



Arboricultural Impact Assessment

Prepared for:

ESTUARY VIEW ENTERPRISES 2020 LTD

Proposed site:

Proposed SHD Residential Development ('The Farm'), Bessborough House, Co. Cork. (Phase 2)

Prepared by:

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1 Summary

1.1 This arboricultural report has been commissioned by ESTUARY VIEW ENTERPRISES 2020 LTD to provide information to assist with the planning process in relation to the SHD planning application The Farm Bessborough House, Cork.

1.2 This report includes:

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

2.0 Introduction

2.1 Instructions

Arbor-Care Ltd (Professional Consulting Tree Service) was retained by ESTUARY VIEW ENTERPRISES 2020 LTD to undertake an on-site inspection and visual condition assessment of all trees could be potentially impacted by the development works within the site extents (Figure 1), the findings of the report will be used to inform design of development works and support a SHD planning application for same.

The objective of the impact assessment was to identify the areas that contained trees, groups of trees, and to ensure where possible that these areas would be retained and to identify the trees that are to be removed to facilitate the development.

The survey commenced on the 20th October 2021. The survey concentrated on the area within development area.

The below impact assessment report is based on the British standard *BS 5837:2012 Trees in relation to design, demolition and construction recommendations*, this standard gives recommendations and guidance on the principles to be applied to achieve a satisfactory juxtaposition of trees, including shrubs, hedges and hedgerows, with structures. It sets out to assist those concerned with trees in relation to construction to form balanced judgements. This impact assessment report will be accompanied by an inventory of trees and hedgerows on site and a tree protection plan. The Arboricultural Impact Assessment and a tree protection plan was prepared for the site identifying trees that may be impacted on by the proposed development based on the proposed design.

2.2 Methodology

An initial tree survey and visual condition assessment was on the 20th October 2021. The purpose of this report and in accordance with *BS 5837: 2012 Trees in relation to design, demolition and construction. Recommendations* only trees with diameters of 75mm or greater were surveyed. Also in accordance with section 4.4.2.3 of the British standard document where trees formed obvious groups these were assessed and recorded as groups. All trees were individually tagged with a metal disc. This was placed on the northern side of the tree where practical.

Section 4.4.2.3 of BS 5837: 2012 states:

Trees growing as groups or woodland should be identified and assessed as such where the arboriculturist determines that this is appropriate. However, an assessment of individuals within any group should still be undertaken if there is a need to differentiate between them, e.g. in order to highlight significant variation in attributes (including physiological or structural condition).

NOTE: The term “group” is intended to identify trees that form cohesive arboricultural features either aerodynamically (e.g. trees that provide companion shelter), visually (e.g. avenues or screens) or culturally, including for biodiversity (e.g. parkland or wood pasture), in respect of each of the three subcategories.

The survey concentrated primarily on the significant trees/ groups located within and adjacent to the proposed development area and has been based on the topographical survey plan provided. The objective of this survey was to gather information regarding the trees within or adjacent to the development area and the impact the proposed scheme may have on the trees. **Please refer to Appendix A for the tree inventory.**

Significant trees can be equated as those trees whose visual importance to the surrounding area are sufficient to justify special efforts to protect/preserve and whose loss would have an irremediable adverse impact on the local environment. Significance can also be placed depending on the trees age, another variable to imply significance can be the aesthetic merit of the tree based on its unusual size, intrinsic physical features or outstanding appearance or occurring in a unique location or context, and thus provides a special contribution as a landmark or landscape feature.

All above parts of the trees were visually examined. Tree diameters (DBH) were estimated at 1.5 meter above grade as per standard arboricultural practice. Tree height was measured with the use of a clinometer (Where practical). A generalised system was employed to describe the overall health of the trees. The system uses a three tier rating scale with the following descriptors:

Specimen condition 3-tier rating system

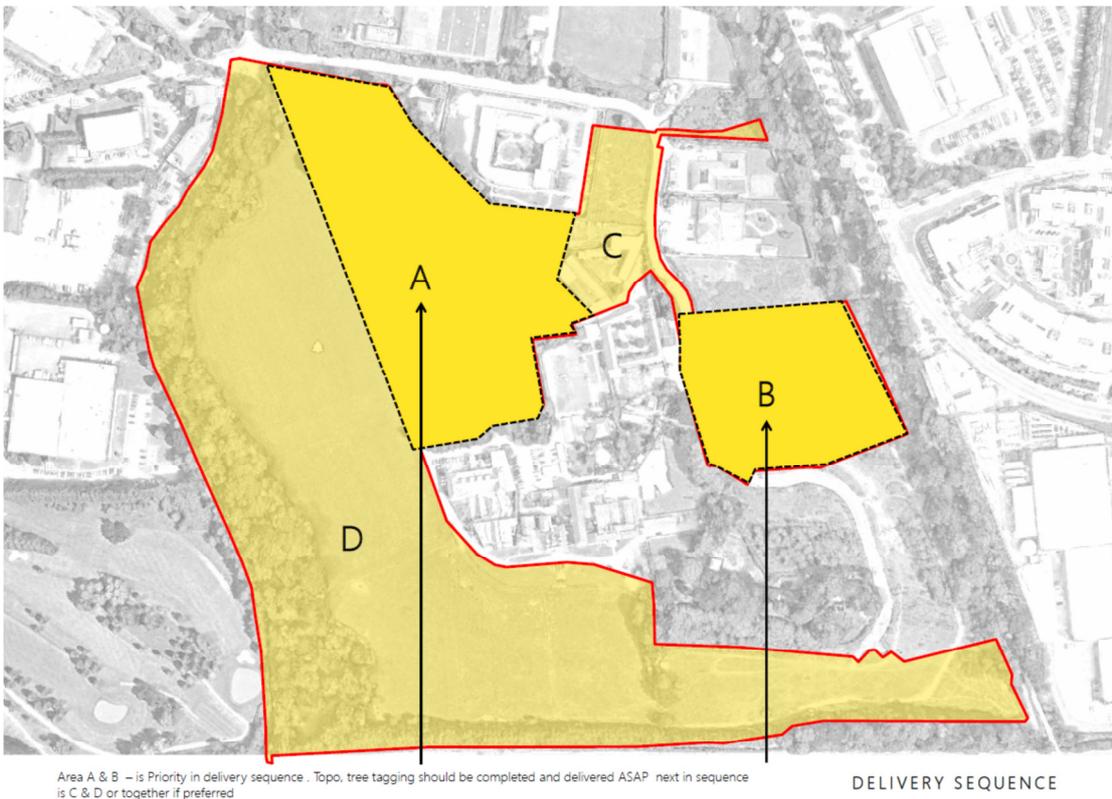
- Poor- 1-30%
- Fair- 31-60%
- Good- 61-100%

3.0 Initial Tree Survey Overview

A total of 359 trees were surveyed. The surveyed trees include a mixture of semi-mature to large mature parkland trees.

Figure 1.0 Proposed site.

Survey area for The Farm is highlighted as area A and C



3.1 The Trees.

A total of 359 trees were surveyed. The surveyed trees include a mixture of semi-mature to large mature parkland trees.

A breakdown of the Tree Categories on site as per BS 5837 2012 is set out in the table below:

Category	Quantity	Category %
A-Tree of high quality	65	18.2%
B-trees of good quality	226	63%
C (Low quality or trees less than 75mm diameter)	57	15%
U (remove due to poor condition)	11	3%
Total Trees surveyed	359	100%

4.0 Statutory and Non-Statutory Designations

The National Planning Framework (NPF) seeks to ensure that new development is sustainable and underlines the importance of Green Infrastructure, of which trees form an integral part. This encompasses recognition of the importance of trees in relation to the management of air, soil and water quality along with other associated ecosystem services and climate change adaptation. The NPF also seeks to achieve the protection and enhancement of landscapes and a net gain in biodiversity.

The site is located within the jurisdiction of Cork City Council. The Local Planning Authorities have a statutory duty to consider both the protection and planting of trees when considering planning applications. The potential impact of development on all trees (including those not protected by a Tree Preservation Order or other statutory designation) is therefore a material consideration. I have reviewed *Cork City County Development Plan 2022-2028 Tree Preservation Orders (TPO's)*. There are no TPO's identified within the development site.

5.0 The Proposed Development (figure 2)

Development Description

The proposed development provides for the demolition of 10 no. existing agricultural buildings /sheds and log cabin structure and the construction of 140 apartments over 2 no. retained and repurposed farmyard buildings and 3 no. new blocks of 3-5 storeys in height. The development will consist of 1 no. 3-bedroom apartments, 69 no. 2-bedroom apartments, and 70 no. 1-bedroom apartments, and the refurbishment, amalgamation and change of use of 3 no. agricultural buildings to provide communal

facilities. Provision is made for a creche at ground floor level in Building D, and shared communal facilities including a resident's gym, workspace, lounge, function room, library, lobby and concierge facilities across buildings A, B, D and E. Building management facilities including plant and storage areas are provided across all apartment buildings. The proposed development includes a new pedestrian/cycle bridge over the adjoining Passage West Greenway to the east, connecting into the existing down ramp from Mahon providing direct access to the greenway and wider areas. The development includes new pedestrian/cycle path infrastructure to the north of Bessborough Estate with new archway access point in the estate wall with pedestrian crossing tying into the local footpath network.

The development includes a publicly accessible parkland, including restoration of its historic pathways. Ancillary site works to include provision of a substation, playground and outdoor amenity spaces, landscaping, 58 no. car parking spaces, 5 no. motorbike spaces, 330 no. bicycle parking spaces, bin stores and public lighting. Vehicular access to the proposed development will also be provided via existing access road off the Bessborough Road.

Figure 2. The Proposed Development



6.0 Arboricultural Impact Assessment

This impact assessment sets out the likely principal direct and indirect impacts of the Proposed Development on the trees on or immediately adjacent to the Site and suitable mitigation measures to allow for the successful retention of significant trees or to compensate for trees to be removed, where appropriate.

A brief summary of trees to be removed, tree works and incursions related to the Proposed Development are detailed within the table below.

Table 1: Schedule of trees to be removed to accommodate the design (To be read in conjunction with Appendix 1 and the Tree Protection Plan

Tree number	Species	Age Class	Tree category
6902	Birch	Mature	B2
6907	Sycamore	Mature	B2
6908	Sycamore	Mature	B2
6914	Sycamore	Mature	B2
6923	Eucalyptus	Mature	B2
6924	Eucalyptus	Mature	B2
6925	Elm	Mature	B2
6926	Sycamore	Mature	B2
6930	Birch	Mature	A2
6931	Scots pine	Mature	A2
6934	Turkey oak	Mature	A2
6935	Yew	Mature	B2
6938	Cedar	Mature	A2
6940	Sycamore	Mature	B2
6941	Eucalyptus	Mature	B2
6944	Eucalyptus	Mature	B2
6945	Eucalyptus	Mature	A2
6947	Monterey cypress	Mature	B2
6948 x 2	Bay	Mature	B2
6951	Eucalyptus	Mature	A2
6958	Beech	Mature	B2
6959	Monterey cypress	Mature	B2
6961	Whitebeam	Mature	B2
6964	Eucalyptus	Mature	B2
6965	Eucalyptus	Mature	B2
6967	Eucalyptus	Mature	A2

6968	Bay	Mature	B2
6969	Sycamore	Mature	B2
6970	Sycamore	Mature	B2
6974	Sycamore	Mature	B2
6975	Cedar	Mature	A2
6987	Silver birch	Mature	B2
7008	Lime	Mature	B2
7009	Lime	Mature	B2
T1	Sycamore	Mature	B2
T2	Sycamore	Mature	B2
T5	Ash	Mature	B2
6826	Ash	Mature	B2
6827	Holly	Mature	B2
4636	Oak	Mature	B2
6903	L. cypress	Mature	C2
6909	Monterey cypress	Mature	C2
6915	L. Cypress	Mature	C2
6932	Ash	Mature	C2
6933	Ash	Mature	C2
6936	Ash	Mature	C2
6937	Larch	Mature	C2
6939	Bay	Mature	C2
6952	L. cypress	Mature	C2
6966	Ash	Mature	C2
6991	Sycamore	Mature	C2
T3	Sycamore	Semi-mature	C2
T6	Sycamore	Early-mature	C2

Total tree removal to facilitate the development= 54

Table 1A: Schedule of trees to be removed due to their poor condition (To be read in conjunction with Appendix 1 and the Tree Protection Plan

Tree number	Species	Age Class	Tree category
4650	Scots pine	Mature	U
4640	Scots pine	Mature	U
6845	Elm	Mature	U
6894	Ash	Mature	U
6905	Ash	Mature	U
6943	Ash	Mature	U
6946	Ash	Mature	U
6960	Ash	Mature	U
7086	Elm	Mature	U
7098	Cherry	Mature	U

Total tree removal based on condition =10

7.1 The arboricultural impact of the proposed development on the site will be low. It is proposed to remove 54 trees to facilitate the scheme. A further 10 tree have been proposed to be removed based on their poor conditions. A new planting scheme of site appropriate trees will enhance the local arboreal footprint.

Of the trees to be removed to accommodate the proposed design, these consist of 9 no. category A trees, 32 no. category B plus 13 no. category C trees and 10 no. category U trees.

In accordance with *BS 5837: 2012 Trees in relation to design, demolition and construction. Recommendations.*, Category A represents trees of a high quality and value, “in such a condition as to be able to make a substantial contribution. (A minimum of 40 years is suggested).” Category B signifies those trees of a “moderate value and in such a condition as to be able to make a substantial contribution (A minimum life expectancy of 20 yrs is suggested).” Category C signifies those trees of “a low quality and value that are currently in an adequate condition to remain until new planting could be established (A minimum life expectancy of 10yrs is suggested).. Category U signifies those trees “that are in such a condition that any existing value would be lost within 10 years and which should, in the current context, be removed for reasons of sound arboricultural management”.

- 7.2 **Arboricultural works** – Aside from tree removals , no further tree remedial works have been identified at this stage
- 7.3 Following the completion of the development, a tree condition assessment should be carried out on all retained trees for health and safety purposes.
- 7.4 Tree protection measures - All retained trees and hedgerows can be successfully protected during the proposed development by using robust fencing which complies with the recommendations outlined within BS5837:2012.
- 7.5 No materials or equipment other than those required to install tree protection will be delivered to the site until all fencing is in place.
- 7.6 For details of the tree protection measures required during construction, please refer to the Tree Protection Plan.
- 7.7 Compound area – The proposed site compound area has not yet been designed; however, there is sufficient space available throughout the site to avoid any unnecessary impacts to retained trees, provided the tree protection measures as detailed within this report are carried out.
- 7.8 Site access – There are no site access issues
- 7.9 Daylight and sunlight levels - Shading by trees has been assessed and is not considered a significant issue in relation to this proposal.
- 7.10 Drainage and services – All new service runs should be located outside the RPAs of retained trees to avoid impacting their condition. If it is found necessary to locate services within tree RPAs, it is recommended that these works are carried out under arboricultural supervision. Methods of work should follow the recommendations in the NJUG guidance. BS5837 (2012) recommends the NJUG guidance as a normative reference to be used in these circumstances.
- 7.11 Boundary treatments – None required
- 7.12 Any working operation within the RPAs of retained trees must be carried out manually using hand tools only. Fencing posts must be positioned at least 50 cm from the outer stems of each retained tree in order to allow for future incremental stem growth and to avoid structural roots during excavation works. The excavation for pits to install posts will be carried out using hand tools only. All roots above 25mm in diameter will be

retained within the pits or alternative locations which do not contain roots above 25mm will be found. All fence post pits will be lined with 1000-gauge polythene to prevent phytotoxic effects of cement products impacting trees. The final location of the fence should be agreed by the arboricultural consultant prior to works commencing.

- 7.13 Landscape operations - Landscaping operations will typically take place at the end of the construction period. These works will normally require the removal of protective fencing to facilitate access for works. There is a risk that plant and machinery may damage soil structure where tree roots are growing. These risks can be managed by maintaining good professional standards of work and working to a method statement. The principle of avoiding soil disturbance or changes in levels within the RPAs of retained trees should be followed unless arboricultural advice has been sought.

Arboricultural mitigation

- 7.14 A landscape plan may form part of the proposed works has been designed as part of the proposal and may include a number of new high-quality tree. The proposed planting will mitigate the loss of trees and hedgerows on site (if so determined) and will have a positive impact on local tree population. The number trees proposed to be planted will ensure that local canopy cover will gradually increase over the years and surpass the existing canopy cover within this area. A greater diversity of tree species has also been selected and will ensure that the tree population is less vulnerable to the risks posed by climate change and pests and diseases in the future.

Proposal in relation to local planning policy

- 8.2 The proposed development complies with local planning policy as it relates to trees. A tree survey has been carried out in accordance with best practice and where possible trees have been retained and can be successfully protected during construction.
- 8.3 A landscape plan which includes new high quality tree planting may form part of the proposal. New planting will mitigate the loss of trees and enhance the visual appearance of the site in the future. Please review the landscape plan for further information

Conclusion

- 8.4 The proposal has been assessed in accordance with BS5837:2012 and special working methods have been recommended to minimise tree impacts.
- 8.5 Retained trees have been assessed and can be successfully protected during development by following the information provided within this report and adhering to industry best practice.
- 8.6 Provided the recommendations and methods of work, as outlined within this report, are adhered to, the proposed development can be successfully carried out without having a negative impact on the character or appearance of the surrounding landscape.

Recommendations

- 9.1 The proposal should be carried out in accordance with the recommendations outlined within this report.
- 9.2 The positioning of tree protective barriers should be installed as detailed within the Tree Protection Plan.
- 9.3 Site supervision should be carried out by an arboricultural consultant at key stages of the project to ensure that retained trees are successfully protected during the development. Details of supervision are included within the Arboricultural Method Statement at Section 2 of this report

Appendix A: Key to Abbreviations Used in the Survey

Ref No	Specific identification number given to each tree or group. T=Tree/H=Hedge/G=Group/W=Woodland/S=Shrub.	
Tag No.	Tree marked with individual tree tag of this reference number on site.	
Species	Common name followed by botanical name shown in <i>italics</i>	
RPA	Root Protection Area (As defined by BS5837)	
Stem diameter	Diameter of main stem, measured in millimetres at 1.5 m above ground level. (MS = Multi-stem tree measured in accordance with BS5837 Annexe C)	Av / Average: indicates an average representative measured dimension for the group or feature
Spread	The width and breadth of the crown. Estimated on the four compass points in metres.	
Crown clearance	The estimated height (in metres) above ground level of the lowest significant branch attachments.	
#	Estimated dimensions	
*	Indicates estimated position of tree (not indicated on topographical survey).	
P	Privately owned tree (e.g. tree not located in the public highway or adjacent public land).	
Category	Categorisation of the quality and benefits of trees on Site as per Table 1 and 2 of BS5837:2012. 1=Arboricultural quality/value 2=Landscape quality/value 3=Cultural quality/value (including conservation)	
	A=High quality/value 40yrs+ (light green). B=Moderate quality/value 20yrs+ (mid blue) C=Low quality/value min 10yrs/stem diameter less than 150mm (grey). U=Unsuitable for retention (dark red).	
Life stage	Young (Y): Newly planted tree 0-10 years. Semi-Mature (SM): Tree in the first third of its normal life expectancy for the species (significant potential for future growth in size). Early Mature (EM): Tree in the second third of its normal life expectancy for the species (some potential for future growth in size) Mature (M): Tree in the final third of its normal life expectancy for the species (having typically reached its approximate ultimate size). Over Mature (OM): Tree beyond the normal life expectancy for the species. Veteran (V): Tree which is of interest biologically, aesthetically or culturally because of its condition, size or age.	
Structural condition	Good: No significant structural defects Fair: Structural defects which can be resolved via remedial works. Poor: Structural defects which cannot be resolved via remedial works. Dead: Dead.	
Physiological condition	Good: Normal vitality including leaf size, bud growth, density of crown and wound wood development. Fair: Lower than normal vitality, reduced bud development, reduced crown density, reduced response to wounds. Poor: Low vitality, low development and distribution of buds, discoloured leaves, low crown density, little extension growth for the species. Dead: Dead Fair/Good = Indicates an intermediate condition Fair – Good = Indicates a range of conditions (e.g. within a group)	
Preliminary management recommendations	Works identified during the tree survey as part of sound arboricultural management, based on the current context of the Site (where relevant reference has been made to tree management based on the potential future context of the site).	
Works to facilitate the development	Tree works identified as necessary to facilitate the Proposed Development following a desk top analysis of the proposals in relation to tree constraints.	

Appendix A: Tree Survey Schedule

Tree #	Species Botanical Name	Age class	Size (mm)	Height (M)	Crown Sp. (M)	Crown Cl.(M)	Condition	Structural/Physiological Observations	Impact of the development	PMR	Category	R.P.A. Meters	
6837	<i>Taxus Baccata</i> <i>Fastigiata</i> Irish Yew	M	400	14	N=3 S=3 E=3 W=3	2m	Good	A large mature Irish Yew displaying over all good condition. This tree has 40+ years remaining	No impact	No works required	A2	5.0m	
6838	Irish Yew	M	720	16	N=4 S=4 E=4 W=4	1m	Good	A large mature Irish Yew displaying over all good condition. This tree has 40+ years remaining.	No impact	No works required	A2	8.2m	
6839	<i>Acer Pseudoplatanus</i> Sycamore	M	600	26	N=6 S=2 E=4 W=4	3m	Good	A large mature Sycamore displaying over all good condition. This tree has 40+ years remaining	No impact	No works required	B2	7.0m	
6840	<i>Laurus Nobilis</i> Bay	M	300	14	N=2 S=2 E=2 W=2	2m	Good	A mature multi-stemmed Bay displaying over all good condition. This tree has 20+ years remaining.	No impact	No works required	B2	4.0m	
6841	Bay	M	300	14	N=2 S=2 E=2 W=2	2m	Good	A mature multi-stemmed Bay displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	4.0m	
6842	Bay	M	300	14	N=2 S=2 E=2 W=2	2m	Good	A mature multi-stemmed Bay displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	4.0m	

Appendix 1

Bessborough House, Co. Cork

Tree #	Species Botanical Name	Age class	Size (mm)	Height (M)	Crown Sp. (M)	Crown Cl.(M)	Condition	Structural/Physiological Observations	Impact of the development	PMR	Category	R.P.A. Meters
6843	<i>Tilia</i> Lime	M	600	16	N=4 S=4 E=4 W=4	1.5m	Good	A mature Lime displaying over all good condition. This tree has 40+ years remaining.	No impact	No works required	B2	7.0m
6844	Bay	M	300	14	N=2 S=2 E=2 W=2	2m	Good	A mature multi-stemmed Bay displaying over all good condition. This tree has 20+ years remaining.	No impact	No works required	B2	4.0m
6845	Elm	M	400	18	N= S= E= W=		Poor	This tree is dead. It is partially uprooted and is located adjacent to the road so is a hazard	No impact	Remove	U	
6846	Sycamore	M	500	20	N=3 S=3 E=3 W=3	4m	Good	A large mature Sycamore displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	6.0m
6847	Irish Yew	M	750	16	N=4 S=4 E=4 W=4	2m	Good	A large mature multi-stemmed Irish Yew displaying over all good condition. This tree has 40+ years remaining	No impact	No works required	A2	8.5m
6848	Lime	M	650	18	N=4 S=4 E=4 W=4	4m	Good	A large mature Lime displaying over all good condition. This tree has 40+ years remaining.	No impact	No works required	B2	7.5m

Appendix 1

Bessborough House, Co. Cork

Tree #	Species Botanical Name	Age class	Size (mm)	Height (M)	Crown Sp. (M)	Crown Cl.(M)	Condition	Structural/Physiological Observations	Impact of the development	PMR	Category	R.P.A. Meters
6849	<i>Fagus</i> Beech	M	400	16	N=3 S=3 E=3 W=3	3m	Good	A large mature Beech displaying over all good condition.	No impact	No works required	B2	5.0m
6850	<i>Fraxinus</i> Ash	M	600	22	N=4 S=4 E=4 W=4	4m	Good	A large mature co-dominant Ash displaying over all good condition. This tree has 40+ years remaining	No impact	No works required	B2	7.0m
6851	Beech	M	700	24	N=4 S=4 E=4 W=4	4m	Good	A large mature Beech displaying over all good condition. This tree has 40+ years remaining	No impact	No works required	A2	8.0m
6852	<i>Quercus Ilex</i> Holm Oak	M	950	18	N=6 S=6 E=6 W=6	3m	Good	A large mature Holm Oak displaying over all good condition. This tree has 40+ years remaining	No impact	No works required	A2	10.5m
6853	Beech	M	620	24	N=4 S=4 E=4 W=4	2m	Good	A large mature Beech displaying over all good condition. This tree has 40+ years remaining.	No impact	No works required	A2	7.2m

Appendix 1

Bessborough House, Co. Cork

Tree #	Species Botanical Name	Age class	Size (mm)	Height (M)	Crown Sp. (M)	Crown Cl.(M)	Condition	Structural/Physiological Observations	Impact of the development	PMR	Category	R.P.A. Meters
6854	<i>Quercus Cerris</i> Turkey Oak	M	600	24	N=4 S=4 E=6 W=6	4m	Good	A large mature Turkey Oak displaying over all good condition. This tree has 40+ years remaining	No impact	No works required	A2	7.0m
6855	Sycamore	M	500	24	N=3 S=3 E=3 W=3	6m	Good	A mature Sycamore displaying over all good condition. This tree has 40+ years remaining	No impact	No works required	B2	6.0m
6856	Beech	M	600	24	N=4 S=4 E=4 W=4	2m	Good	A mature Beech displaying over all good condition. This tree has 40+ years remaining	No impact	No works required	A2	7.0m
6857	Beech	M	440	24	N=3 S=3 E=3 W=3	3m	Good	A mature Beech displaying over all good condition. This tree has 40+ years remaining	No impact	No works required	A2	5.4m
6858	Beech	M	440	24	N=3 S=3 E=3 W=3	3m	Good	A mature Beech displaying over all good condition. This tree has 40+ years remaining	No impact	No works required	A2	5.4m

Appendix 1

Bessborough House, Co. Cork

Tree #	Species Botanical Name	Age class	Size (mm)	Height (M)	Crown Sp. (M)	Crown Cl.(M)	Condition	Structural/Physiological Observations	Impact of the development	PMR	Category	R.P.A. Meters
6859	Beech	M	700	26	N=4 S=4 E=6 W=6	2m	Good	A mature Beech displaying over all good condition. This tree has 40+ years remaining	No impact	No works required	A2	8.0m
6860	Beech	M	960	28	N=6 S=8 E=6 W=6	3m	Good	A large mature Beech displaying over all good condition. This tree has 40+ years remaining	No impact	No works required	A2	10.6m
6861	Beech	M	800	24	N=6 S=3 E=4 W=4	4m	Good	A large mature Beech displaying over all good condition. This tree has 40+ years remaining	No impact	No works required	A2	9.0m
6862	Turkey Oak	M	700	30	N=6 S=6 E=6 W=6	4m	Good	A large mature Turkey Oak displaying over all good condition. This tree has 40+ years remaining. This tree is a fantastic specimen	No impact	No works required	A2	8.0m
6863	<i>Aesculus Hippocastanum</i> Horse Chestnut	M	600	24	N=4 S=4 E=4 W=4	3m	Good	A large mature Horse Chestnut displaying over all good condition. This tree has 40+ years remaining.	No impact	No works required	A2	7.0m

Appendix 1

Bessborough House, Co. Cork

Tree #	Species Botanical Name	Age class	Size (mm)	Height (M)	Crown Sp. (M)	Crown Cl.(M)	Condition	Structural/Physiological Observations	Impact of the development	PMR	Category	R.P.A. Meters
6864	Holm Oak	M	750	28	N=8 S=8 E=8 W=8	4m	Good	A large mature Holm Oak displaying over all good condition. This tree has 40+ years remaining. This tree is a fantastic specimen	No impact	No works required	A2	8.5m
6865	Sycamore	M	450	26	N=6 S=6 E=6 W=6	4m	Good	A large mature multi-stemmed Sycamore displaying over all good condition. This tree has 40+ years remaining	No impact	No works required	B2	5.5m
6866	<i>Cedrus Atlantica</i> Blue Atlas Cedar	M	420	18	N=3 S=3 E=3 W=3	1m	Good	A mature Blue Atlas Cedar displaying over all good condition. This tree has 40+ years remaining	No impact	No works required	B2	5.2m
6867	Beech	M	900	30	N=8 S=8 E=8 W=8	3m	Good	A large mature Beech displaying over all good condition. This tree has 40+ years remaining. This tree is a fantastic specimen	No impact	No works required	A2	10.0m
6868	<i>Populus Tremuloides</i> Trembling Aspen	M	750	30	N=3 S=3 E=3 W=3	10m	Good	A large mature Trembling Aspen displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	8.5m

Appendix 1

Bessborough House, Co. Cork

Tree #	Species Botanical Name	Age class	Size (mm)	Height (M)	Crown Sp. (M)	Crown Cl.(M)	Condition	Structural/Physiological Observations	Impact of the development	PMR	Category	R.P.A. Meters
6869	<i>Populus Alba</i> White Poplar	M	750	30	N=4 S=4 E=4 W=4	3m	Good	A large mature White Poplar displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	8.5m
6870	White Poplar	M	750	30	N=4 S=4 E=4 W=4	3m	Good	A large mature White Poplar displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	8.5m
6871	Ash	M	650	28	N=4 S=4 E=4 W=4	3m	Good	A large mature co-dominant Ash displaying over all good condition. This tree has 40+ years remaining	No impact	No works required	A2	7.5m
6872	Sycamore	M	650	26	N=4 S=4 E=6 W=6	3m	Good	A large mature co-dominant Sycamore displaying over all good condition. This tree has 40+ years remaining	No impact	No works required	B2	7.5m
6873	<i>Ilex</i> Holly	M	300	10	N=3 S=3 E=3 W=3	1m	Good	A mature multi-stemmed Holly displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	4.0m

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Bessborough House, Co. Cork

Tree #	Species Botanical Name	Age class	Size (mm)	Height (M)	Crown Sp. (M)	Crown Cl.(M)	Condition	Structural/Physiological Observations	Impact of the development	PMR	Category	R.P.A. Meters
6874	<i>Robinia Pseudoacacia</i> Robinia	M	420	22	N=4 S=4 E=4 W=4	3m	Good	A large mature Robinia displaying over all good condition. This tree has 40+ years remaining	No impact	No works required	A2	5.2m
6875	Sycamore	M	420	24	N=4 S=4 E=4 W=4	3m	Good	A mature multi-stemmed Sycamore displaying over all good condition. This tree has 40+ years remaining	No impact	No works required	B2	5.2m
6876	Sycamore	M	420	26	N=4 S=4 E=4 W=4	5m	Good	A mature multi-stemmed Sycamore displaying over all good condition. This tree has 40+ years remaining	No impact	No works required	B2	5.2m
6877	Sycamore	M	500	24	N=4 S=4 E=4 W=4	4m	Good	A large mature Sycamore displaying over all good condition. This tree has 40+ years remaining	No impact	No works required	B2	6.0m
6878	Sycamore	M	500	24	N=4 S=4 E=4 W=4	4m	Good	A large mature Sycamore displaying over all good condition. This tree has 40+ years remaining	No impact	No works required	B2	6.0m

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Bessborough House, Co. Cork

Tree #	Species Botanical Name	Age class	Size (mm)	Height (M)	Crown Sp. (M)	Crown Cl.(M)	Condition	Structural/Physiological Observations	Impact of the development	PMR	Category	R.P.A. Meters
6879	Sycamore	M	500	24	N=4 S=4 E=4 W=4	4m	Good	A large mature Sycamore displaying over all good condition. This tree has 40+ years remaining	No impact	No works required	B2	6.0m
6880	Sycamore	M	700	22	N=4 S=4 E=4 W=4	3m	Good	A large mature Sycamore displaying over all good condition. This tree has 40+ years remaining	No impact	No works required	B2	8.0m
6881	Holly	M	300	10	N=3 S=3 E=3 W=3	1m	Good	A mature multi-stemmed Holly displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	4.0m
6882	Beech	M	800	26	N=4 S=4 E=4 W=4	5m	Good	A large mature Beech displaying over all good condition. This tree has 40+ years remaining	No impact	No works required	A2	9.0m
6883	Sycamore	M	900	26	N=6 S=6 E=6 W=6	1.5m	Good	A large mature Sycamore displaying over all good condition. This tree has 40+ years remaining	No impact	No works required	A2	10.0m

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Bessborough House, Co. Cork

Tree #	Species Botanical Name	Age class	Size (mm)	Height (M)	Crown Sp. (M)	Crown Cl.(M)	Condition	Structural/Physiological Observations	Impact of the development	PMR	Category	R.P.A. Meters
6884	Sycamore	M	420	24	N=4 S=4 E=4 W=4	3m	Good	A mature Sycamore displaying over all good condition. This tree has 40+ years remaining	No impact	No works required	B2	5.2m
6885	<i>Castanea Savita</i> Sweet Chestnut	M	700	22	N=4 S=4 E=4 W=4	1m	Good	A large mature Sweet Chestnut displaying over all good condition. This tree has 40+ years remaining	No impact	No works required	A2	8.0m
6886	Sycamore	M	820	24	N=4 S=4 E=4 W=4	3m	Good	A large mature Sycamore displaying over all good condition. This tree has 40+ years remaining. There was previous tree surgery work undertaken on the upper canopy of this tree, this is reason for B2 category.	No impact	No works required	B2	9.2m
6887	Sycamore	M	1000	24	N= S= E= W=	4m	Fair	A large mature Sycamore displaying over all fair condition. This tree has been heavily over pruned in the past which has negated its amenity and aesthetic value.	No impact	No works required	C2	11.0m
6888	Sycamore	M	800	24	N=3 S=3 E=3 W=3	4m	Good	A large mature Sycamore displaying over all good condition. This tree has 40+ years remaining	No impact	No works required	B2	9.0m

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Bessborough House, Co. Cork

Tree #	Species Botanical Name	Age class	Size (mm)	Height (M)	Crown Sp. (M)	Crown Cl.(M)	Condition	Structural/Physiological Observations	Impact of the development	PMR	Category	R.P.A. Meters
6889	Sycamore	M	800	24	N=3 S=3 E=3 W=3	4m	Good	A large mature Sycamore displaying over all good condition. This tree has 40+ years remaining	No impact	No works required	B2	9.0m
6890	Sycamore	M	1000	26	N=6 S=6 E=6 W=6	3m	Good	A large mature Sycamore displaying over all good condition. This tree has 40+ years remaining	No impact	No works required	B2	11.0m
6891	Holly	M	300	10	N=3 S=3 E=3 W=3	1m	Good	A mature multi-stemmed Holly displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	4.0m
6892	Sycamore	M	400	22	N=3 S=3 E=3 W=3	3m	Good	A mature Sycamore displaying over all good condition. This tree has 40+ years remaining	No impact	No works required	B2	5.0m
6893	Sycamore	M	580	26	N=4 S=4 E=4 W=4	3m	Good	A large mature Sycamore displaying over all good condition. This tree has 40+ years remaining	No impact	No works required	B2	6.8m

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Bessborough House, Co. Cork

Tree #	Species Botanical Name	Age class	Size (mm)	Height (M)	Crown Sp. (M)	Crown Cl.(M)	Condition	Structural/Physiological Observations	Impact of the development	PMR	Category	R.P.A. Meters
6894	Ash	M	680	28	N=6 S=6 E=6 W=6	4m	Poor	A large mature co-dominant Ash displaying over all poor condition. This tree is infested with Honey Fungus (Armillia Mellea), the roots and stability of this tree are compromised, so in the interest of Health & Safety this tree should be removed.	No impact	Remove	U	7.8m
6895	Sycamore	M	420	20	N=2 S=2 E=2 W=2	3m	Good	A mature Sycamore displaying over all good condition. This tree has 40+ years remaining	No impact	No works required	B2	5.2m
6896	Sycamore	M	600	26	N=4 S=4 E=4 W=4	2m	Good	A large mature multi-stemmed Sycamore displaying over all good condition. This tree has 40+ years remaining	No impact	No works required	B2	7.0m
6897	Sycamore	M	450	18	N=2 S=2 E=2 W=2	3m	Good	A large mature co-dominant Sycamore displaying over all good condition. This tree has 20+ years remaining	Remove to facilitate the development	Remove	B2	
6898	Sycamore	M	450	18	N=2 S=2 E=2 W=2	3m	Good	A large mature co-dominant Sycamore displaying over all good condition. This tree has 20+ years remaining	Remove to facilitate the development	Remove	B2	

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Bessborough House, Co. Cork

Tree #	Species Botanical Name	Age class	Size (mm)	Height (M)	Crown Sp. (M)	Crown Cl.(M)	Condition	Structural/Physiological Observations	Impact of the development	PMR	Category	R.P.A. Meters
6899 x 2	Sycamore	M	420	20	N=3 S=3 E=3 W=3	2m	Good	Represents 2 mature Sycamore displaying over all good condition. These trees have 40+ years remaining	No impact	No works required	B2	5.2m
6900	Turkey Oak	M	830	28	N=8 S=8 E=8 W=8	3m	Good	A mature Turkey Oak displaying over all good condition. This tree has 40+ years remaining	No impact	No works required	A2	9.3m
6901	Sycamore	M	400	16	N=2 S=2 E=2 W=2	2m	Good	A mature Sycamore displaying over all good condition. This tree has 40+ years remaining	No impact	No works required	B2	5.0m
6902	<i>Betula Pendula</i> Silver Birch	M	380	20	N=2 S=2 E=2 W=2	3m	Good	A mature Silver Birch displaying over all good condition. This tree has 20+ years remaining. Just to note there is a clump of Japanese Knotweed adjacent to this tree.	Remove to facilitate the development	Remove	B2	4.8m
6903	<i>Chamaecyparis Lawsoniana</i> Lawson Cypress	M	420	16	N=2 S=2 E=2 W=2	0.5m	Fair	A mature Lawson Cypress displaying over all fair condition. This tree has 20+ years remaining. A tree of low ecological value, recommend for removal and to replace with an appropriate species	No impact	Remove	C2	5.2m

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Bessborough House, Co. Cork

Tree #	Species Botanical Name	Age class	Size (mm)	Height (M)	Crown Sp. (M)	Crown Cl.(M)	Condition	Structural/Physiological Observations	Impact of the development	PMR	Category	R.P.A. Meters
6904	Holly	M	550	10	N=4 S=4 E=4 W=4	1m	Good	A large mature Holly displaying over all good condition. This tree has 40+ years remaining	Remove to facilitate the development	Remove	A2	
6905	Ash	M	950	26	N=4 S=4 E=4 W=4	5m	Poor	A large mature Ash displaying over all poor condition. This tree is in decline, it has a significant Basal Cavity on the northern side and also has a large significant limb that has snapped off on the western side. This tree is in advanced decline and is unsafe so in the interest of Health & Safety this tree should be removed	No impact	Remove	U	
6906	Exotic conifer		420	20	N=3 S=3 E=3 W=3	2m	Good	A large mature exotic conifer . This tree has 40+ years remaining.	No impact	Retain	A2	
6907	Sycamore	M	500	18	N=2 S=4 E=3 W=3	2m	Good	A mature Sycamore displaying over all good condition. This tree has 40+ years remaining	Remove to facilitate the development	Remove	B2	
6908	Sycamore	M	500	18	N=2 S=4 E=3 W=3	2m	Good	A mature Sycamore displaying over all good condition. This tree has 40+ years remaining	Remove to facilitate the development	Remove	B2	

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Bessborough House, Co. Cork

Tree #	Species Botanical Name	Age class	Size (mm)	Height (M)	Crown Sp. (M)	Crown Cl.(M)	Condition	Structural/Physiological Observations	Impact of the development	PMR	Category	R.P.A. Meters
6909	<i>Cupressus Macrocarpa</i> Monterey Cypress	EM	220	12	N=1 S=1 E=1 W=1	2m	Fair	An early mature Monterey Cypress displaying over all fair condition. This tree has a significant level of dead limbs in the lower third of the canopy. This tree has 10+ years remaining	No impact	Remove and replace	C2	3.2m
6910	Ash	M	450	20	N=4 S=2 E=2 W=2	5m	Good	A mature Ash displaying over all good condition. This tree has 20+ remaining years.	No impact	No works required	B2	5.5m
6911	Sycamore	M	400	18	N=2 S=2 E=2 W=2	2m	Good	A mature Sycamore displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	5.0m
6912	Sycamore	M	400	18	N=2 S=2 E=2 W=2	2m	Good	A mature Sycamore displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	5.0m
6913	Ash	M	600	24	N=4 S=4 E=4 W=4	6m	Good	A large mature Ash displaying over all good condition. This tree has 40+ years remaining	No impact	No works required	A2	7.0m

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Bessborough House, Co. Cork

Tree #	Species Botanical Name	Age class	Size (mm)	Height (M)	Crown Sp. (M)	Crown Cl.(M)	Condition	Structural/Physiological Observations	Impact of the development	PMR	Category	R.P.A. Meters
6914	Sycamore	M	400	20	N=4 S=4 E=5 W=5	4m	Good	A mature co-dominant Sycamore displaying over all good condition. This tree has 20+ years remaining	Remove to facilitate the development	Remove	B2	5.0m
6915	Lawson Cypress	M	320	14	N=1.5 S=1.5 E=1.5 W=1.5	2m	Fair	A mature Lawson Cypress displaying over all fair condition. This tree has 20+ years remaining. A tree of low ecological value	No impact	Remove and replace with an appropriate species	C2	4.2m
6916	Sycamore	M	320	16	N=2 S=2 E=2 W=2	2m	Good	A mature Sycamore displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	4.2m
6917	Sycamore	M	400	18	N=3 S=3 E=3 W=3	2m	Good	A mature Sycamore displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	5.0m
6918	Sycamore	M	320	16	N=3 S=3 E=3 W=3	2m	Good	A mature Sycamore displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	4.2m

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Bessborough House, Co. Cork

Tree #	Species Botanical Name	Age class	Size (mm)	Height (M)	Crown Sp. (M)	Crown Cl.(M)	Condition	Structural/Physiological Observations	Impact of the development	PMR	Category	R.P.A. Meters
6919	Ash	M	520	26	N=6 S=6 E=6 W=6	4m		A large mature Ash displaying over all good condition. This tree has 40+ years remaining	No impact	No works required	A2	6.2m
6920	Ash	M		24	N=4 S=4 E=4 W=4	3m	Good	A mature multi-stemmed Ash displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	
6921	Sycamore	M	450	16	N=6 S=3 E=3 W=3	3m	Good	A mature Sycamore displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	5.5m
6922	Sycamore	M	400	18	N=4 S=4 E=4 W=4	2m	Good	A mature Sycamore displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	5.0m
6923	<i>Eucalyptus Globulus</i> Eucalyptus	M	600	20	N=3 S=3 E=3 W=3	2m	Good	A large mature Eucalyptus displaying over all good condition. This tree is leaning severely to the north. This tree has 20+ years remaining	Remove to facilitate the development	Remove	B2	7.0m

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Bessborough House, Co. Cork

Tree #	Species Botanical Name	Age class	Size (mm)	Height (M)	Crown Sp. (M)	Crown Cl.(M)	Condition	Structural/Physiological Observations	Impact of the development	PMR	Category	R.P.A. Meters
6924	Eucalyptus	M	610	28	N=4 S=4 E=4 W=4	6m	Good	A large mature Eucalyptus displaying over all good condition. This tree has 40+ remaining years	Remove to facilitate the development	Remove	A2	7.1m
6925	<i>Ulmus Glabra</i> Witch Elm	M	620	20	N=4 S=4 E=4 W=4	2m	Good	A large mature Witch Elm displaying over all good condition. This tree has 20+ years remaining	Remove to facilitate the development	Remove	B2	7.2m
6926	Sycamore	EM	280	12	N=2 S=2 E=2 W=2	3m	Good	An early mature Sycamore displaying over all good condition. This tree has 20+ years remaining	Remove to facilitate the development	Remove	B2	3.8m
6927	Sycamore	M	600	24	N=4 S=4 E=4 W=4	3m	Good	A large mature Sycamore displaying over all good condition. This tree has an insignificant stem wound located on the western side but it doesn't impact on the overall health of the tree. This tree has 20+ years remaining	No impact	No works required	B2	7.0m
6928	Beech	M	1100	28	N=8 S=8 E=8 W=8	3m	Good	A large mature Beech displaying over all good condition. This tree has 40+ years remaining	No impact	No works required	A2	12.0m

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Bessborough House, Co. Cork

Tree #	Species Botanical Name	Age class	Size (mm)	Height (M)	Crown Sp. (M)	Crown Cl.(M)	Condition	Structural/Physiological Observations	Impact of the development	PMR	Category	R.P.A. Meters
6929	Sycamore	M	480	12	N=3 S=3 E=3 W=3		Good	A large mature Sycamore displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	5.8m
6930	Beech	M	1200	28	N=8 S=8 E=8 W=8	3m	Good	A large mature Beech displaying over all good condition. This tree has 40+ years remaining	Remove to facilitate the development	Remove	A2	12.0m
6931	<i>Pinus Sylvestrus</i> Scots Pine	M	500	26	N=4 S=4 E=8 W=3	4m	Good	A large mature Scots Pine displaying over all good condition. This tree has 40+ years remaining	Remove to facilitate the development	Remove	A2	6.0m
6932	Ash	M	800		N= S= E= W=	3m	Fair	A large mature multi-stemmed Ash displaying over all fair condition. This tree is in decline in the upper canopy. This tree has 10+ years remaining	No impact	Remove and replace with a beech	C2	
6933	Ash	M	480	20	N= S= E= W=	4m	Fair	A mature co-dominant Ash displaying over all fair condition. This tree is in advanced decline. This tree has 10+ years remaining	No impact	Remove and replace with a beech	C2	

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Bessborough House, Co. Cork

Tree #	Species Botanical Name	Age class	Size (mm)	Height (M)	Crown Sp. (M)	Crown Cl.(M)	Condition	Structural/Physiological Observations	Impact of the development	PMR	Category	R.P.A. Meters
6934	Turkey Oak	M	700	26	N=4 S=4 E=4 W=4	3m	Good	A large mature Turkey Oak displaying over all good condition. This tree has 40+ years remaining	Remove to facilitate the development	Remove	A2	8.0m
6935	<i>Taxus Baccata</i> Yew	M	580	14	N=3 S=3 E=3 W=3	2m	Good	A large mature Yew displaying over all good condition. This tree has suffered some minor stem damage in the upper canopy. This tree has 40+ years remaining	Remove to facilitate the development	Remove	B2	
6936	Ash	EM	200	14	N=2 S=2 E=2 W=2	2m	Fair	An early mature multi-stemmed Ash displaying over all fair condition. This tree is showing signs of decline. This tree has 10+ years remaining	No impact	Remove and replace with a beech	C2	
6937	<i>Larix</i> Larch	EM	240	14	N=2 S=2 E=2 W=2	2m	Fair	An early mature Larch displaying over all fair condition. This tree has 10+ years remaining	No impact	Remove and replace with a beech	C2	
6938	Blue Atlas Cedar	M	460	20	N=3 S=3 E=3 W=3	2m	Good	A large mature Blue Atlas Cedar displaying over all good condition. This tree has 40+ years remaining	Remove to facilitate the development	Remove	A2	5.6m

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Bessborough House, Co. Cork

Tree #	Species Botanical Name	Age class	Size (mm)	Height (M)	Crown Sp. (M)	Crown Cl.(M)	Condition	Structural/Physiological Observations	Impact of the development	PMR	Category	R.P.A. Meters
6939	Bay	EM		4	N=2 S=2 E=2 W=2	1m	Fair	An early mature Bay displaying over all fair condition. This tree has been suppressed by the larger surrounding trees. This tree has 10+ years remaining	No impact	Remove and replace with a beech	C2	
6940	Sycamore	M	400	16	N=3 S=3 E=3 W=3	2m	Good	A mature Sycamore displaying over all good condition. This tree has 20+ years remaining	Remove to facilitate the development	Remove	B2	5.0m
6941	Eucalyptus	M	950	28	N=4 S=4 E=4 W=4	2m	Good	A large mature Eucalyptus displaying over all good condition. This tree has 10+ years remaining	Remove to facilitate the development	Remove	B2	
6942	Beech	M	500	18	N=3 S=3 E=3 W=3	1.5m	Good	A mature Beech displaying over all good condition. This tree has 40+ years remaining	Remove to facilitate the development	Remove	B2	
6943	Ash	M	300	14	N=2 S=2 E=2 W=2	2m	Poor	A mature Ash displaying over all poor condition. This tree is in advanced decline.	Remove to facilitate the development	Remove	U	

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Bessborough House, Co. Cork

Tree #	Species Botanical Name	Age class	Size (mm)	Height (M)	Crown Sp. (M)	Crown Cl.(M)	Condition	Structural/Physiological Observations	Impact of the development	PMR	Category	R.P.A. Meters
6944	Eucalyptus	M	400	24	N=3 S=3 E=3 W=3	3m	Good	A mature Eucalyptus displaying over all good condition. This tree has 20+ years remaining	Remove to facilitate the development	Remove	B2	5.0m
6945	Eucalyptus	M	850	28	N=6 S=6 E=6 W=6	2m	Good	A large mature Eucalyptus displaying over all good condition. This tree has 40+ years remaining	Remove to facilitate the development	Remove	A2	9.5m
6946	Ash	M		14	N=2 S=2 E=2 W=2	1m	Poor	A mature multi-stemmed Ash displaying over all poor condition. This tree is in advanced decline and has severe cankering throughout. This tree has 10-years remaining	Remove to facilitate the development	Remove	U	
6947	Monterey Cypress	M	400	16	N=3 S=3 E=3 W=3	2m	Good	A mature Monterey Cypress displaying over all good condition. This tree has 20+ years remaining	Remove to facilitate the development	Remove	B2	5.0m
6948 x 2	Bay	M	300	14	N=2 S=2 E=2 W=2	2m	Good	Represents 2 mature Bay displaying over all good condition. These trees have 20+ year remaining	Remove to facilitate the development	Remove	B2	4.0m

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Bessborough House, Co. Cork

Tree #	Species Botanical Name	Age class	Size (mm)	Height (M)	Crown Sp. (M)	Crown Cl.(M)	Condition	Structural/Physiological Observations	Impact of the development	PMR	Category	R.P.A. Meters
6949	Monterey Cypress	M	400	16	N=3 S=3 E=3 W=3	2m	Good	A mature Monterey Cypress displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	5.0m
6950	<i>Ulmus</i> Elm	M	800	20	N=3 S=3 E=3 W=3		Poor	A large mature Elm displaying over all poor condition. This tree is dead and it is within falling distance of the parking area so in the interest of Health & Safety this tree should be removed.	Remove to facilitate the development	Remove	U	
6951	Eucalyptus	M	900	28	N=6 S=6 E=6 W=6	2m	Good	A large mature Eucalyptus displaying over all good condition. This tree has 40+ years remaining	Remove to facilitate the development	Remove	A2	10.0m
6952	Lawson Cypress	M	480	12	N=2 S=2 E=2 W=2	3m	Fair	A large mature co-dominant Lawson Cypress displaying over all fair condition. This tree has significant Dyebark within it. This tree has 10- years remaining	Remove	No works required	C2	5.8m
6953	Bay	M		12	N=3 S=3 E=3 W=3	3m	Good	A mature multi-stemmed Bay displaying over all good condition. This tree has 20+ remaining	No impact	No works required	B2	

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Bessborough House, Co. Cork

Tree #	Species Botanical Name	Age class	Size (mm)	Height (M)	Crown Sp. (M)	Crown Cl.(M)	Condition	Structural/Physiological Observations	Impact of the development	PMR	Category	R.P.A. Meters
6954	Sycamore	M	380	16	N=3 S=3 E=3 W=3	3m	Good	A mature Sycamore displaying over all good condition. This tree has 20+ years remaining. Just to note that there is Japanese Knotweed located within this area.	No impact	No works required	B2	4.8m
6955	Bay	M	250	12	N=3 S=3 E=3 W=3	3m	Good	A mature multi-stemmed Bay displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	3.5m
6956	<i>Prunus Avium</i> Cherry	M	320	16	N=4 S=4 E=6 W=6	3m	Good	A mature co-dominant Cherry displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	4.2m
6957	Beech	M	480	18	N=4 S=4 E=4 W=4	2m	Good	A large mature co-dominant Beech displaying over all good condition. This tree has 40+ years remaining	No impact	No works required	B2	5.8m
6958	Beech	M	480	18	N=4 S=4 E=4 W=4	2m	Good	A large mature co-dominant Beech displaying over all good condition. This tree has 40+ years remaining	Remove to facilitate the development	Remove	B2	5.8m

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Bessborough House, Co. Cork

Tree #	Species Botanical Name	Age class	Size (mm)	Height (M)	Crown Sp. (M)	Crown Cl.(M)	Condition	Structural/Physiological Observations	Impact of the development	PMR	Category	R.P.A. Meters
6959	Monterey Cypress	M	320	14	N=3 S=3 E=3 W=3	2m	Good	A mature multi-stemmed Monterey Cypress displaying over all good condition. This tree has 20+ years remaining	Remove to facilitate the development	Remove	B2	4.2m
6960	Ash	M		16	N=3 S=3 E=3 W=3	2m	Poor	A mature co-dominant Ash displaying over all poor condition. This tree has severe Cankering and is in advanced decline.	Remove to facilitate the development	Remove	U	
6961	<i>Sorbus Aria</i> Whitebeam	M	380	14	N=3 S=3 E=3 W=3	2m	Good	A mature Whitebeam displaying over all good condition. This tree has 20+ years remaining	Remove to facilitate the development	Remove	B2	4.8m
6962	Eucalyptus	M	420	16	N=3 S=3 E=3 W=3	3m	Good	A mature Eucalyptus displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	5.2m
6963	Beech	M	400	14	N=4 S=3 E=3 W=4	3m	Fair	A mature Beech displaying over all fair condition. This tree has some lower stem damage. This tree has 20+ years remaining	No impact	No works required	C2	5.0m

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Bessborough House, Co. Cork

Tree #	Species Botanical Name	Age class	Size (mm)	Height (M)	Crown Sp. (M)	Crown Cl.(M)	Condition	Structural/Physiological Observations	Impact of the development	PMR	Category	R.P.A. Meters
6964	Eucalyptus	M	750	22	N=8 S=3 E=3 W=3	2m	Good	A large mature Eucalyptus displaying over all good condition. This tree has 20+ years remaining	Remove to facilitate the development	Remove	B2	8.5m
6965	Eucalyptus	M	300	20	N=3 S=3 E=3 W=3	4m	Good	A mature Eucalyptus displaying over all good condition. The lower third of this tree is infested with Ivy. This tree has 20+ years remaining	Remove to facilitate the development	Remove	B2	4.0m
6966	Ash	EM	240	10	N=3 S=3 E=3 W=3	2m	Fair	An early mature Ash displaying over all fair condition. This tree has 10+ years remaining	Remove based on its condition	Remove and replace with 2 oaks	C2	
6967	Eucalyptus	M	900	28	N=6 S=6 E=6 W=6	3m	Good	A large mature Eucalyptus displaying over all good condition. This tree has 40+ years remaining	Remove to facilitate the development	Remove	A2	
6968	Bay	M	380	12	N=3 S=3 E=2 W=2	2m	Good	A mature multi-stemmed Bay displaying over all good condition. This tree has 20+ years remaining	Remove to facilitate the development	Remove	B2	4.8m

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Bessborough House, Co. Cork

Tree #	Species Botanical Name	Age class	Size (mm)	Height (M)	Crown Sp. (M)	Crown Cl.(M)	Condition	Structural/Physiological Observations	Impact of the development	PMR	Category	R.P.A. Meters
6969	<i>Acer Purpurem</i> Purple Sycamore	EM	280	16	N=3 S=3 E=3 W=3	3m	Good	An early mature Purple Sycamore displaying over all good condition. This tree has 20+ years remaining	Remove to facilitate the development	Remove	B2	3.8m
6970	Sycamore	EM	280	16	N=3 S=3 E=3 W=3	3m	Good	An early mature Sycamore displaying over all good condition. This tree has 20+ years remaining	Remove to facilitate the development	Remove	B2	3.8m
6971	Bay	M	150	8	N=3 S=3 E=3 W=3	0.5m	Good	A mature multi-stemmed Bay displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	C2	2.5m
6972	Cherry	EM	220	12	N=2 S=2 E=2 W=2	3m	Good	An early mature co-dominant Cherry displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	3.2m
6973	Ash	M	750	28	N=6 S=6 E=6 W=6	4m	Good	A large mature multi-stemmed Ash displaying over all good condition. This tree has 40+ years remaining	No impact	No works required	A2	8.5m

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Bessborough House, Co. Cork

Tree #	Species Botanical Name	Age class	Size (mm)	Height (M)	Crown Sp. (M)	Crown Cl.(M)	Condition	Structural/Physiological Observations	Impact of the development	PMR	Category	R.P.A. Meters
6974	Sycamore	M	340	18	N=4 S=4 E=4 W=4	2m	Good	A mature Sycamore displaying over all good condition. This tree has 40+ years remaining	Remove to facilitate the development	Remove	B2	4.4m
6975	<i>Cedrus Deodara</i> Deodar Cedar	M	500	18	N=3 S=3 E=3 W=3	2m	Good	A mature Deodar Cedar displaying over all good condition. This tree has 40+ years remaining	Remove to facilitate the development	Remove	A2	
6976	Beech	M	580	18	N=6 S=6 E=6 W=6	1m	Good	A large mature multi-stemmed Beech displaying over all good condition. This tree has 40+ years remaining	No impact	No works required	A2	6.8m
6977	Silver Birch	M	300	18	N=3 S=3 E=3 W=3	3m	Good	A mature Silver Birch displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	4.0m
6978	Sycamore	M	800	22	N=8 S=8 E=8 W=8	2m	Good	A large mature Sycamore displaying over all good condition. This tree has 40+ years remaining	No impact	No works required	B2	9.0m

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Bessborough House, Co. Cork

Tree #	Species Botanical Name	Age class	Size (mm)	Height (M)	Crown Sp. (M)	Crown Cl.(M)	Condition	Structural/Physiological Observations	Impact of the development	PMR	Category	R.P.A. Meters
6979	Turkey Oak	M	750	30	N=8 S=8 E=8 W=8	5m	Good	A large mature Turkey Oak displaying over all good condition. This tree has 40+ years remaining. This tree is a fantastic specimen	Remove to facilitate the development	Remove	A2	
6980	Ash	M	800	26	N=6 S=6 E=6 W=6	3m	Fair	A large mature co-dominant Ash displaying over all fair condition. This tree has significant Including Bark at the main union which is going to increase the trees risk of splitting. This tree also appears to be in decline. This tree has 10-years remaining	Unknown	Consider for removal	C2	9.0m
6981	Turkey Oak	M	740	20	N=6 S=6 E=6 W=6	3m	Good	A mature Turkey Oak displaying over all good condition. This tree is a fantastic specimen. This tree has 40+ years remaining	No impact	No works required	A2	8.4m
6982	Lime	M	600	22	N=6 S=6 E=6 W=6	3m	Good	A mature Lime displaying over all good condition. This tree has 40+ years remaining	No impact	No works required	A2	7.0m
6983	<i>Sorbus</i> Mountain Ash	EM	200	4	N=2 S=2 E=2 W=2	3m	Fair	An early mature Mountain Ash displaying over all fair condition. This tree has been suppressed by the larger surrounding trees. This tree has 10+ years remaining	No impact	No works required	C2	3.0m

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Bessborough House, Co. Cork

Tree #	Species Botanical Name	Age class	Size (mm)	Height (M)	Crown Sp. (M)	Crown Cl.(M)	Condition	Structural/Physiological Observations	Impact of the development	PMR	Category	R.P.A. Meters
6984 x 6	Lawson Cypress	M	340	14	N=4 S=4 E=4 W=4	2m	Fair	A mature Lawson Cypress displaying over all fair condition. This tree has 20+ years remaining. A tree of low ecological value	No impact	Remove and replace with site appropriate trees	C2	4.4m
6985	Ash	M	500	24	N=6 S=6 E=6 W=6	3m	Good	A large mature Ash displaying over all good condition. This tree has 40+ years remaining	Remove to facilitate the development	Remove	B2	
6986	Silver Birch	M	300	18	N=2 S=2 E=2 W=2	2m	Good	A mature Silver Birch displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	4.0m
6987	Silver Birch	M	240	18	N=2 S=2 E=2 W=2	2m	Good	A mature Silver Birch displaying over all good condition. This tree has 20+ years remaining	Remove to facilitate the development	Remove	B2	3.4m
6988	Sycamore	M	800	24	N=6 S=6 E=6 W=6	3m	Good	A large mature Sycamore displaying over all good condition. This tree has 40+ years remaining	Remove to facilitate the development	Remove	B2	

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Bessborough House, Co. Cork

Tree #	Species Botanical Name	Age class	Size (mm)	Height (M)	Crown Sp. (M)	Crown Cl.(M)	Condition	Structural/Physiological Observations	Impact of the development	PMR	Category	R.P.A. Meters
6989	Cherry	M	500	16	N=4 S=4 E=4 W=4	2m	Good	A mature Cherry displaying over all good condition. This tree has 20+ years remaining	Remove to facilitate the development	Remove	B2	
6990	<i>Quercus Robur</i> Common Oak	M	900	24	N=6 S=6 E=6 W=6	3m	Good	A large mature Common Oak displaying over all good condition. This tree has 40+ years remaining. This tree is a fantastic specimen	Remove to facilitate the development	Remove	A2	
6991	Sycamore	M	750	24	N=8 S=8 E=6 W=6	2m	Good	A large mature co-dominant Sycamore displaying over all good condition. This tree on the southern stem has a significant infestation of Honey Fungus and the southern stem is in complete Die-back. This tree has 10+ years remaining	No impact	Remove based on its condition	C2	
6992	Common Oak	M	700	24	N=4 S=4 E=4 W=4	2m	Good	A large mature Common Oak displaying over all good condition. This tree has 40+ years remaining	No impact	No works required	A2	8.0m
6993	Cherry	M		10	N=4 S=4 E=4 W=4	0.5m	Fair	A mature Cherry displaying over all fair condition. This tree has been suppressed by the larger surrounding trees. This tree has 10+ years remaining	No impact	Remove based on its condition	C2	

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Bessborough House, Co. Cork

Tree #	Species Botanical Name	Age class	Size (mm)	Height (M)	Crown Sp. (M)	Crown Cl.(M)	Condition	Structural/Physiological Observations	Impact of the development	PMR	Category	R.P.A. Meters
6994	<i>Abies Alba</i> Silver Fir	M	800	28	N= S= E= W=	4m	Good	A large mature Silver Fir displaying over all good condition. This tree has 40+ years remaining	No impact	No works required	A2	9.0m
6995 x 3	Bay	M	200	10	N=2 S=2 E=2 W=2	3m	Good	Represents 3 mature multi-stemmed Bay displaying over all good condition. These trees have 10+ years remaining	No impact	No works required	C2	3.0m
6996	Sycamore	M	380	18	N=2 S=2 E=2 W=2	2m	Fair	A mature Sycamore displaying over all fair condition. This tree is heavily suppressed with lvy. This tree has 10+ years remaining	No impact	No works required	C2	4.8m
6997	Cherry	M	450	20	N=3 S=3 E=3 W=3	1m	Good	A large mature Cherry displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	5.5m
6998	Cherry	M		16	N=2 S=1 E=2 W=1	2m	Fair	A mature Cherry displaying over all fair condition. This tree has been suppressed by the larger surrounding trees. This tree has 10+ years remaining	No impact	No works required	C2	

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Bessborough House, Co. Cork

Tree #	Species Botanical Name	Age class	Size (mm)	Height (M)	Crown Sp. (M)	Crown Cl.(M)	Condition	Structural/Physiological Observations	Impact of the development	PMR	Category	R.P.A. Meters
6999	Silver Birch	M	320	18	N=2 S=2 E=2 W=2	2m	Good	A mature Silver Birch displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	4.2m
7000	Silver Birch	M	380	22	N=2 S=2 E=2 W=2	2m	Good	A mature Silver Birch displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	4.8m
7001	<i>Populus Nigra</i> Lombardy Poplar	M	600	28	N=2 S=2 E=2 W=2	3m	Good	A large mature Lombardy Poplar displaying over all good condition. This tree is within falling distance of the existing car park and driveway entrance. This tree is of low ecological value. This tree is not suited for its location. This tree has 10-years remaining	No impact	Consider for removal	C2	7.0m
7002	Lombardy Poplar	M	600	28	N=2 S=2 E=2 W=2	3m	Good	A large mature Lombardy Poplar displaying over all good condition. This tree is within falling distance of the existing car park and driveway entrance. This tree is of low ecological value. This tree is not suited for its location. This tree has 10-years remaining	No impact	Consider for removal	C2	7.0m
7003	Lombardy Poplar	M	600	28	N=2 S=2 E=2 W=2	3m	Good	A large mature Lombardy Poplar displaying over all good condition. This tree is within falling distance of the existing car park and driveway entrance. This tree is of low ecological value. This tree is not suited for its location. This tree has 10-years remaining	No impact	Consider for removal	C2	7.0m

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Bessborough House, Co. Cork

Tree #	Species Botanical Name	Age class	Size (mm)	Height (M)	Crown Sp. (M)	Crown Cl.(M)	Condition	Structural/Physiological Observations	Impact of the development	PMR	Category	R.P.A. Meters
7004	Lombardy Poplar	M	600	28	N=2 S=2 E=2 W=2	3m	Good	A large mature Lombardy Poplar displaying over all good condition. This tree is within falling distance of the existing car park and driveway entrance. This tree is not suited for its location. This tree is of low ecological value. This tree has 10- years remaining	No impact	Consider for removal	C2	7.0m
7005	Lombardy Poplar	M	600	28	N=2 S=2 E=2 W=2	3m	Good	A large mature Lombardy Poplar displaying over all good condition. This tree is within falling distance of the existing car park and driveway entrance. This tree is not suited for its location. This tree is of low ecological value. This tree has 10- years remaining	No impact	Consider for removal	C2	7.0m
7006	Lime	M	400	18	N=3 S=3 E=3 W=3	3m	Good	A mature Lime displaying over all good condition. This tree has a limb to the east that has broken off and is overhanging on the green area and needs to be removed. This tree has 20+ years remaining.	No impact	Remove broken limb	B2	5.0m
7007	Silver Birch	M	300	20	N=2 S=2 E=2 W=2	3m	Good	A mature Silver Birch displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	4.0m
7008	Lime	M	400	18	N=3 S=3 E=3 W=3	2m	Good	A mature Lime displaying over all good condition. This tree has 20+ years remaining	Remove to facilitate the development	Remove	B2	5.0m

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Bessborough House, Co. Cork

Tree #	Species Botanical Name	Age class	Size (mm)	Height (M)	Crown Sp. (M)	Crown Cl.(M)	Condition	Structural/Physiological Observations	Impact of the development	PMR	Category	R.P.A. Meters
7009	Lime	M	400	18	N=3 S=3 E=3 W=3	2m	Good	A mature Lime displaying over all good condition. This tree has 20+ years remaining	Remove to facilitate the development	Remove	B2	
7010	<i>Betula</i> Birch	M	250	20	N=2 S=2 E=2 W=2	3m	Good	A mature Birch displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	3.5m
7011	Lime	M	450	16	N=3 S=3 E=3 W=3	2m	Good	A mature Lime displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	5.5m
7012	Lime	M	550	20	N=3 S=3 E=3 W=3	3m	Good	A mature Lime displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	
7013	Silver Birch	M	300	20	N=2 S=2 E=2 W=2	2m	Good	A mature Silver Birch displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	

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Bessborough House, Co. Cork

Tree #	Species Botanical Name	Age class	Size (mm)	Height (M)	Crown Sp. (M)	Crown Cl.(M)	Condition	Structural/Physiological Observations	Impact of the development	PMR	Category	R.P.A. Meters
7014	Lime	M	550	20	N=3 S=3 E=3 W=3	3m	Good	A mature Lime displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	
7015	Lawson Cypress	M	300	16	N=2 S=2 E=2 W=2	0.5m	Fair	A mature Lawson Cypress displaying over all fair condition. This tree has 20+ years remaining. A tree of low ecological value	No impact	Remove and replace with appropriate species	C2	4m
7016	Lime	M		18	N=3 S=3 E=3 W=3	1m	Good	A mature Lime displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	
7017	Lime	M	500	18	N=3 S=3 E=3 W=3	2m	Good	A large mature Lime displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	6.0m
7018	Lime	M	400	16	N=3 S=3 E=3 W=3	3m	Good	A large mature Lime displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	5.0m

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Bessborough House, Co. Cork

Tree #	Species Botanical Name	Age class	Size (mm)	Height (M)	Crown Sp. (M)	Crown Cl.(M)	Condition	Structural/Physiological Observations	Impact of the development	PMR	Category	R.P.A. Meters
7019	Bay	M	200	14	N=1 S=1 E=1 W=1	0.5m	Good	A mature multi-stemmed Bay displaying over all good condition. This tree has 10+ years remaining	No impact	No works required	C2	3.0m
7020	Lime	M	420	18	N=3 S=3 E=3 W=3	2m	Good	A large mature Lime displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	5.2m
7021	Bay	M	200	14	N=1 S=1 E=1 W=1	0.5m	Good	A mature multi-stemmed Bay displaying over all good condition. This tree has 10+ years remaining	No impact	No works required	C2	3.0m
7022	Lime	M	400	18	N=3 S=3 E=3 W=3	2m	Good	A mature Lime displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	5.0m
7023	Birch	M	400	24	N=4 S=4 E=4 W=4	1m	Good	A large mature Birch displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	A2	5.0m

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Bessborough House, Co. Cork

Tree #	Species Botanical Name	Age class	Size (mm)	Height (M)	Crown Sp. (M)	Crown Cl.(M)	Condition	Structural/Physiological Observations	Impact of the development	PMR	Category	R.P.A. Meters
7024	Silver Birch	M	360	24	N=3 S=3 E=2 W=2	2m	Good	A mature Silver Birch displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	4.6m
7025	Lime	M	320	12	N=2 S=2 E=2 W=2	3m	Fair	A mature Lime displaying over all fair condition. This tree has 10+ years remaining	No impact	No works required	C2	4.2m
7026	Holly	M	280	10	N=1 S=1 E=1 W=1	1m	Good	A mature variegated Holly displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	3.8m
7027	Lime	M	450	18	N=3 S=3 E=3 W=3	2m	Good	A mature Lime displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	5.5m
7028	Silver Birch	M	360	24	N=3 S=3 E=3 W=3	3m	Good	A mature Silver Birch displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	4.6m

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Bessborough House, Co. Cork

Tree #	Species Botanical Name	Age class	Size (mm)	Height (M)	Crown Sp. (M)	Crown Cl.(M)	Condition	Structural/Physiological Observations	Impact of the development	PMR	Category	R.P.A. Meters
7029	Lime	M	400	18	N=3 S=3 E=3 W=3	3m	Good	A mature Lime displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	5.0m
7030	Lime	M	400	18	N=3 S=3 E=3 W=3	3m	Good	A mature Lime displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	5.0m
7031	Silver Birch	M	520	26	N=4 S=4 E=4 W=4	3m	Good	A large mature Silver Birch displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	A2	6.2m
7032	Birch	EM	180	12	N=2 S=2 E=2 W=2	2m	Good	An early mature Birch displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	2.8m
7033	Birch	M	380	24	N=3 S=3 E=3 W=3	3m	Good	A mature Birch displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	4.8m

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Tree #	Species Botanical Name	Age class	Size (mm)	Height (M)	Crown Sp. (M)	Crown Cl.(M)	Condition	Structural/Physiological Observations	Impact of the development	PMR	Category	R.P.A. Meters
7034	Lime	M	400	18	N=3 S=3 E=3 W=3	2m	Good	A mature Lime displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	5.0m
7035 x 2	Lime	M	400	16	N=3 S=3 E=3 W=3	3m	Good	Represents 2 mature Lime displaying over all good condition. These trees have 20+ years remaining	No impact	No works required	B2	5.0m
7036	Birch	M	240	20	N=2 S=2 E=2 W=2	2m	Good	A mature Birch displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	3.4m
7037 x 2	Sycamore	M	300	14	N=3 S=3 E=3 W=3	3m	Good	Represents 2 mature Sycamore displaying over all good condition. These trees have 20+ years remaining. Note – Immediately to the rear of these trees there is a mature Lime with same dimensions as previous Lime (7035) but due to the density of the briars it was not possible to tag this tree.	No impact	No works required	B2	4.0m
7038	Silver Birch	M	360	20	N=3 S=3 E=3 W=3	2m	Good	A mature Silver Birch displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	4.6m

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Tree #	Species Botanical Name	Age class	Size (mm)	Height (M)	Crown Sp. (M)	Crown Cl.(M)	Condition	Structural/Physiological Observations	Impact of the development	PMR	Category	R.P.A. Meters
7039	Birch	M	410	24	N=3 S=3 E=3 W=3	3m	Good	A mature Birch displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	5.1m
7040	Birch	M	380	22	N=3 S=3 E=3 W=3	3m	Good	A mature Birch displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	4.8m
7041	Birch	M	380	22	N=3 S=3 E=3 W=3	3m	Good	A mature Birch displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	4.8m
7042	Birch	M	240	20	N=2 S=2 E=2 W=2	2m	Good	A mature Birch displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	3.4m
7043	Lime	M	520	20	N=4 S=4 E=4 W=4	3m	Good	A mature Lime displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	6.2m

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Tree #	Species Botanical Name	Age class	Size (mm)	Height (M)	Crown Sp. (M)	Crown Cl.(M)	Condition	Structural/Physiological Observations	Impact of the development	PMR	Category	R.P.A. Meters
7044	Lime	M	600	22	N=4 S=4 E=4 W=4	3m	Good	A large mature Lime displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	7.0m
7045	Silver Birch	M	300	24	N=2 S=2 E=2 W=2	2m	Good	A mature Silver Birch displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	4.0m
7046	Silver Birch	M	300	24	N=2 S=2 E=2 W=2	2m	Good	A mature Silver Birch displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	4.0m
7047	Silver Birch	M	300	24	N=2 S=2 E=2 W=2	2m	Good	A mature Silver Birch displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	4.0m
7048	Silver Birch	M	300	24	N=2 S=2 E=2 W=2	2m	Good	A mature Silver Birch displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	4.0m

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Bessborough House, Co. Cork

Tree #	Species Botanical Name	Age class	Size (mm)	Height (M)	Crown Sp. (M)	Crown Cl.(M)	Condition	Structural/Physiological Observations	Impact of the development	PMR	Category	R.P.A. Meters
7049	Silver Birch	M	300	24	N=2 S=2 E=2 W=2	2m	Good	A mature Silver Birch displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	4.0m
7050	Silver Birch	M	300	24	N=2 S=2 E=2 W=2	2m	Good	A mature Silver Birch displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	4.0m
7051	Silver Birch	M	300	24	N=2 S=2 E=2 W=2	2m	Good	A mature Silver Birch displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	4.0m
7052	Silver Birch	M	300	24	N=2 S=2 E=2 W=2	2m	Good	A mature Silver Birch displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	4.0m
7053	Silver Birch	M	300	24	N=2 S=2 E=2 W=2	2m	Good	A mature Silver Birch displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	4.0m

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Bessborough House, Co. Cork

Tree #	Species Botanical Name	Age class	Size (mm)	Height (M)	Crown Sp. (M)	Crown Cl.(M)	Condition	Structural/Physiological Observations	Impact of the development	PMR	Category	R.P.A. Meters
7054	Silver Birch	M	300	24	N=2 S=2 E=2 W=2	2m	Good	A mature Silver Birch displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	4.0m
7055	Silver Birch	M	300	24	N=2 S=2 E=2 W=2	2m	Good	A mature Silver Birch displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	4.0m
7056	Silver Birch	M	300	24	N=2 S=2 E=2 W=2	2m	Good	A mature Silver Birch displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	4.0m
7057	Silver Birch	M	300	24	N=2 S=2 E=2 W=2	2m	Good	A mature Silver Birch displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	4.0m
7058	Silver Birch	M	300	24	N=2 S=2 E=2 W=2	2m	Good	A mature Silver Birch displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	4.0m

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Bessborough House, Co. Cork

Tree #	Species Botanical Name	Age class	Size (mm)	Height (M)	Crown Sp. (M)	Crown Cl.(M)	Condition	Structural/Physiological Observations	Impact of the development	PMR	Category	R.P.A. Meters
7059	Sycamore	M	320	18	N=4 S=2 E=3 W=3	2m	Good	A mature Sycamore displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	4.2m
7060	Sycamore	M	320	20	N=3 S=3 E=3 W=3	2m	Good	A mature multi-stemmed Sycamore displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	4.2m
7061	Oak	M	380	20	N=3 S=3 E=3 W=3	3m	Good	A mature Oak displaying over all good condition. This tree has 40+ years remaining	No impact	No works required	A2	4.8m
7062	Yew	EM		8	N=3 S=3 E=3 W=3	0.5m	Good	An early mature multi-stemmed Yew displaying over all good condition. This tree has 40+ years remaining	No impact	No works required	B2	
7063	Horse Chestnut	M	360	18	N= S= E= W=	1m	Fair	A mature multi-stemmed Horse Chestnut displaying over all fair condition. This tree is showing evidence of decline. This tree has 10- years remaining	No impact	No works required	C2	4.6m

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Bessborough House, Co. Cork

Tree #	Species Botanical Name	Age class	Size (mm)	Height (M)	Crown Sp. (M)	Crown Cl.(M)	Condition	Structural/Physiological Observations	Impact of the development	PMR	Category	R.P.A. Meters
7064	Cherry	M	400	20	N=4 S=4 E=4 W=4	2m	Good	A large mature multi-stemmed Cherry displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	5.0m
7065 - 7066 x 4	Silver Birch	EM	220	18	N=2 S=2 E=2 W=2	2m	Good	Represents a row of 4 early mature Silver Birch displaying over all good condition. These trees have 20+ years remaining	No impact	No works required	B2	
7067	Monterey Cypress	M		12	N=2 S=2 E=2 W=2	1m	Poor	A mature multi-stemmed Monterey Cypress displaying over all poor condition. This tree is in decline and has suffered significant stem damage	No impact	Remove based on its condition	C2	
7068	Silver Birch	M	280	18	N=2 S=2 E=2 W=2	2m	Good	A mature Silver Birch displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	3.8m
7069	Silver Birch	M	280	18	N=2 S=2 E=2 W=2	2m	Good	A mature Silver Birch displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	3.8m

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Bessborough House, Co. Cork

Tree #	Species Botanical Name	Age class	Size (mm)	Height (M)	Crown Sp. (M)	Crown Cl.(M)	Condition	Structural/Physiological Observations	Impact of the development	PMR	Category	R.P.A. Meters
7070	<i>Cedrus</i> Cedar	M		22	N=4 S=4 E=4 W=4	0.5m	Good	A mature multi-stemmed Cedar displaying over all good condition. This tree has 40+ years remaining	No impact	No works required	A2	
7071	Lime	M	340	16	N=3 S=3 E=3 W=3	1m	Good	A mature Lime displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	
7072	Lime	M	500	20	N=4 S=4 E=4 W=4	1.5m	Good	A large mature Lime displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	6.0m
7073	Cherry	M	500	14	N=6 S=6 E=6 W=6	2m	Good	A mature Cherry displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	6.0m
7074 x 8	<i>Picea</i> <i>Sitchensis</i> Sitka Spruce	M		18	N=2 S=2 E=2 W=2	1m	Good	Represents 8 large mature Sitka Spruce displaying over all good condition. These are forestry trees and not suitable for this location. These trees have 20+ years remaining	No impact	Remove based on species type	C2	

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Bessborough House, Co. Cork

Tree #	Species Botanical Name	Age class	Size (mm)	Height (M)	Crown Sp. (M)	Crown Cl.(M)	Condition	Structural/Physiological Observations	Impact of the development	PMR	Category	R.P.A. Meters
7075	Silver Birch	M	600	24	N=4 S=4 E=4 W=4	2m	Good	A large mature Silver Birch displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	A2	7.0m
7076	Cherry	M		18	N=4 S=4 E=4 W=4	1m	Good	A large mature Cherry displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	
7077	<i>Acer Platanoides</i> Norway Maple	M	500	20	N=4 S=4 E=4 W=4	2m	Good	A large mature Norway Maple displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	6.0m
7078	Norway Maple	M	500	20	N=4 S=4 E=4 W=4	2m	Good	A large mature Norway Maple displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	6.0m
7079	Lime	M	420	20	N=4 S=4 E=4 W=4	2m	Good	A mature Lime displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	5.2m

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Bessborough House, Co. Cork

Tree #	Species Botanical Name	Age class	Size (mm)	Height (M)	Crown Sp. (M)	Crown Cl.(M)	Condition	Structural/Physiological Observations	Impact of the development	PMR	Category	R.P.A. Meters
7080	<i>Betula Jacquemonti</i> Jacquemonti Birch	M	340	18	N=3 S=3 E=3 W=3	1m	Good	A mature Jacquemonti Birch displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	4.4m
7081	Silver Birch	EM	280	16	N=1 S=1 E=1 W=1	3m	Good	An early mature Silver Birch displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	3.8m
7082	<i>Fraxinus Excelsior</i> Weeping Ash	EM	260	3	N=2 S=2 E=2 W=2	1m	Fair	An early mature Weeping Ash displaying over all fair condition. This tree has 10+ years remaining	No impact	Remove based on its condition	C2	3.6m
7083	Silver Birch	M	280	18	N=2 S=2 E=2 W=2	1m	Good	A mature Silver Birch displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	3.8m
7084	Cherry	M	320	12	N=3 S=3 E=3 W=3	2m	Good	A mature Cherry displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	4.2m

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Bessborough House, Co. Cork

Tree #	Species Botanical Name	Age class	Size (mm)	Height (M)	Crown Sp. (M)	Crown Cl.(M)	Condition	Structural/Physiological Observations	Impact of the development	PMR	Category	R.P.A. Meters
7085	<i>Crataegus Monogyna</i> Hawthorn	M	280	6	N=2 S=2 E=2 W=2	2m	Good	A mature Hawthorn displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	3.8m
7086	Elm	M	300	12	N=2 S=2 E=2 W=2	1m	Poor	A mature Elm displaying over all poor condition. This tree is dead and should be removed in the interest of Health & Safety	Remove to facilitate the development	No works required	U	4.0m
7087	Cherry	M		12	N=4 S=4 E=4 W=4	1m	Good	A mature multi-stemmed Cherry displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	
7088	Norway Maple	M	610	20	N=4 S=4 E=4 W=4	2m	Good	A mature Norway Maple displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	7.1m
7089	Norway Maple	M	610	20	N=4 S=4 E=4 W=4	2m	Good	A mature Norway Maple displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	7.1m

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Bessborough House, Co. Cork

Tree #	Species Botanical Name	Age class	Size (mm)	Height (M)	Crown Sp. (M)	Crown Cl.(M)	Condition	Structural/Physiological Observations	Impact of the development	PMR	Category	R.P.A. Meters
7090	<i>Malus Domestica</i> Apple	M		10	N=2 S=2 E=2 W=2	1m	Good	A mature Apple displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	
7091	Lime	M	560	18	N=4 S=4 E=4 W=4	1m	Good	A large mature Lime displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	6.6m
7092	Ash	M	600	22	N=4 S=4 E=4 W=4	1m	Fair	A mature Ash displaying over all fair condition. This tree is showing evidence of decline. This tree has 10+ years remaining	No impact	No works required	C2	
7093	Silver Birch	EM	200	18	N=2 S=2 E=2 W=2	3m	Good	An early mature Silver Birch displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	3.0m
7094	<i>Salix Babylonica</i> Weeping Willow	M	400	18	N=4 S=4 E=4 W=4	1m	Good	A large mature Weeping Willow displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	A2	5.0m

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Bessborough House, Co. Cork

Tree #	Species Botanical Name	Age class	Size (mm)	Height (M)	Crown Sp. (M)	Crown Cl.(M)	Condition	Structural/Physiological Observations	Impact of the development	PMR	Category	R.P.A. Meters
7095	Silver Birch	M	360	22	N=3 S=3 E=3 W=3	2m	Good	A mature Silver Birch displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	4.6m
7096	Silver Birch	M	360	22	N=3 S=3 E=3 W=3	2m	Good	A mature Silver Birch displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	4.6m
7097	Sycamore	EM		6	N=2 S=2 E=2 W=2	1m	Fair	An early mature Sycamore displaying over all fair condition. This tree is partially uprooted. This tree has 10+ years remaining	No impact	No works required	C2	
7098	Cherry	M	240	6	N=0.5 S=0.5 E=0.5 W=0.5	1m	Poor	A mature Cherry displaying over all poor condition. This tree is in advanced decline.	Remove to facilitate	Remove	U	3.4m
7099	Sweet Chestnut	EM	240	8	N=2 S=2 E=2 W=2	1m	Good	An early mature Sweet Chestnut displaying over all good condition. This tree is a good future tree for the site. This tree has 40+ years remaining	No impact	No works required	B2	3.4m

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Bessborough House, Co. Cork

Tree #	Species Botanical Name	Age class	Size (mm)	Height (M)	Crown Sp. (M)	Crown Cl.(M)	Condition	Structural/Physiological Observations	Impact of the development	PMR	Category	R.P.A. Meters
7100	Blue Atlas Cedar	M	400	18	N=4 S=4 E=4 W=4	0.5m	Good	A mature Blue Atlas Cedar displaying over all good condition. This tree has 40+ years remaining	No impact	No works required	A2	5.0m
7101	Cherry	M	500	14	N=6 S=6 E=6 W=6	2m	Good	A large mature Cherry displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	6.0m
7102	Cherry	M	300	10	N=2 S=2 E=2 W=2	1.5m	Good	A mature Cherry displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	4.0m
7103	Common Oak	M	500	18	N=6 S=6 E=6 W=6	2m	Good	A large mature Common Oak displaying over all good condition. This tree has 40+ years remaining	No impact	No works required	A2	6.0m
7104	Silver Birch	EM	200	8	N=0.5 S=0.5 E=0.5 W=0.5	1m	Fair	An early mature Silver Birch displaying over all fair condition. This tree has been suppressed by the larger surrounding trees. This tree has 10+ years remaining	No impact	Remove based on its condition	C2	

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Bessborough House, Co. Cork

Tree #	Species Botanical Name	Age class	Size (mm)	Height (M)	Crown Sp. (M)	Crown Cl.(M)	Condition	Structural/Physiological Observations	Impact of the development	PMR	Category	R.P.A. Meters
7105	Lawson Cypress	M	400	14	N=2 S=2 E=2 W=2	1m	Fair	A mature Lawson Cypress displaying over all fair condition. This tree has 20+ years remaining. A tree of low ecological value	No impact	Remove based on its condition	C2	
7106	Silver Birch	M	500	24	N=4 S=4 E=4 W=4	1.5m	Good	A large mature Silver Birch displaying over all good condition. This tree has 40+ years remaining	No impact	No works required	A2	6.0m
7107	Silver Birch	M	400	20	N=4 S=4 E=4 W=4	2m	Good	A mature Silver Birch displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	5.0m
7108	Lime	M		16	N=3 S=3 E=3 W=3	2m	Good	A mature Lime displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	
7109	Deodar Cedar	M	700	20	N=4 S=4 E=4 W=4	1m	Good	A large mature Deodar Cedar displaying over all good condition. This tree has 40+ years remaining	No impact	No works required	A2	

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Tree #	Species Botanical Name	Age class	Size (mm)	Height (M)	Crown Sp. (M)	Crown Cl.(M)	Condition	Structural/Physiological Observations	Impact of the development	PMR	Category	R.P.A. Meters
7110	Turkey Oak	EM	380	14	N=3 S=3 E=3 W=3	1.5m	Good	An early mature Turkey Oak displaying over all good condition. This tree has 40+ years remaining	No impact	No works required	B2	4.8m

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Tree #	Species Botanical Name	Age class	Size (mm)	Height (M)	Crown Sp. (M)	Crown Cl.(M)	Condition	Structural/Physiological Observations	Impact of the development	PMR	Category	R.P.A. Meters
T1	Sycamore	M	500	20	N=4 S=4 E=4 W=4	3	Good	A large mature sycamore displaying a good overall condition	Remove to facilitate the development	Remove	B2	6m
T2	Sycamore	M	500	20	N=4 S=4 E=4 W=4	3	Good	A large mature sycamore displaying a good overall condition	Remove to facilitate the development	Remove	B2	6m
T3-T4	Sycamore	EM	240	10	N=1 S=1 E=1 W=1	2	Fair	A cluster of self-seed sycamore	No impact	Remove based on condition	C2	
T5	Ash	M	520	24	N=3 S=3 E=3 W=3	4	Good	A large mature sycamore displaying a good overall condition	Remove to facilitate the development	Remove	B2	6.2m
T6	Sycamore	EM	280	12	N=2 S=2 E=2 W=2	2	Fair	An early-mature sycamore	Unknown	No impact	No works required	3.8m
1783	Yew	M	550	16	N=4 S=4 E=4 W=4	2	Good	A large mature Yew, fantastic specimen	Unknown	No impact	No works required	6.5m

Tree #	Species Botanical Name	Age class	Size (mm)	Height (M)	Crown Sp. (M)	Crown Cl.(M)	Condition	Structural/Physiological Observations	Impact of the development	PMR	Category	R.P.A. Meters
1784 x 3	Sycamore	M	500	24	N=3 S=3 E=3 W=3	2	Good	A cluster of three mature sycamore	No impact	No works required	B2	6m
1785	Sycamore	M	700	24	N=4 S=4 E=4 W=4	3	Good	A large mature sycamore displaying a good overall condition	No impact	No works required	A2	8m
1786-1787 x 4	Sycamore	M	600	24	N=3 S=3 E=3 W=3	3	Fair	A row of four large mature sycamore	No impact	No works required	B2	7m
1788	Beech	M	420	24	N=3 S=3 E=2 W=3	3	Good	A large mature beech displaying a good overall condition	No impact	No works required	A2	5.2m
1789	Sycamore	M	400	20	N=2 S=2 E=2 W=2	3	Good	A mature sycamore displaying a good overall condition	No impact	No works required	B2	5m
1790	White poplar	M	800	28	N=6 S=6 E=6 W=6	4	Good	A large mature Poplar	No impact	No works required	B2	9m

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Tree #	Species Botanical Name	Age class	Size (mm)	Height (M)	Crown Sp. (M)	Crown Cl.(M)	Condition	Structural/Physiological Observations	Impact of the development	PMR	Category	R.P.A. Meters
1791	Sycamore	M	500	22	N=3 S=3 E=3 W=3	3	Good	A large mature sycamore displaying a good overall condition	No impact	No works required	B2	6m
1792	Sycamore	M	380	16	N=2 S=2 E=2 W=2	2	Fair	A large mature sycamore displaying a fair overall condition	No impact	No works required	C2	4.8m
1793	Sycamore	M	600	24	N=4 S=4 E=4 W=4	3	Good	A large mature beech displaying a good overall condition	No impact	No works required	B2	7m
1794 x 4	Sycamore cluster	M	540	24	N=3 S=3 E=3 W=3	3	Good	A cluster of four large mature multi-stemmed sycamore	No impact	No works required	B2	6.4m
1795	Sycamore	M	700	26	N=4 S=4 E=4 W=4	3	Good	A mature sycamore displaying a good overall condition	No impact	No works required	A2	8m
1796	Sweet chestnut	M	1200	28	N=6 S=6 E=6 W=6	3	Good	A large mature sweet chestnut, a fantastic specimen	No impact	No works required	A2	12m

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1797	Elm	M	500	22	N=3 S=3 E=3 W=3	4	Good	A large mature elm displaying a good overall condition	No impact	No works required	B2	6m
1798	Beech	M	950	24	N=6 S=6 E=6 W=6	4	Fair	A large mature beech displaying a fair overall condition	No impact	No works required	A2	10.5m
1799	Elm	M	500	24	N=3 S=3 E=3 W=3	6	Good	A large mature elm displaying a good overall condition	No impact	No works required	B2	6m
1800	Sycamore	M	450	24	N=3 S=3 E=3 W=3	3	Good	A mature sycamore displaying a good overall condition	No impact	No works required	B2	5.5m
T7	Lime	M	400	18	N=3 S=3 E=3 W=3	3m	Good	A mature Lime displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	5.0m
T8	Lime	M	400	18	N=3 S=3 E=3 W=3	3m	Good	A mature Lime displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	5.0m

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Tree #	Species Botanical Name	Age class	Size (mm)	Height (M)	Crown Sp. (M)	Crown Cl.(M)	Condition	Structural/Physiological Observations	Impact of the development	PMR	Category	R.P.A. Meters
T9	Lime	M	400	18	N=3 S=3 E=3 W=3	3m	Good	A mature Lime displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	5.0m
T10	Lime	M	600	24	N=5 S=5 E=5 W=5	3m	Good	A mature Lime displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	7m
T11	Lime	M	400	18	N=3 S=3 E=3 W=3	3m	Good	A mature Lime displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	5.0m
1800	Sycamore	M	450	24	N=3 S=3 E=3 W=3	3	Good	A mature sycamore displaying a good overall condition	No impact	No works required	B2	5.5m
T7	Lime	M	400	18	N=3 S=3 E=3 W=3	3m	Good	A mature Lime displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	5.0m
T8	Lime	M	400	18	N=3 S=3 E=3 W=3	3m	Good	A mature Lime displaying over all good condition. This tree has 20+ years remaining	No impact	No works required	B2	5.0m

Tree #	Species Botanical Name	Age class	Size (mm)	Height (M)	Crown Sp. (M)	Crown Cl.(M)	Condition	Structural/Physiological Observations	Impact of the development	PMR	Category	R.P.A. Meters
2570	oak	SM	150	10	N=2 S=2 E=2 W=2	2	Good	A semi-mature oak in good condition	No impact	Retain	B2	2.5m
2571	Hawthorn	EM	120	6	N=2 S=2 E=2 W=2	1m	Fair	A multi-stemmed hawthorn	No impact	Retain	C2	2.2m
2572	Ash	EM	250	16	N=2 S=2 E=2 W=2	1m	Good	An early mature ash	No impact	Retain	B2	3.5m
2573	Oak	M	450	20	N=4 S=4 E=4 W=4	6m	Good	A large mature oak displaying a good overall condition	No impact	Retain	A2	5.5m
2574	Oak	EM	200	12	N=2 S=2 E=3 W=3	1m	Good	An early mature oak in good condition	No impact	Retain	B2	3m
2575	Sycamore	SM	80	5	N=1 S=1 E=1 W=1	1m	Good	Semi-mature sycamore	No impact	Retain	C2	1.8m

Tree #	Species Botanical Name	Age class	Size (mm)	Height (M)	Crown Sp. (M)	Crown Cl.(M)	Condition	Structural/Physiological Observations	Impact of the development	PMR	Category	R.P.A. Meters
2576	Oak	M	460	18	N=4 S=2 E=2 W=2	6	Good	A mature oak in good condition	No impact	Retain	A2	5.6m
2577	Oak	M	300	12	N=4 S=2 E=2 W=2	4m	Good	A mature oak in good condition	No impact	Retain	A2	4m
2578	Ash	M	300	18	N=4 S=4 E=4 W=4	1m	Good	A mature ash	No impact	Retain	B2	4m
2579	Ash	M	400	20	N=4 S=4 E=4 W=4	6m	Good	A large mature ash displaying a good overall condition	No impact	Retain	B2	5m
2574	Oak	EM	200	12	N=2 S=2 E=3 W=3	1m	Good	An early mature oak in good condition	No impact	Retain	B2	3m
2575	Sycamore	SM	80	5	N=1 S=1 E=1 W=1	1m	Good	Semi-mature sycamore	No impact	Retain	C2	1.8m

Tree #	Species Botanical Name	Age class	Size (mm)	Height (M)	Crown Sp. (M)	Crown Cl.(M)	Condition	Structural/Physiological Observations	Impact of the development	PMR	Category	R.P.A. Meters
4640	Scots pine	M	600	24	N=0 S=0 E=0 W=0	6	Dead	Maintain as standing habitat	No impact	Retain	U	
4641	Sycamore	M	420	24	N=4 S=4 E=4 W=4	4m	Good	A large mature sycamore	No impact	Retain	B2	5.2m
4642	Sycamore	Em	120	8	N=1 S=1 E=1 W=1	3m	Fair	A self0-seed sycamore	No impact	Retain	C2	2.2m
4643	Yew	M	500	14	N=4 S=4 E=4 W=4	2m	Good	A large mature a Yew displaying a good overall condition	No impact	Retain	A2	6m
4644	Yew	M	500	14	N=4 S=4 E=4 W=4	2m	Good	A large mature a Yew displaying a good overall condition	No impact	Retain	A2	6m

Tree #	Species Botanical Name	Age class	Size (mm)	Height (M)	Crown Sp. (M)	Crown Cl.(M)	Condition	Structural/Physiological Observations	Impact of the development	PMR	Category	R.P.A. Meters
6826	Ash	M	380	22	N=3 S=3 E=3 W=3	4m	Good	A mature multi-stemmed Ash displaying over all good condition. This tree has 20+ years remaining	Remove to facilitate the bridge	No works required	B2	4.8m
6827	Holly	M	200	10	N=3 S=6 E=3 W=3	2m	Good	A mature multi-stemmed Holly displaying over all good condition. This tree has 20+ years remaining.	Remove to facilitate the bridge	No works required	B2	3.0m
6828	Oak	M	400	6	N=1 S=1 E=1 W=1	2m	Poor	A mature Oak displaying over all poor condition. This tree is partially blown over. This tree has 10- years remaining	Impacted by the proposed road	Remove	U	5.0m
4636	Oak	M	340	14	320	3	Good	A mature oak in good condition	Remove to facilitate the bridge	Remove	B2	4.2m

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.
- Installation of tree protection measures.
- Enabling works.
- Construction of proposal and the installation of drainage and services.
- Landscaping.

Alternative sequences can be discussed and agreed with the local authority and project manager if required.

Supervision

All key / critical activities that will affect trees during construction will be inspected and monitored by the approved arboricultural consultant.

- Pre-commencement meeting with site manager and local authority to confirm location of tree protection measures.
- Inspection of all tree works and tree protection measures prior to the commencement of works.
- Monthly site visits to inspect tree protection measures are in place and reports issued to the local authority.
- Supervision during the excavation works within the RPAs of retained trees.
- Supervision during the installation of all services within tree RPAs.
- Supervision during any other works that may affect retained trees.
- Inspection upon completion.

Arboricultural Method Statement	
Scope	Methodology
Pre-commencement meeting	<p>Prior to the commencement of works, a meeting between the arboricultural consultant, local authority and the site manager will be held in order to discuss the tree protection measures and proposed works required in close proximity to trees.</p> <p>Contact details of all parties will be circulated to ensure all team members are able to communicate correctly.</p> <p>The site manager will be responsible for the protection of all retained trees for the duration of the project. Whenever necessary, the site manager will engage the arboricultural consultant to ensure trees are adequately protected.</p> <p>The appointed arboricultural consultant will be available for verbal advice throughout site works.</p>
Tree Works	<p>Please refer to the Tree Work Schedule at Appendix A for a list of all proposed tree works. The location of trees to be removed are highlighted on the Tree Removals Plan at Appendix B.</p> <p>It is the responsibility of the Site Manager to ensure all tree works have been approved by the local planning authority.</p> <p>All tree works will be carried out by a reputable arboricultural contractor in accordance with the recommendations given in BS 3998:2010 – Tree Work Recommendations.</p> <p>All tree works should be carried out in accordance with Section 40 of the Wildlife Act 1976 and Section 46 of the Wildlife (Amendment) Act 2000.</p> <p>It is the responsibility of the arboricultural contractor to ensure that no protected species are harmed whilst carrying out site clearance or tree surgery works.</p>

Tree Protection

The position of protective fencing for construction is shown on the Tree Protection Plan at Appendix B.

Protective fencing will be constructed and installed using fencing in accordance with BS5837:2012, please refer to the attached Tree Protection Plan for the specification. Alternatives to those shown must be agreed in advance by the client approved, arboricultural consultant.

	<p>Any machinery / site operative within tree RPAs must operate on the appropriate ground protection at all times, this will include the installation and removal of ground protection.</p> <p>Ground protection measures must be installed in accordance with industry best practice guidance as stated within Section 6.2.3.3 of BS 5837:2012. They must be fit for purpose and capable of supporting any traffic entering or using the site without being distorted or causing compaction of underlying soil.</p> <p>No materials or equipment other than those required to erect protective fencing will be delivered to the site before the fencing is installed.</p> <p>Signs will be fixed to every third panel stating, <i>'Tree Protection Area Keep Out – Any incursion into the protected area must be with the agreement of the local authority or arboricultural consultant'</i>.</p> <p>The main contractor will inform the local authority and the arboricultural consultant that tree protection is in place before site clearance works commence.</p> <p>No alteration, removal or repositioning of the tree protection will take place during construction without the prior consent of the arboricultural consultant.</p>
<p>Compound Area</p>	<p>The proposed site compound area has not yet been designed; however, the considerations below must be followed:</p> <p>The site compound must be located outside the designated TPZs as highlighted on the Tree Protection Plan at Appendix B.</p> <p>No excavation works within tree RPAs are permitted to install temporary services for site cabins and facilities. Any temporary services within tree RPAs must be above ground and protected accordingly.</p> <p>No operating generators or toxic liquids will be stored within the RPAs of retained trees during construction.</p> <p>Overhanging tree canopies must be taken into consideration when transporting, installing and removing site cabins near tree crowns. A banksman will be present during this process to ensure that all operations are carried out in a controlled manner and no part of the</p>

	<p>cabin meets overhanging tree crowns.</p>
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<p>Installation of cellular confinement system</p>	<p>The installation of the cellular confinement system will be carried out under arboricultural supervision using the following methodology:</p> <p>The existing vegetation in the location of the footpath will be sprayed using a suitable herbicide that is not detrimental to trees and the area left for the prescribed timescale (normally 14 days).</p> <p>Once vegetation has died off the area will be raked and if levelling is required this will be carried out through the spreading of lawn sand or a good quality topsoil.</p> <p>Once levelled the area will be covered by a permeable membrane onto which the cellular system will be laid. This will then be infilled with 20-40mm angular non-fine aggregate and edged with pressure treated pegged timber board or similar. Please refer to the manufacturer's guidelines for additional information.</p> <p>The finishing surface layer will consist of a permeable hard surface material.</p>
<p>Installation of fencing within RPAs</p>	<p>The installation of fencing within the RPAs of retained trees will be carried out using the following methodology:</p> <p>Post holes will be carefully positioned as far away from the stem of trees as possible (minimum 50 cm) to minimise contact with tree stems and significant tree roots.</p> <p>Holes will be manually excavated with the use of hand tools only and where roots greater than 25mm in diameter or large fibrous roots are present, the position of the hole will be slightly altered to avoid potential root damage.</p> <p>If the position of the hole cannot be altered, roots greater than 25mm in diameter or large fibrous roots will be protected with flexible plastic pipes and retained within the pit.</p> <p>In some cases, individual roots less than 25mm in diameter may be pruned, making a clean cut with a suitable sharp sterile tool (e.g. secateurs or handsaw).</p> <p>Once the required depth has been excavated, the hole will be lined using</p>

	1000-gauge polythene and filled with the appropriate concrete mix.
Landscape Operations	All landscape operations within the protected area will be carried out by hand, using hand tools only, unless otherwise agreed with by the arboricultural consultant.

	<p>No dumping of spoil or rubbish, parking of vehicles or plant, storage of materials or temporary accommodation will be undertaken within the TPZs.</p> <p>All tree roots within the RPAs greater than 25mm diameter will be retained and worked around.</p> <p>Soil levels will not be increased or reduced within the RPAs of trees without prior agreement from the arboricultural consultant.</p>
<p>General Principles to Avoid Damage to Trees</p>	<p>All tree works will be carried out in accordance with the recommendations given in BS 3998 (2010).</p> <p>No fires will be permitted within 20m of the crown of any tree.</p> <p>No changes in soil levels will take place within the tree protection zones without prior written consent of the local authority.</p> <p>No materials, vehicles, plant or personnel will be permitted into the tree protection zones at any time without the prior consent of the arboricultural consultant.</p> <p>Any liquid materials spilled on site will be immediately cleared up and removed from the site. If liquid fuel or cement products are spilled within 2m of the tree protection zone, the contractor will report the incident to the arboricultural consultant immediately.</p> <p>The contractor will report any damage to trees or shrubs, whether caused by construction activities or from any other cause, to the arboricultural consultant immediately.</p>

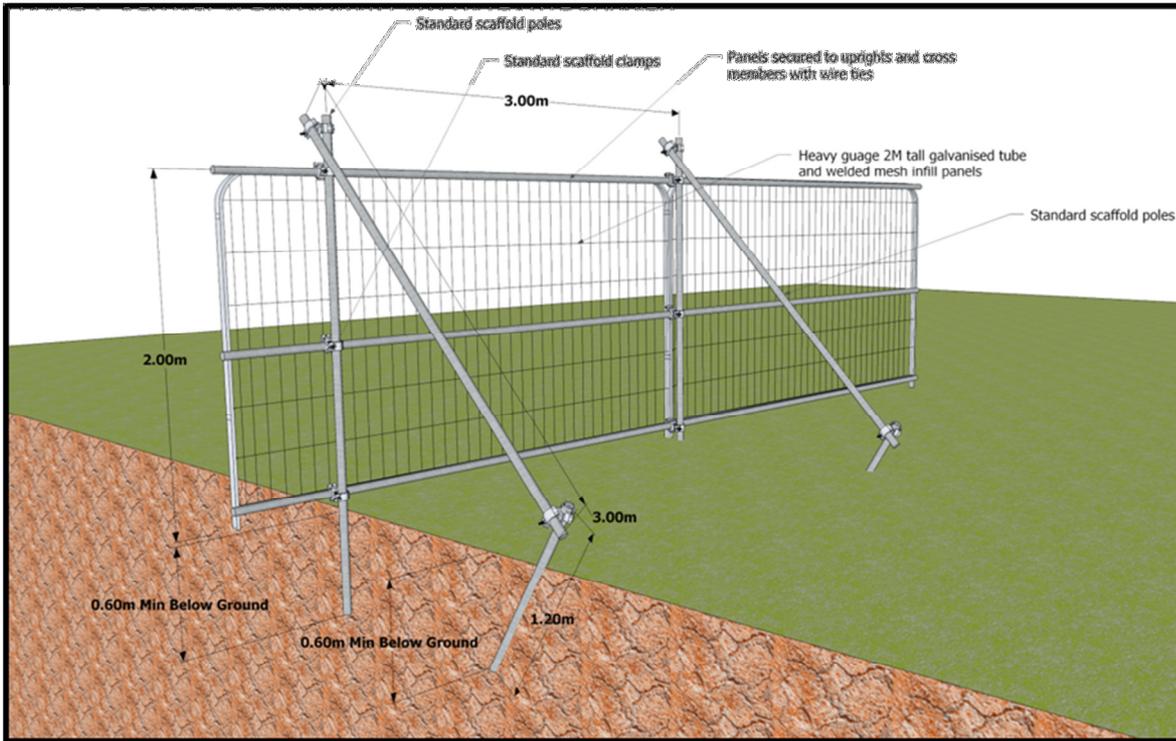
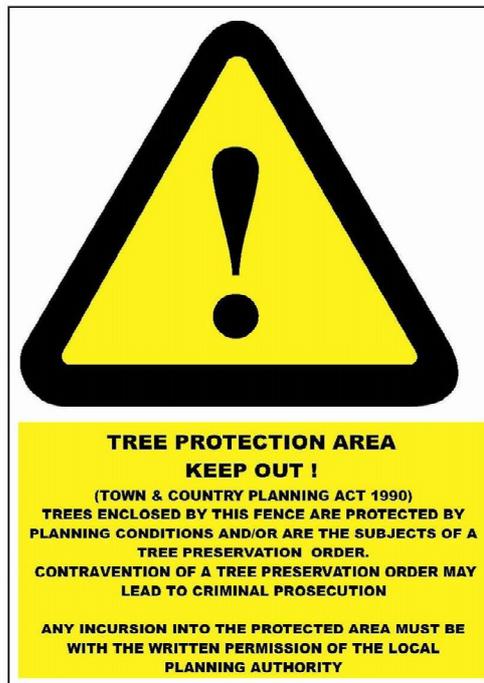


Figure 3 Default specification for tree protection barrier in accordance with BS5837:2012





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Yours in Conservation,

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