

Arborist Associates Ltd.

A Condition Assessment of the Trees along 'Georges Street', Dún-Laoghaire, Co. Dublin.

Prepared for: JB Barry & Partners Limited.

**Prepared by: Felim Sheridan F. Arbor. A, RFS Dip, Nat. Dip & NCH in
Arboriculture**

Date: 8th September 2023

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1.0 Instructions

1.1 I have been instructed by JB Barry & Partners Limited to assess the trees along 'Georges Street', Dún-Laoghaire, Co. Dublin and report on the following:

- A -** To assess the present condition of the trees along this road. See condition tree assessment schedule within 'Appendix 1' of this report and drawing No.GSD001 (Parts 1 – 3) which have been prepared as a 'Tree Constraints Drawing' for details.

2.0 Report Limitations

- 2.1 The inspection of these trees has been carried out from ground level only and is a preliminary report. It does not include climbing inspections or below ground investigations. Should a more detailed inspection be thought necessary on any tree/s, then this will be highlighted within my recommendations.
- 2.2 The assessment is based on what was visible at the time and recommendations made are subject to the knowledge and expertise of the qualified Arboriculturist that carried out the above inspections.
- 2.3 Trees should be inspected on a regular basis as their health and condition can change rapidly due to biotic and abiotic agents. The recommendations within this report are valid for a 12-month period only and this may be reduced in the case of any change in conditions to or in the proximity of the trees.
- 2.4 Before undertaking any work to these trees, it would be advisable to check whether there is any planning or tree preservation controls are in operation, if they are it will be necessary to obtain consent before undertaking any works (pruning or felling).

3.0 Aims and Report Brief

- 3.1 Arborist Associates Ltd. has been commissioned to provide a condition assessment of the existing trees along 'Georges Street', Dún-Laoghaire, Co. Dublin and to prepare a tree constraints plan.
- 3.2 The Arboricultural data which is presented within the attached tree schedule (see appendix 1), has been recorded in line with BS 5837:2012. The tree survey was conducted by collecting and assessing the following information on all significant trees located on site and plotted onto the land survey map provided.
- Tree Number (metal tags attached to each tree).
 - Tree species both common and botanical.
 - Dimensions (Trunk diameter, height, crown spread and crown clearance).
 - Age Class
 - Physiological Condition
 - Structural Condition

- Preliminary Recommendations
- Estimated remaining contribution within their present environment
- Retention category

- 3.3 Their retention category has been assessed and categorized according to their quality and value within the existing context (BS-4.5), and not in conjunction with any proposed development plans. In making this assessment, particular consideration was given to:
- **Arboricultural Value** – including health, structural form, life expectancy, species and its physical contribution to or affects on other features located on site.
 - **Landscape Value** – an assessment of a tree’s locality including its contributions to other features as well as to the site as a whole.
 - **Cultural Value** – additional contributions made such as conservation, historical, commemorative value.
- 3.4 The trees have been divided into one of the following categories, in accordance with the cascade chart illustrated in table 1 of BS 5837:2012. The classification process begins by determining whether the tree falls within the (U) category, if not then the process will continue by assuming that all trees are considered according to the criteria for inclusion in the high category (A). Trees that do not meet these strict criteria will then be considered in light of the criteria for inclusion in the moderate category (B) and failing this, they will be allocated a low category (C).

The following summarizes each of the categories:

Category U - Those trees in such a condition that any existing value would be lost within 10 years. Due to the condition of these trees, they should not be considered a constraint on the design layout of the proposed works along this road.

These would be seen as trees that have little or no potential either due to their physiological and/or structural condition and their removal would be seen necessary either now or in the short-term as the most appropriate management option.

Any category ‘U’ trees identified within the site area have been shown on our drawing (No.GSD001) with a ‘Red’ donut around their trunk positions.

Category A - Trees of high quality/value with a minimum of 40 years life expectancy.

These would be seen as trees that have the potential to contribute to the tree cover of this area for the long-term.

Any category ‘A’ trees identified within the site area have been shown on our drawing (No.GSD001) with a ‘Green’ donut around their trunk positions.

Category B - Trees of moderate quality/value with a minimum of 20 years life expectancy.

These would be seen as trees that have the potential to contribute to the tree cover of this area for the medium term.

Any category 'B' trees identified within the site area have been shown on our drawing (No.GSD001) with a 'Blue' donut around their trunk positions.

Category C - Trees of low quality/value with a minimum of 10 years life expectancy.

These trees would be seen as having the potential to provide tree cover for the short to medium term. As part of the future management, some of these would probably be removed for one reason or another. These trees should not be seen as a considerable constraint, but should be considered for retention where viable.

Any category 'C' trees identified within the site area have been shown on our drawing (No.GSD001) with a 'Grey' donut around their trunk positions.

- 3.5 The trees have been plotted onto the attached drawing (No.GSD001) along this road by a land survey company and where not, they have been positioned by ourselves to the best of our ability they would be best checked by a land survey company to ensure accuracy. This drawing has been developed as 'Tree Constraints Plan' to aid the design team in the layout of the proposed works and the tag numbers referred to in the condition tree report have been shown on this drawing along with their crown spreads and their retention category colour coded as recommended by BS 5837 2012. The constraint (Minimum Root Protection Area) for each tree has been shown with an 'Orange Circle'.

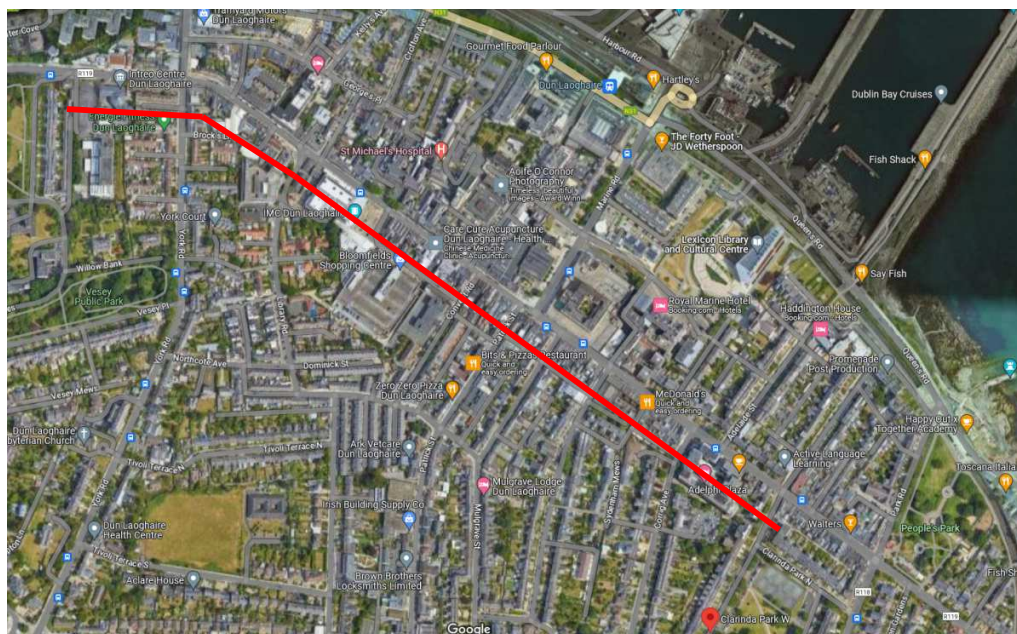
The Root Protection Area (RPA) is the minimum area around individual trees to be protected from disturbance during construction works and the RPA is usually expressed as a radius in meters measured from the tree stem. As the RPA is shown as a circle on the accompanying drawing, it is unlikely that the roots of the trees will be present in all this zone as it is unlikely that tree roots will be growing out underneath the existing road surfaces and the root zones are likely to be more oblong in shape running more parallel with the roads, but it will always be necessary to treat this zone as a precautionary area as there may be roots present underneath these surfaces.

Any deviation in the RPA from the original circular plot needs to take account of the following factors whilst still providing adequate protection for the root system:

- a) The morphology and disposition of the roots, when influenced by past or existing site conditions (e.g. the presence of roads, structures, drainage ditches and underground apparatus);
- b) Topography and drainage;
- c) The soil type and structure;
- d) The likely tolerance of the tree to root disturbance or damage, based on factors such as species, age, condition and past management.

4.0 Summary of Survey Findings:

- 4.1 The trees included within this assessment are located along 'Georges Street' working from east to west and includes trees at the junctions of this road with 'Haigh Terrace', along 'Marine Road' to the junction with 'Eblana Avenue', Convent Road to the junction with 'Convent Lane', Library Road south to a small roundabout and at the western end of Georges Street where it adjoins 'Cumberland Street'.



Google aerial plan shows Georges Street outlined in red and its surrounding environment.

- 4.2 There is a mix of tree species along this road ranging from those within the public footpaths and adjoining soft landscape areas to those within private properties that border with this road. The trees along this road have been tagged with the reference number 0248-0278 with three trees located within private property numbered numerically from 1 – 3.

There is a mix of age classes from those of a mature age to those that have been added in over the years as part of the upgrade/landscaping of this road and its junction.

The tree species present consist of Sycamore, Horse Chestnut, Lime, Hornbeam, London Plane, Robinia and Oak.

There is evidence of past management from the pruning to reduce size in order to address structural issues and their juxtaposition within the built environment to the pruning of lower crowns in order to provide clearance over the surrounding surfaces and structures.

- 4.3 Along this road, 31No.Trees were tagged individually (Nos.0248 - 0278), with 3No.Trees and 5No. Planters numbered numerically.

Category Grade	No. of Trees
Category U 1 Tree	Trees No. 0275
Category A 3 Trees	Tree Nos. 0255, 0257 & 0258.
Category B 17 Trees	Tree Nos. Tree No.1, 0248, Tree No.2, Tree No.3, 0250, 0256, 0259, 0260, 0264, 0265, 0266, 0267, 0268, 0269, 0272, 0276 & 0278.
Category C 13 Trees + 5 Planters	Tree Nos. 0249, 0251, 0252, 0253, 0254, 0261, 0262, 0263, 0270, 0271, 0273, 0274 & 0277. Planters 1- 5
Totals:	34 Trees + 5 planters

5.0 Management

- 5.1 All tree vegetation being retained will require their root protection areas enclosed by fencing to the recommendations of BS5837 2012 and this will need to be retained in place for the duration of the proposed works around these trees.
- 5.2 For works occurring within the calculated root protection areas for these trees, these need to be carried out with care and under the supervision of the project Arborist to ensure soil and tree roots are not damaged by these proposed works.
- 5.3 The trees being retained will need to be reviewed once the site layout has been completed and the necessary remedial tree surgery works have been carried out to promote safety. All tree works both felling and pruning are to be carried out to the specifications of BS 3998:2010 by a competent tree surgery firm with adequate insurance.

This report is for the sole use of the above named client and refers to only those trees identified within and its use by any other person(s) in attempting to apply its contents for any other purpose renders the report invalid for that purpose.

Signed *Felim Sheridan*

Date 8th September 2023

Felim Sheridan

F. Arbor. A, RFS Dip, Nat. Dip & NCH in Arboriculture

Felim Sheridan's qualifications:

Fellow of the Arboricultural Association (F. Arbor. A), Professional diploma Arboriculture (RFS), National diploma Arboriculture (ND) and National certificate Horticulture (NCH).

Appendix 1

Condition Tree Assessment

Of Trees along 'Georges Street', Dún-Laoghaire, Co. Dublin.

Date: 8th September 2023

Survey Notes

All codes referred to in this report are approximate and serve as a general guide only.

Reference to Numbers: The trees have metal tags attached and these correspond with the numbers in this report.

Reference to age class is as follows:

Young:	A tree, which has been planted in the last 10 years.
Semi Mature	A tree that is less than 1/3 the expected height of the species in question.
Early Mature:	A tree, which is between a 1/3 and 2/3's the expected height of the species in question.
Mature:	A tree that has reached the expected height of the species in question, but still increasing in size.
Over Mature:	A tree at the end of its life cycle and the crown is starting to break up and decrease in size.

Reference to Physiological, Structural Condition and other comments:

Physiological Condition

- Good:** A tree with no major defects, but possibly including some small defects.
- Fair:** A tree with some minor defects such as bark Wounds, isolated decay pockets or structure affected due to overcrowding.
- Poor:** A tree with more serious defects such as extensive deadwood, decay or defective to the point of being dangerous.

Structural condition and other comments –

This records noted visual defects and other information about the trees health and structure.

Estimated Remaining Contribution in years

This is based on an Arboricultural assessment of the tree and is estimated based of the findings noted at time. Trees still need to be reviewed on a regular basis, preferably annually.

- Less than (<) 10 years remaining contribution
- 10 + years remaining contribution
- 20 + years remaining contribution
- 40 + years remaining contribution.

Retention Categories

The purpose of the tree categorization method is to identify the quality and value of the existing tree stock, allowing informed decisions to be made concerning which trees should be removed or retained should development occur.

It is carried out in accordance with section 4.5 (Tree Categorization Method) of BS 5837 2012.

Summary

Main categories

Category U – Those trees in such a condition that any existing value would be lost within 10 Years. Most of these will be recommended for removal for reasons of sound Arboricultural practice.

Category A - Trees of high quality/value with a minimum of 40 years life expectancy.

Category B – Trees of moderate quality/value with a minimum of 20 year life expectancy.

Category C – Trees of low quality/value with a minimum of 10 years life expectancy

Sub categories

1 – Mainly Arboricultural Values

2 – Mainly Landscape values

3- Mainly Cultural and conservation value

Note: Whilst C category trees will usually not be retained where they would impose a significant constraint on development, young trees with a stem diameter of less than 150mm should be considered for relocation.

If a layout design places Category U trees in an inaccessible location such that concerns over public safety are reduced to an acceptable level, it may be preferable or possible to defer the recommendation to fell.

The terms ‘Group, woodland or tree line’ 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 to each of the three subcategories.

Reference to Crown spread, Height and Trunk Diameter:


This gives a **guide** to the area taken up by the tree.

Trunk diameter is the diameter of the main trunk taken at a height of 1.5m and is recorded in millimetres (mm).

Height records the overall height of the tree and is given in meters (m).


Crown Spread records the extent of the branches normally in a north, south, east and west direction from the base of the tree and is given in meters (m).


Clear crown height records the distance between the ground and the first branch from the base of the tree and is given in meters (m)

Tree No	Tree Species	Age	Ht (m)	TD (mm)	Crown Spread (m)				C. Ht (m)	Phys. Condition	Structural Condition/Comments	Works Required	Remaining Years	Category
					N	S	E	W						
<p>A Condition Assessment of the trees on 'Georges Street' Dún – Laoghaire, Co. Dublin.</p> <p>The assessment of these trees works from east to west in direction along this street.</p>														
Tree No. 1	Sycamore <i>Acer pseudoplatanus</i>	Mature	23	1250	7	7	10	8	2	Fair	<p>Fair</p> <p>It is a large prominent, visual tree located on the north side of 'Georges Street'. It is located on the inside the front boundary failing of a private property. The visual assessment of this tree has been carried out from the roadside only and may be limited as a result. Some lower scaffold limbs/ branches have been removed or raised in order to raise up its crown over the years with decay pockets at the old wounds as a result. There is some epicormic growth developing on the main trunk. The area around its base is surfaced in paving.</p> 	The management of this tree line is located outside the control of this site area.	20+	B2
0248	Lime <i>Tilia sp.</i>	Semi Mature	7	200	3	3	3	4	2	Fair/ Good	Fair It has been planted into a paved area within a	Requires no work at the present time.	40+	B1/B2


Tree No	Tree Species	Age	Ht (m)	TD (mm)	Crown Spread (m)				C. Ht (m)	Phys. Condition	Structural Condition/Comments	Works Required	Remaining Years	Category
					N	S	E	W						
										proper planting pit at the junction of 'Georges St.' and 'Corrig Ave'. The lower branches have been pruned/ removed in order to raise up its crown. It is a focal tree on this street and is of good quality.	It will require pruning from time to time to maintain clearance over the surrounding surfaces. The paving area around its base will also require some adjustment as this tree grows in size.			
0249	Robinia <i>Robinia pseudoacacia</i>	Young	6	90	1	1	1	1	0	Good	Good It has been planted into a shrub bed with paving around its base just north of the junction of 'Haigh Terrace.' with Georges St. It has a low crown formation down to ground level with epicormic growth on the lower stem. It has suffered branch breakage on the eastern side, possibly due to recent winds (Storm Betty) leaving its crown more	Remove lower epicormic growth in order to raise up its crown and to open up the area underneath.	40+	C1




Tree No	Tree Species	Age	Ht (m)	TD (mm)	Crown Spread (m)				C. Ht (m)	Phys. Condition	Structural Condition/Comments	Works Required	Remaining Years	Category
					N	S	E	W						
										asymmetrical as a result.				
														
The following two trees are located within private property.														


Tree No	Tree Species	Age	Ht (m)	TD (mm)	Crown Spread (m)				C. Ht (m)	Phys. Condition	Structural Condition/Comments	Works Required	Remaining Years	Category
					N	S	E	W						
														
Tree No. 2	Horse Chestnut <i>Aesculus hippocastanum</i>	Mature	17	850	5	6	5	5	2	Fair	Fair A prominent visual tree, it is located within the front lawn area of House No.97 and inside the boundary railing with the public footpath. The visual assessment has been limited to the road side only and may be limited as a result. There is epicormic growth and basal suckers present. Its crown size has been heavily reduced / pruned over the years and it currently has a small compact crown of re-growth. Minor lifting is occurring on the footpath/ pavement outside the boundary railing and this is most likely attributed to by the tree roots.	Management is in private ownership. It would benefit from ongoing maintenance of the lower epicormic growth and basal suckers.	20+	B2


Tree No	Tree Species	Age	Ht (m)	TD (mm)	Crown Spread (m)				C. Ht (m)	Phys. Condition	Structural Condition/Comments	Works Required	Remaining Years	Category
					N	S	E	W						
Tree No.3	Lime <i>Tilia sp.</i>	Mature	20	500	4	4	4	4	2	Fair	Fair A prominent visual tree, it is located west of Tree No. 2 and they form part of the one group/ canopy formation. It is located within the front garden area of House No. 98 inside the boundary railing with the public footpath/ road and the visual assessment has been limited to the road side only. There is a mass of suckers growing from its base with epicormic growth, limiting the visual assessment to some degree. Its crown size has been pruned/ reduced in line with Tree No. 2 with a compact crown at the present time. Ivy cover on the main stem is beginning to extend up into its crown.	Management is in private ownership. The lower branches will require pruning? Maintain basal suckers and lower epicormic growth. Cut Ivy at ground level.	20+	B2
The following trees are located on 'Marine Road' with the first lot on the western side of this road.														

Tree No	Tree Species	Age	Ht (m)	TD (mm)	Crown Spread (m)				C. Ht (m)	Phys. Condition	Structural Condition/Comments	Works Required	Remaining Years	Category
					N	S	E	W						
														



Tree No	Tree Species	Age	Ht (m)	TD (mm)	Crown Spread (m)				C. Ht (m)	Phys. Condition	Structural Condition/Comments	Works Required	Remaining Years	Category
					N	S	E	W						
														
0250	Sycamore <i>Acer pseudoplatanus</i>	Mature	12	500	5	6	6	6	4	Fair	Fair It is a large, prominent visual tree and it has been incorporated into the paved area around its base. The lower limbs/ branches have been removed in order to raise up its crown and some pruning wounds have been created as a result. Its crown is slightly thin, an indication of stress related issues, possibly due to its growing environment and impacts from past construction works. Lighting has been attached to its crown and the ties and wires may cause structural damage.	Remove the electoral wires and the lighting within its crown along with dead/ unstable growth.	20+	B2
0251 - 0254	Hornbeam <i>Carpinus Betulus</i> (4 in total)	Early Mature	11	210	2	2	2	2	2	Fair/ Good	Fair They are located within a linear shrub bed along the east façade of the church building and their crowns are beginning to grow in onto the building. The area around their bases is in soft landscape with paving to the east outside this area. The lower branches	It will require further pruning to maintain clearance with the building. They may eventually	20+	C2



Tree No	Tree Species	Age	Ht (m)	TD (mm)	Crown Spread (m)				C. Ht (m)	Phys. Condition	Structural Condition/Comments	Works Required	Remaining Years	Category
					N	S	E	W						
											have been removed previously in order to raise up their crowns. They have value for softening the facade of the building but are causing some blockage of light into the stained glass window.	outgrow this space		
0255	Sycamore <i>Acer pseudoplatanus</i>	Semi Mature	5	200	3	2	2	3	4	Fair/ Good	Fair It has been planted into the streetscape with a shrub border of 2m north/south x 1m east/west around its base with hedging which has been kept trimmed. It has established well and the lower branches have been pruned/ removed in order to raise up its crown.	Requires no work at the present time.	40+	A1
0256	Sycamore <i>Acer pseudoplatanus</i>	Semi Mature	8	160	2	1	1	2	3	Fair	Fair It is located within a planter 3m north/south x 2m east/west with hedging around it which has been kept trimmed. It is showing some signs of stress/ decline within its crown, possibly associated with its establishment. The lower branches have been pruned/ removed in order to raise up its crown. 'Horse Chestnut Scale' is present on the main scaffold limbs/ branches. The side branches are beginning to interfere with the public lighting.	It will require pruning of side branches in order to maintain clearance with the public lighting. Monitor its condition on an annual basis.	20+	B1
0257	Sycamore <i>Acer pseudoplatanus</i>	Semi Mature	11	280	3	3	4	3	3	Good	Good It has been planted into the streetscape and is located within a linear planter 5m north/south x 1.2m east/west. It has established well and the lower branches have been pruned/ removed in order to raise up its crown. There is some 'Horse Chestnut Scale' present.	Requires no work at the present time.	40+	A1

Tree No	Tree Species	Age	Ht (m)	TD (mm)	Crown Spread (m)				C. Ht (m)	Phys. Condition	Structural Condition/Comments	Works Required	Remaining Years	Category
					N	S	E	W						
		The following two trees are located on the eastern side of 'Marina Road' working from north to south.												
														
0258	Sycamore <i>Acer pseudoplatanus</i>	Semi Mature	12	210	3	3	3	3	2	Good	Good It is establishing well and is located within a 5m X 2m planter within the paved streetscape. It is establishing well and is a good quality tree. The lower branches have been pruned/ removed in order to raise up its crown.	Requires no work at the present time.	40+	A1
0259	Sycamore <i>Acer pseudoplatanus</i>	Semi Mature	10	160	3	3	3	2	2	Fair	Fair It is located within a linear planter 4m north/south x 2m east/west and has been under planted with shrubs which are being maintained. It is establishing well, although it is showing some signs of stress. The lower branches have been pruned/ removed in the past in order to raise up its crown. It has space to develop.	Requires no work at the present time.	20-40	B1

Tree No	Tree Species	Age	Ht (m)	TD (mm)	Crown Spread (m)				C. Ht (m)	Phys. Condition	Structural Condition/Comments	Works Required	Remaining Years	Category
					N	S	E	W						
0260	Oak <i>Quercus robur</i>	Semi Mature	10	250	2	2	2	2	3	Fair	Fair It has been planted in recent years as a semi-mature tree into a wide shrub border at the west side junction of Marine Rd. and Georges St. within a prominent location. It is a feather tree and is beginning to establish, although it is showing some signs of stress. It is still attached to the tree stays.	Monitor its condition on an annual basis. It requires ongoing watering and maintenance and the tree stump will need to be removed when necessary.	20+	B1
<p>The following two trees are located on the southern side of 'Georges Street' east of the junction with 'Patrick St.'</p> 														
0261	Hornbeam <i>Carpinus</i>	Semi Mature	9	140	1	1	1	1	3	Fair/ Good	Fair It has been planted into the streetscape into a	It will require repeat pruning to maintain	20+	C2



Tree No	Tree Species	Age	Ht (m)	TD (mm)	Crown Spread (m)				C. Ht (m)	Phys. Condition	Structural Condition/Comments	Works Required	Remaining Years	Category
					N	S	E	W						
	<i>Betulus</i>										prepared planting pit. The lower branches have been pruned/ removed previously to raise up its crown. It is located next to the traffic lights and its lower crown is beginning to interfere with these lights. Its crown has been heavily pruned in the past and has since been allowed to grow up.	clearance with the surrounding surfaces and traffic lights. The planting pit surface may need to be altered as this tree grows in size.		
0262	Hornbeam <i>Carpinus</i> <i>Betulus</i>	Semi Mature	8	90	1	1	1	1	2	Fair	Fair It has been planted into the streetscape into a prepared planting pit. The lower branches have been pruned/ removed previously to raise up its crown. Its crown has been heavily pruned in the past and has since been allowed to grow up. It is located next to the traffic lights and its lower crown is beginning to interfere with these lights.	Requires no work at the present time.	20+	C2
Planters 1-5	Amelanchier <i>Lamarckii</i> (8 in total)	Semi Mature	3	25	-	-	-	-	0.5	Fair	Fair They have been planted in recent times into the pavement as part of the upgrading/refurbishment of the streets. Each planter contains two Amelanchier with an under planting of Lavender. They are all multiple-stemmed forming small trees/ large bushes. Their side branches have been trimmed to maintain crown width.	They will require ongoing trimming/ maintenance of lower branches to maintain clearance with the surrounding surfaces / footpaths.	20+	C2

Tree No	Tree Species	Age	Ht (m)	TD (mm)	Crown Spread (m)				C. Ht (m)	Phys. Condition	Structural Condition/Comments	Works Required	Remaining Years	Category
					N	S	E	W						
														
0263	Bay Laurel <i>Laurus nobilis</i>	Semi Mature	4	90	-	-	-	-	1	Fair/ Good	Fair It is located in a planter 3m north/south x 2m east/west on Convent Rd. It has a clear stem to a height of c.1.5m with suckers developing from its base. It has been maintained as a formal shape.	Maintain basal suckers.	20+	C1
														

Tree No	Tree Species	Age	Ht (m)	TD (mm)	Crown Spread (m)				C. Ht (m)	Phys. Condition	Structural Condition/Comments	Works Required	Remaining Years	Category
					N	S	E	W						
<p>The following trees are located inside the boundary wall of 'St. Michaels Hospital'. It consists of 6No. Trees with three located on either side of the vehicle entrance. They have been planted into small planters within a 2m wide paved area between the boundary wall and the car parking spaces. These trees are starting to cause structural damage to the kerbs and the surrounding surfaces.</p> <div style="display: flex; justify-content: space-around;">   </div> <p>The following gives details on these trees.</p>														
0264	London Plane <i>Platanus × acerifolia</i>	Early Mature	16	500	4	5	3	4	3	Fair	Fair It is growing within a confined space inside the front boundary wall. Its crown has received some pruning previously to reduce its size in the past and again in more recent times to raise up its crown and to take back from the buildings. It currently has a low crown formation.	Carry out additional pruning to maintain clearance with the surrounding surfaces and structures. Remove the lighting attached to the main scaffold limbs and	20+	B2


Tree No	Tree Species	Age	Ht (m)	TD (mm)	Crown Spread (m)				C. Ht (m)	Phys. Condition	Structural Condition/Comments	Works Required	Remaining Years	Category
					N	S	E	W						
											remove any other dead/ unstable growth.			
0265	London Plane <i>Platanus × acerifolia</i>	Early Mature	15	310	5	4	3	3	3	Fair	Fair It forms a central tree within the line and its crown development and structure has been affected as a result. It has a low crown formation, in particular on the roadside and its crown size has been reduced previously and it has developed a new crown from the old pruning points. There is epicormic growth on the main trunk. It is growing within a confined space with the surfacing coming tight to its base.	Carry out pruning in order to improve clearance over the surrounding surfaces/ structures. Remove the lighting and ties attached to the scaffold limbs/ branches.	20+	B2
0266	Norway Maple <i>Acer platanoides</i>	Early Mature	15	450	5	4	4	5	3	Fair	Fair It is growing within a confined space and is causing structural damage to the surrounding surfacing. Its crown size has been reduced in the past and it has developed a new dense multiple-stemmed crown from these pruning points. The lower branches have also been pruned/ removed in order to raise up its crown.	It will require further pruning to maintain clearance with the surrounding surfaces. The Christmas lights should also be removed or adjusted on the scaffold limbs.	20+	B2
0267	London Plane <i>Platanus × acerifolia</i>	Early Mature	15	390	5	5	6	4	3	Fair / Good	Fair It is growing within a confined space with paving and low walls around its base with structural damage occurring to the surrounding surfaces. Its crown has been pruned/ reduced previously with a compact crown of regrowth developing, generally of a small size at present. It has a low crown formation.	It may require additional pruning of lower side branches in order to improve clearance over the surrounding surfaces. The lighting within its crown will need to be	20+	B2

Tree No	Tree Species	Age	Ht (m)	TD (mm)	Crown Spread (m)				C. Ht (m)	Phys. Condition	Structural Condition/Comments	Works Required	Remaining Years	Category
					N	S	E	W						
											removed or adjusted.			
											The surfacing around its base will need to be monitored to prevent trip hazards arising.			
0268	London Plane <i>Platanus × acerifolia</i>	Mature	15	450	5	5	3	4	3	Fair/Good	Fair It forms a central tree within a group of three trees and is being sheltered within this environment. Heavy Ivy cover on the main trunk is beginning to extend up into its crown. Pruning has been carried out on lower branches in order to raise up its crown previously. Its crown size has also been reduced previously with a new crown of growth developing from the old pruning points. It has a low crown formation extending over the surrounding surfaces.	It will require further pruning of lower side branches in order to maintain clearance with the surrounding surfaces. The Christmas lighting will need to be adjusted within its crown. The Ivy will need to be cut at ground level. The surfacing around its base will need to be monitored.	20+	B2
0269	London Plane <i>Platanus × acerifolia</i>	Early Mature	15	400	5	4	3	5	3	Fair/Good	Fair It is growing up within a group and its crown size has been reduced in line with the previous trees. The lower branches have also been pruned in order to raise up its crown, however it still has a low crown formation. It is growing within a confined	Remove or adjust the Christmas lighting within its crown. Carry out pruning to lower and side branches to achieve	20+	B2

Tree No	Tree Species	Age	Ht (m)	TD (mm)	Crown Spread (m)				C. Ht (m)	Phys. Condition	Structural Condition/Comments	Works Required	Remaining Years	Category
					N	S	E	W						
											space with surfacing around its base with structural damage occurring to the surrounding surfaces.	clearance over the surrounding surfaces/ structures. The surfacing around its base will need to be maintained.		
<p>The following trees are located on 'Library Road' to the south side of 'Georges Street'.</p> <div style="display: flex; justify-content: space-around;">   </div>														
0270	Lime <i>Tilia sp.</i>	Mature	15	520	7	4	3	5	2	Fair	Fair It is located on the east side of Library Road within the footpath and is growing in a confined space. The area around this tree has been resurfaced in recent years. It has received ongoing pruning to raise up its crown, in particular on the roadside and with the adjoining building, however its crown is beginning to grow up onto the building again. A	Prune crown in particular the lower branches in order to maintain clearance with the surrounding surfaces/ structures, in particular the building on the east side.	20+	C2

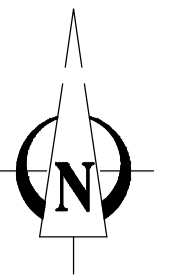
Tree No	Tree Species	Age	Ht (m)	TD (mm)	Crown Spread (m)				C. Ht (m)	Phys. Condition	Structural Condition/Comments	Works Required	Remaining Years	Category
					N	S	E	W						
										utility line runs through its middle crown also. I suspect that this tree was possibly pollarded/ cut at a height of 3.5m up in the distant past.	Remove any other dead/ unstable growth and remove lower epicormic growth. This tree may eventually outgrow this space and require removal or ongoing pruning to contain size.			
<p>The following trees are located on the western side of 'Library Road'.</p> <p>The assessment of these trees works from south to north back down to the junction with 'Georges Street'.</p>														
0271	Lime <i>Tilia sp.</i>	Early Mature	13	260	3	4	2	4	2	Fair	Fair / Poor It is planted into a paved area tight to the façade of the building. It has received heavy cutting back over the years in order to maintain clearance with the building and this has impacted on its crown structure. Its crown is beginning to grow in onto the building again. There is epicormic growth present. The ground levels would appear to have been raised around its base previously.	Prune crown to take back from the building and reshape. Remove lower epicormic growth and prune lower branches in order to improve clearance with the surrounding surfaces/ structures. This tree may eventually outgrow this space and require removal or ongoing pruning to contain size.	10+	C1

Tree No	Tree Species	Age	Ht (m)	TD (mm)	Crown Spread (m)				C. Ht (m)	Phys. Condition	Structural Condition/Comments	Works Required	Remaining Years	Category
					N	S	E	W						
0272	Lime <i>Tilia sp.</i>	Early Mature	13	260	4	3	3	3	2	Fair/ Good	Fair It is located within a paved area with a tree grill around its base. Minor damage/ lifting is occurring around the surrounding surfacing and tree grill. Its trunk diameter is beginning to grow out over the tree grill. There is a lot of epicormic growth on the lower trunk where the lower branches were pruned off in the past. Its crown is beginning to grow in onto the building. It has suffered storm damage within its crown on the southern side in recent winds.	Carry out pruning of lower epicormic growth in order to raise up its crown. Remove broken branches and prune to address any exposure. Prune back from the building The tree grill and the surfacing around its base will need to be adjusted in the short-term.	20+	B1
0273	Lime <i>Tilia sp.</i>	Mature	12	380	3	4	4	4	2	Fair	Poor It is located within a small opening within the footpath and is bordering with the road. Its crown size has been reduced heavily in the distant past with a new crown developing from the old pruning points. There is epicormic growth on the lower trunk where the lower branches have been removed to raise up its crown. It has suffered bark wounds on the lower trunk with substantial basal decay evident and this may have an impact on its stability. There is some structural damage occurring to the surrounding pavement.	Prune lower epicormic growth in order to raise up its crown. Monitor the basal decay and manage tree accordingly. The surfacing around the base will need to be adjusted.	10+	C1
0274	Horse Chestnut <i>Aesculus</i>	Mature	13	600	5	5	4	4	4	Fair	Fair It has been heavily cut/ pollarded at a height of c.4m in the past and a new multiple-stemmed crown	Enlarge the opening around its base to reduce pressure on the	10- 20	C1

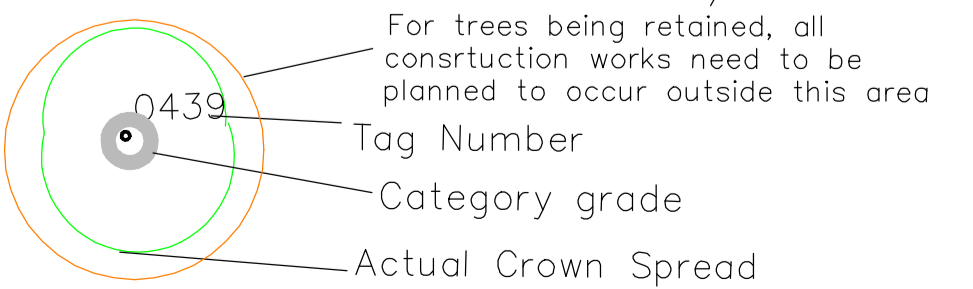
Tree No	Tree Species	Age	Ht (m)	TD (mm)	Crown Spread (m)				C. Ht (m)	Phys. Condition	Structural Condition/Comments	Works Required	Remaining Years	Category	
					N	S	E	W							
	<i>hippocastanum</i>									has been allowed to develop. Pruning has been carried out on lower branches in order to raise up its crown. It is growing on the footpath surface on a small opening with structural damage occurring to the surrounding surfacing.	footpath caused by tree base and roots.				
	Georges Street / Cumberland Street	<p>The following four trees are located within a paved surfaced area outside the 'Employment & Support Service' building on the south side of 'Georges St.'</p> <p>They are located within a paved area on the south side of the public footpath and consist of 2No. Whitebeam, 1No. Lime & 1 No. Purple Leaf Maple. They are growing within small openings within this paved area with some structural damage occurring to the surrounding pavement.</p>											The openings around the base of these trees could be enlarged to reduce pressure being caused by the tree root and the extent of structural damage.		
0275	Whitebeam <i>Sorbus aria</i>	Mature	8	360	3	3	4	4	3	Fair	Fair / Poor It is growing within confined space with girdling roots around its base. Its base is growing out over the original planting pit opening and it may be structurally weak as a result. It subdivides into three stems at a height of 1.8m up with an acute union formation between stems with included bark	Due to potential structural issues around its base, I would consider its removal to allow the neighbouring tree more space to develop and	<10	U	

Tree No	Tree Species	Age	Ht (m)	TD (mm)	Crown Spread (m)				C. Ht (m)	Phys. Condition	Structural Condition/Comments	Works Required	Remaining Years	Category
					N	S	E	W						
											present. It has received pruning previously, in particular on the east side in order to take back from the neighbouring building, leaving its crown more asymmetrical as a result. The lower branches have also been removed in the past in order to raise up its crown.	replacement planting.		
0276	Lime <i>Tilia cordata</i>	Semi Mature	9	180	3	2	3	3	2	Fair	Fair It has a slightly asymmetrical crown due to overcrowding/ competition from a neighbouring tree to its east (No. 0275). The lower branches have been pruned/ removed in order to raise up its crown. It is growing within a small opening within the paved area. Horse Chestnut Scale is present on the main trunk.	It would benefit from more space to grow/ develop.	20+	B1
0277	Whitebeam <i>Sorbus aria</i>	Early Mature	7	180	2	2	3	3	3	Fair	Fair It is growing within a small planting pit opening within the paved area and its roots are beginning to grow out over this opening. It is growing within a confined opening with cracks evident on the surrounding footpath. It has received pruning of lower branches in order to raise up its crown.	Requires no work at the present time. It would benefit from the enlargement of the opening in the pavement around its base.	10-20	C1
0278	Purple Leaf Maple <i>Acer platanoides</i> 'crimson king'	Early Mature	9	290	2	4	3	3	3	Fair/ Good	Fair It is growing within a small planting pit/opening within the paved area on the edge of the footpath. Some repair works have been carried out on the footpath and I suspect that roots have caused structural damage to the surrounding surfaces previously. It is one of the better trees within this	It would benefit from the enlargement of the opening in the pavement around its base to address pressure on the surrounding pavement.	20+	B1


Tree No	Tree Species	Age	Ht (m)	TD (mm)	Crown Spread (m)				C. Ht (m)	Phys. Condition	Structural Condition/Comments	Works Required	Remaining Years	Category
					N	S	E	W						
										tree line and its lower branches have been pruned/ removed in order to raise up its crown.	It will require further pruning of lower branches from time to time in order to maintain clearance.			



Notes:



BS5837: 2012 – Category Retention Rating

 **Category U Trees** –
Trees in such a condition that any existing value would be lost within 10 years or being recommended for removal sound arboricultural practice.

 **Category A Trees**
Trees of high quality/value with a min. of 40 years life expectancy.

 **Category B Trees**
Trees of moderate quality/value with a min. of 20 years life expectancy.

 **Category C Trees**
Trees of low quality/value with a min. of 10 years life expectancy.

Sub Categories
1 – Mainly Arboricultural values
2 – Mainly Landscape values
3 – Mainly cultural and conservation values.

ARBORIST ASSOCIATES LTD.

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TEL: 01-2742011 / 087-2629589

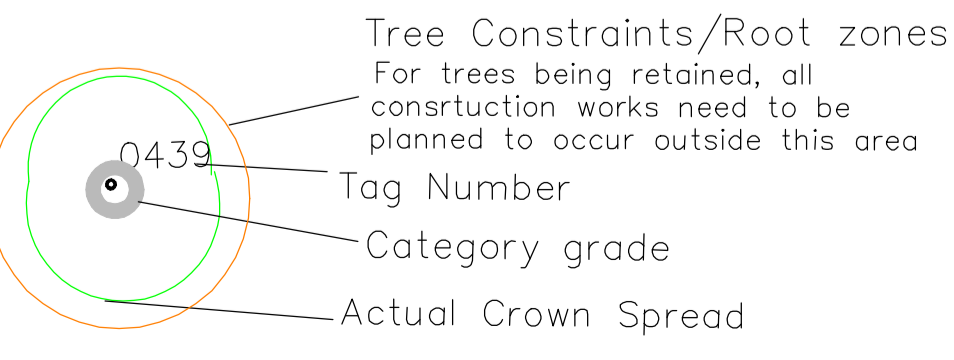
TITLE : Tree Constraints Plan

Site : Georges Street, Dun Laoghaire,
Co. Dublin



DATE:	Dwg No.GSD001 Overall Plan	Scale 1:1,250 © A1
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Notes:



BS5837: 2012 – Category Retention Rating

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 - 2 – Mainly Landscape values
 - 3 – Mainly cultural and conservation values.

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TITLE : Tree Constraints Plan

Site : Georges Street, Dun Laoghaire,
Co. Dublin

DATE:	Dwg No.GSD001 Part 1	Scale 1:500 © A1
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Notes:

- Tree Constraints/Root zones
For trees being retained, all construction works need to be planned to occur outside this area
- Tag Number
- Category grade
- Actual Crown Spread

BS5837: 2012 – Category Retention Rating

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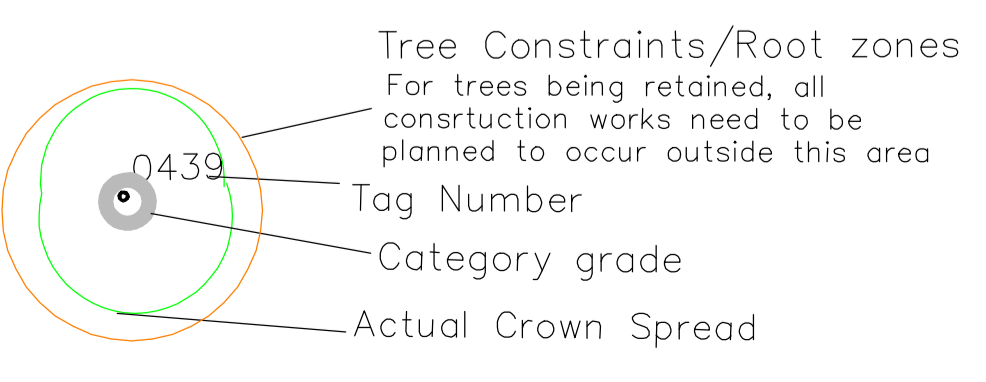
TITLE : Tree Constraints Plan

Site : Georges Street, Dun Laoghaire, Co. Dublin



DATE:	Dwg No.GSD001 Part 2	Scale 1:500 @ A1
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Notes:



BS5837: 2012 – Category Retention Rating

-  Category U Trees – Trees in such a condition that any existing value would be lost within 10 years or being recommended for removal sound arboricultural practice.
-  Category A Trees – Trees of high quality/value with a min. of 40 years life expectancy.

-  Category B Trees – Trees of moderate quality/value with a min. of 20 years life expectancy.

-  Category C Trees – Trees of low quality/value with a min. of 10 years life expectancy.
- Sub Categories
- 1 – Mainly Arboricultural values
 - 2 – Mainly Landscape values
 - 3 – Mainly cultural and conservation values.

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 TEL: 01-2742011 / 087-2629589

TITLE : Tree Constraints Plan

Site : Georges Street, Dun Laoghaire, Co. Dublin

DATE:	Dwg No.GSD001 Part 3	Scale 1:500 © A1
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