. Smaller sized tree. Some potentially weak unions in crown structure.	Prune to favour development of stronger main leader above tight union.	2.16	C2
T	167	Betula pendula (Silver Birch)	SM	6	120	1	2	2	1	2	2	2	E	10+	Fair	Fair/Poor. Smaller sized tree. Long vertical wound to lower 1.5m of stem. Limited potential.	No urgent works needed. Consider removal as part of good management.	1.44	C2
T	168	Acer pseudoplatanus (Sycamore)	EM	10	345	1	3	5	5	4	5	3	S	20+	Good	Fair. Minor deadwood in crown. Previously topped.	No urgent works needed.	4.14	B2

Sandyford Clonskeagh to Charlemont Street, Dublin

Tree Survey Report

T	169	Prunus spp (Flowering Cherry)	EM	7	350	1	2	3.5	3	2.5	3	2	E	20+	Good	Fair. Multiple stems above 1.5m.	No urgent works needed.	4.2	B2
T	170	Betula pendula (Silver Birch)	M	13	350	1	2	3.5	3	3	3	3	S	20+	Good	Fair. Medium sized street tree. Upright form. Roots disturbing kerbline. Restricted growing space.	No urgent works needed.	4.2	B2
T	171	Betula pendula (Silver Birch)	SM	6	130	1	3	0.5	1.5	1.5	1	4	E	10+	Fair	Fair. Slender form. Smaller sized tree.	No urgent works needed.	1.56	C2
T	172	Betula pendula (Silver Birch)	EM	9	250	1	3	3	4	4	4	2	S	10+	Fair	Fair/Poor. Medium sized tree. Average shape/form. Some damage to surface roots. Large surface roots.	No urgent works needed.	3	C2
T	173	Betula pendula (Silver Birch)	M	10	250	1	2	4	3	3.5	4.5	3	S	20+	Fair	Fair. Medium sized tree. Average shape/form. Concrete all around stem base.	No urgent works needed.	3	B2
T	174	Betula pendula (Silver Birch)	EM	9	265	1	2	3	3	3	3.5	3	N	20+	Fair	Fair. Street tree. Multiple stems above 1.5m.	No urgent works needed.	3.18	B2
G	12	Chamaecyparis lawsoniana (Lawson Cypress) Fagus sylvatica (Beech) Acer pseudoplatanus (Sycamore) Crataegus monogyna (Hawthorn) Pyrus (Pear) Prunus spp (Flowering Cherry)	M	5-18	200-600	1	0	5	5	5	5			20+	Good Fair	Good/Fair. Linear tree group inside hospital grounds. Set 3-4m above road level. Trees not individually assessed, but includes numerous larger mature Sycamore and Beech trees of high amenity value along southern part of group. Generally smaller trees (Lawson Cypress) and shrubs along northern part of group. No significant root spread into streetscape likely.	Inspect and review from inside the grounds of the property.	6	A2 B2 C2
T	175	Acer pseudoplatanus (Sycamore)	SM	8	200	1	2	3	2	1.5	1.5			10+	Fair	Fair. Smaller sized tree. Poor shape & form.	No urgent works needed.	2.4	C2
T	176	Corylus colurna (Turkish Hazel)	EM	8	200	1	2	2.5	2	2	2.5			20+	Good	Good. Smaller sized tree. Good shape/form.	No urgent works needed.	2.4	B2
T	177	Acer pseudoplatanus (Sycamore)	SM	6	150	1	2	1.5	1.5	1	1			10+	Fair	Fair. Slender form. Smaller sized tree. Upright form.	No urgent works needed.	1.8	C2
T	178	Corylus colurna (Turkish Hazel)	M	11	350	1	2	3.5	3	4	3			20+	Good	Fair. Medium sized tree. Average shape/form. Thick Ivy growth on tree stem.	No urgent works needed.	4.2	B2

T	179		Corylus colurna (Turkish Hazel)	M	10	400	1	2	5	5	4	4			20+	Good	Fair. Medium sized tree. Average shape/form. Thick Ivy growth on tree stem. Suckers around stem base.	No urgent works needed.	4.8	B2
T	180		Sequoiadendron giganteum (Wellingtonia)	SM	11	450	1	0	3	2.5	3	3			20+	Good	Good. Good vitality. Upright form. Good shape/form.	No urgent works needed.	5.4	B2
T	181		Sequoiadendron giganteum (Wellingtonia)	SM	9	350	1	0	2.5	2	2.5	2			20+	Good	Good. Good shape/form.	No urgent works needed.	4.2	B2
T	182		Betula pendula (Silver Birch)	EM	11	245	1	1	2	3	3	2			20+	Good	Fair. Street tree. Medium sized tree. Average shape/form.	No urgent works needed.	2.94	B2
T	183		Acer pseudoplatanus (Sycamore)	SM	8	200	1	4	5	2	0.5	2	4	N	10+	Fair	Fair. Self-sown young tree. Leaning North. Smaller sized tree.	No urgent works needed.	2.4	C2
T	184		Acer pseudoplatanus (Sycamore)	SM	8	180	2	3	4.5	3	0.5	1			10+	Fair	Fair. Self-sown young tree. Leaning North. Smaller sized tree. Stem divides below 1.5m.	No urgent works needed.	2.16	C2
T	185		Ulmus glabra (Wych Elm)	SM	8.5	150	1	3	3.5	1.5	0.5	1.5			10	Fair	Fair. Slender form. Smaller sized tree.	No urgent works needed. Monitor tree condition.	1.8	C2
T	186		Betula pendula (Silver Birch)	SM	9	200	1	2	2	2	2.5	2	2	W	10+	Fair	Fair. Street tree in grass verge. Average shape/form.	No urgent works needed.	2.4	C2

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