

# **Arborist Associates Ltd.**

## **A Condition Assessment of the Trees within 'Clarinda Park', 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: 8<sup>th</sup> September 2023**

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## 1.0 Instructions

1.1 I have been instructed by JB Barry & Partners Limited to assess the trees within 'Clarinda Park', Dùn-Laoghaire, Co. Dublin and report on the following:

- A -** To assess the present condition of the tree vegetation within this open park. See condition tree assessment schedule within 'Appendix 1' of this report and drawing No.CPD001 which have been prepared as a 'Tree Constraints Drawing' for details.

## 2.0 Report Limitations

2.1 The inspection 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 tree vegetation within 'Clarinda Park', Dùn-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.

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. Due to the condition of these trees, they should not be considered a constraint on the design layout of the proposed works within this area.

Any category ‘U’ trees identified within the site area have been shown on our drawing (No.CPD001) 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.CPD001) 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.CPD001) 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 on the development of these lands, but should be considered for retention where viable.

Any category 'C' trees identified within the site area have been shown on our drawing (No.CPD001) with a 'Grey' donut around their trunk positions.

- 3.5 The trees have been plotted onto the attached drawing (No.CPD001) by a land survey company and where not, they have been positioned by ourselves to the best of our ability and may not be fully accurate and these positions are 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 bordering roads 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 and into the adjoining soft landscaped areas, 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 around the grounds of the public open space known as 'Clarinda Park' which is surrounded on all sides by roads and housing. It has surfaced courts at its northern end and car parking down along both its eastern and western boundaries with a diagonal path running from south-east to north-west across the main open area.



Google aerial plan shows the open space and its surrounding environment.

- 4.2 The main part of this open space is in grass and is regularly mown and is in use recreationally. There is a mix of tree species present from those that formed part of the earlier planting which have been incorporated into its current layout and use to those that have been added in more recent years as part of the landscaping.

The original tree species include Lime, Sycamore, Cherry and Ash along with tree species such as Cherry, Hornbeam, London Plane, Oak and Cedar added in over the years and as a result, there is a mix of age classes present from those of a mature age class to those of a young age class, but very little in between. Many of the original mature trees have been impacted upon by past development/surfacing works and those most affected by these works have either been removed already or are showing signs of stress/decline within their crowns.

There is evidence of past management from the removal of trees completely to pruning works carried out to either reduce in size to address structural issues to the pruning of lower crowns in order to provide clearance over the surrounding surfaces and structures.

- 4.3 Within the overall site area, 44No.Trees were tagged individually (Nos.0204-0247) along with 2 Tree Lines numbered numerically.

<b>Category Grade</b>	<b>No. of Trees</b>
<b>Category U</b> 5 Trees	<b>Trees Nos.</b> 0209, 0211, 0232, 0237 & 0240.
<b>Category A</b> 1 Tree	<b>Tree Nos.</b> 0222
<b>Category B</b> 18 Trees + 1 Tree Line	<b>Tree Nos.</b> 0204, 0205, 0206, 0212, 0214, 0215, 0219, 0220, 0221, 0223, 0224, 0226, 0227, 0228, 0234, 0241, 0244 & 0245.  Tree Line No.1
<b>Category C</b> 20 Trees + 1 Tree Line	<b>Tree Nos.</b> 0207, 0208, 0210, 0213, 0216, 0217, 0218, 0225, 0229, 0230, 0231, 0233, 0235, 0236, 0238, 0239, 0242, 0243, 0246 & 0247.  Tree Line No.2
<b>Totals:</b>	<b>44 Trees + 2 Tree Lines.</b>

## 5.0 Management

- 5.1 All trees vegetation being retained within this site area 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.

- 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 that the soil and tree roots are not damaged by these 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 to the end users of this area. 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 within 'Clarinda Park', Dùn- Laoghaire, Co. Dublin.**

**Date: 8<sup>th</sup> 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:**

<b>Young:</b>	A tree, which has been planted in the last 10 years.
<b>Semi Mature</b>	A tree that is less than 1/3 the expected height of the species in question.
<b>Early Mature:</b>	A tree, which is between a 1/3 and 2/3's the expected height of the species in question.
<b>Mature:</b>	A tree that has reached the expected height of the species in question, but still increasing in size.
<b>Over Mature:</b>	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><b>A condition assessment of the trees on the grounds of 'Clarinda Park' Dun- Laoghaire, Co. Dublin.</b></p> <p><b>The assessment starts on the northern side of the park bordering with 'Clarinda Park North'.</b>                      The trees are located within a linear grass strip c.2.5m wide with a low wall located on their northern side with a road outside of this with a c.2m wide footpath on the inside and grass to the south of this and as a result, it is most likely that the roots of these trees have been contained to the south of these trees. The tree species consists of a mixture of original large, mature Lime trees with other tree planting added as part of the rejuvenation of this line of trees.</p> <p><b>The assessment starts at the western end and works in an eastwards direction along this boundary.</b></p>																			
					0204	Lime <i>Tilia sp.</i>	Mature	17	660	7	5	4	6	2	Fair/ Good	Fair It is located at the western end of the northern line. The footpath on the south side comes tight to within 1m of its base. There is a mass of basal suckers which	Remove dead/ unstable growth and maintain basal suckers.  It is likely to require further maintenance of the lower	20-40	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						
											have been cut previously with epicormic growth on the main trunk. It contains small to medium size deadwood throughout its crown. Its crown has been reduced previously with a new growth developing from the old pruning points.	epicormic growth on the lower branches in order to maintain clearance over the surrounding surfaces.		
0205	<b>Lime</b> <i>Tilia sp.</i>	Mature	17	570	5	5	3	4	1.5	Fair/ Good	Fair There is a mass of suckers growing from its base with lower epicormic growth. The lower branches, basal suckers and epicormic growth have all been maintained, however the regrowth from the basal suckers is limiting the visual assessment to some degree. It contains small to large size deadwood in crown. Its crown has been reduced previously with a new growth developing from the old pruning points. It forms a central tree within the line of mature trees. The footpath is located within c.1m of its base on the south side.	Remove dead/ unstable growth at the present time.  It will require further maintenance of basal suckers and the lower epicormic growth and the lower branches in order to maintain clearance with the surrounding surfaces.	20-40	B2
0206	<b>Lime</b> <i>Tilia sp.</i>	Mature	17	640	7	5	6	5	3	Fair/ Good	Fair It is located on a linear grass strip with the footpath close to its base on the south side. It forms a twin-stemmed tree from base with some basal suckers present which have been maintained and the lower epicormic growth has been cut previously. It contains small to large size deadwood in crown. Its height has been reduced previously with a	Remove dead/ unstable growth from within its crown.  Remove lower branches, lower epicormic growth and basal suckers to maintain clearance with the surrounding surfaces/ structures.	20-40	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						
											new crown of growth developing with tall, poorly tapered upright stems. It contains deadwood throughout its crown.			
0207	<b>Cherry sp</b> Prunus sp	Young	4	70	1	1	1	1	2	Fair	Fair It has been planted in recent times and is establishing well with the tree stake still present. It has suffered bark wounding around its base, most likely caused by the grass maintenance. The upper crown would appear to have died back and is beginning to re-establish.	Maintain a weed free area around its base.	20+	C1
0208	<b>Flowering Cherry</b> <i>Prunus kanzan</i>	Young	4	70	NA	NA	NA	NA	2	Fair	Fair It is establishing well with weeds around its base. It has suffered bark wounding on its lower trunk and base, most likely caused during the grass maintenance works.	Maintain a weed free area around its base.	20+	C1
0209	<b>Flowering Cherry</b> <i>Prunus kanzan</i>	Mature	8	470	4	4	6	6	2	Poor	Poor It is a large size tree with a broad, spreading crown formation. It has received some pruning, in particular on lower branches and its crown on the roadside to reduce its overhang and to raise up its crown. There is a lean on the main trunk with large size surface roots present with suckers developing. Its crown is in decline with a lot of dieback evident with deadwood throughout. This tree has limited future potential.	I would recommend its <b>removal</b> as part of management.	<10	U
0210	<b>Flowering</b>	Young	4.5	105	2	2	1.5	2	3	Fair	Fair	Mulch the area around its base	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						
	<b>Cherry</b> <i>Prunus kanzan</i>									It is establishing well with a lot of grass around its base. It has suffered bark wounding around its base, most likely caused during the grass maintenance works. The lower branches have been pruned in the past in order to raise up its crown.	to protect its base during the grass maintenance works.			
-	<b>Ornamental Cherry</b> ( 2 in total)	Young	-	-	-	-	-	-	-	Fair	Fair They are located between Tree Nos. 0210 & 0211 and they have been planted in recent times and are establishing well. There is a lot of weeds around their bases.	Mulch the area around their base to protect them during the grass maintenance works. Adjust and remove the tree tie and stakes as required.	20+	C1
0211	<b>Flowering Cherry</b> <i>Prunus kanzan</i>	Mature	6	310	5	3	3	5	2	Poor	Poor It is located on the linear grass verge and has suffered a lot of bark wounding at its base and at surface roots with decay developing into the underlying timber. It has received pruning of lower branches in order to raise up its crown over the surrounding surfaces. Its crown is in decline with a lot of dieback evident with deadwood present throughout. This tree has limited future potential.	I would recommend its <b>removal</b> as part of management.	<10	U
		<p><b>The following trees are located up along 'Clarinda Park East' and our assessment works from north to south.</b></p> <p>These trees are located on linear grass verges running between the public footpath on the east side and surfacing for the car parking on the west side. It consists of a mixture of trees from large mature prominent trees that form part of the original landscape planting to those that have been added since as part of the landscaping</p>												

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							
		works.													
		<p>The following three trees are growing on a small grass island between the kerb line of the car parking spaces and the public footpath on the east side.</p> <p>They are growing at close spacing to one another and are growing up together forming part of the one group/ canopy formation.</p>													
0212	<b>Sycamore</b> <i>Acer pseudoplatanus</i>	Mature	11	340	5	3	4	5	4	Fair	Fair Soil alterations have occurred around its base. Its crown is slightly thin in foliage and the lower branches have been pruned/ removed in the past in order to raise up its crown. It subdivides from a height of c. 0.75m up into a twin-stemmed tree.	Requires no work at the present time.	20+	B2	
0213	<b>Ash</b> <i>Fraxinus excelsior</i>	Early Mature	11	330	3	3	4	3	2	Fair	Fair/Poor It is growing up between two Sycamore trees and has been drawn up and out for the light due to overcrowding/ competition	Prune lower branches in order to improve clearance over the surrounding surfaces.	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						
											from neighbouring trees. It has an asymmetrical crown weighed to the east with a low crown formation out over the footpath. The top has either broken out or was removed at a height of c.3.5m up with a large decay wound developing at this point along with new growth to form its crown. It has a relatively full crown and is showing little signs of infection by 'Ash Dieback' ( <i>Hymenoscyphus fraxineus</i> ) at the present time. Due to structure, it may be prone to branches breaking as the re-growth grows in size.			
0214	<b>Sycamore</b> <i>Acer pseudoplatanus</i>	Mature	11	350	4	2	5	4	2	Fair	Fair It is growing up with Tree Nos. 0212 & 0213 and forms part of the one group canopy formation. It has possibly been left more isolated and open on the south side by the removal or failure of a tree previously. Soil alterations have occurred around its base. Its crown is slightly thin at present.	Requires no work at the present time.	20+	B2
-	<b>Hornbeam</b> <i>Carpinus Betulus</i>	Young	-	-	-	-	-	-	-	Fair	Fair It is located on a grass island and has been planted in recent times and is still attached to the tree tie and stake. It is struggling to establish with stress/ decline evident throughout its crown. There is grass around its base.	Mulch the area around its base to reduce competition and the potential for bark damage during the grass maintenance works.  Remove or adjust the tree tie and stake.	20+	C1
The following trees are located on the linear verge running between the public footpath to the east and														





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><b>kerb edge with the car parking to the west.</b>            These trees are located off centre within this linear grass strip and are closer to the edge of the footpath. They are a prominent line of trees of value to the treescape of this area. They are growing up together and provide support/ shelter to one another. There is evidence of previous soil disturbance on this linear strip of ground and this may have a knock-on effect on the health of these trees.</p>												
														
		<p>The following gives details on these trees working from north to south.</p>												
0215	<b>Lime</b> <i>Tilia sp.</i>	Mature	18	740	7	4	8	7	3	Fair/ Good	Fair It is a large prominent tree with some suckers growing from its base which have been maintained along with lower epicormic growth. It is growing up within a group environment and has suffered minor branch breakage in recent storms and contains hanging branches and small to medium size deadwood as a result. I suspect that it has been heavily reduced / topped in the past at	Remove dead/ unstable growth and lighten in heavy, exposed side limbs/ branches by c.1-2m. Prune lower branches in order to improve clearance with the surrounding surfaces.  Maintain 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						
											a height of c. 7m with a new crown developing from these pruning points.			
0216	<b>Sycamore</b> <i>Acer pseudoplatanus</i>	Mature	16	960	4	5	7	7	3	Fair	Fair/Poor Its crown is showing signs of thinning which is an indication of stress / decline related issues. It contains small to medium size deadwood throughout its crown. There is evidence of previous soil alterations around its base. There is an open decay cavity present at a height of c.1.6m up and the decay at this point is quite deep. There are other decay pockets present where lower limbs/ branches were removed previously. There are suckers developing from its base.	Remove dead/ unstable growth. Maintain basal suckers. Monitor its condition on an annual basis.	10-20	C2
0217	<b>Sycamore</b> <i>Acer pseudoplatanus</i>	Mature	13	340	1	5	5	4	2	Fair	Fair/Poor It is growing up within a group environment and is being sheltered by the surrounding trees. There is a slight lean on the main trunk, possibly due to being drawn up and out for the light. Soil alterations are evident around its base and its crown is showing signs of thinning with stress/ decline evident. It contains small to medium size deadwood within its crown. There are decay pockets at old pruning wounds where the lower limbs/ branches have been removed previously.	Remove dead/ unstable growth at the present time.	10-20	C2
0218	<b>Sycamore</b> <i>Acer</i>	Early Mature	15	310	4	0	0	4	2	Fair/ Poor	Fair It is growing up forming part of the group	Remove dead/ unstable growth.	10-20	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>pseudoplatanus</i>													
0219	<b>Sycamore</b> <i>Acer pseudoplatanus</i>	Mature	17	340	6		9	8	6	Fair	Fair It is a large prominent tree within this group and is of value to the group canopy structure. Multiple-stemmed from near base and has suffered previous soil alterations/ disturbances. Its crown is relatively full in comparison to the previous trees with evidence of past historic pruning. The lower limbs/ branches have also been removed to raise up its crown with some decay pockets developing at the old pruning wounds. It contains deadwood in crown, generally of a small to medium size.	Remove dead/ unstable growth.	20+	B2
0220	<b>Sycamore</b> <i>Acer pseudoplatanus</i>	Mature	17	850	5	6	8	7	3	Fair	Fair It is a large prominent tree within this tree line and is of some value to the group canopy structure. The lower limbs/ branches have been removed in order to raise up its crown with decay wounds at the old pruning points. Its crown is showing	Remove dead/ unstable growth and remove the wire attached to the lower scaffold limb on the south side.	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						
											signs of slight thinning with some signs of stress/ decline with deadwood throughout, generally of a small to large size.			
0221	<b>Sycamore</b> <i>Acer pseudoplatanus</i>	Mature	15	440	2	4	4	3	3	Fair	Fair It is growing up with Tree No. 0220 with an asymmetrical crown as a result. It is being sheltered within its present group environment and has possibly been left more open by the loss of a tree on the south-side previously. Its crown is showing signs of thinning with deadwood throughout, generally of a small to medium size. The basal suckers have been maintained. There are decay pockets at the old pruning points.	Remove dead/ unstable growth.	20+	B2
-	<b>Oak</b> <i>Quercus robur</i> <b>Yew</b> <i>Taxus baccata</i>	Young	-	-	-	-	-	-	-	Fair	Fair They are located between Tree Nos. 0221 & 0222 and have been planted in recent times. They are still attached to their tree ties and stakes and are beginning to establish.	Adjust their tree ties and stakes as required as they grow in size.  Mulch the area around their bases.	20-40	C1
0222	<b>Norway Maple</b> <i>Acer platanoides</i>	Early Mature	11	290	3	3	3	3	2	Good	Fair/ Good It is a good quality replacement tree and it is establishing well. It has a full crown and the lower branches have been pruned previously in order to raise up its crown.	Requires no work at the present time.	40+	A1
0223	<b>Sycamore</b> <i>Acer pseudoplatanus</i>	Mature	13	590	6	6	5	6	4	Fair	Fair It is located on the edge of the grass strip bordering with the footpath. There are	Remove dead/ unstable growth at the present time.	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						
										some decay wounds at the old pruning wounds up along the main trunk. Previous soil alterations are evident around its base. It has a relatively full crown with deadwood throughout, generally of a small to medium size. It has grown around an iron bar on the lower trunk.	It is likely to require further pruning to maintain clearance over the surrounding surfaces.			
0224	<b>Blue Cedar</b> <i>Cedrus Atlantica</i> 'Glauca'	Early Mature	11	250	5	5	5	5	1	Good	Fair It is located on a small island within the surfaced car parking area. It has a low crown, however the lower branches have been pruned/ removed previously in order to raise up its crown. It has suffered minor branch breakage throughout its crown. It subdivides into multiple-stems at a height of c. 0.5m up. The roots of this tree may cause structural damage to the surrounding surfaces in time as they grow in size. It has suffered a bark wound on the lower trunk and base on the southern side exposing the underlying to decay.	Remove lower deadwood and branch stubs.  It will require further ongoing pruning to maintain clearance over the surrounding surfaces.	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						
														
<b>Tree Line No. 1</b>	<b>Sycamore</b> <i>Acer pseudoplatanus</i> <b>Monterey Cypress</b> <i>Cupressus macrocarpa</i>	Mature	17	400	7	7	7	7	2	They are located along the southern boundary of the park on the adjoining property and they are cordoned off from the park by a low wall and railing. They are of prominence within the treescape as a tree line within this area and add to the sylvan character. Their crowns overhang the boundary into the park. 	The management of this tree line is located outside the control of this site area.	20+	B2	
The following trees are located within the park.														

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						
														
<b>Tree Line No. 2</b>	<b>London Plane</b> <i>Platanus × acerifolia</i> (6 in total) <b>Sycamore</b> <i>Acer pseudoplatanus</i> <b>Fir</b> <i>Abies sp.</i> <b>Oak</b> <i>Quercus robur</i>	Young	5	70	2	2	2	2	2	Fair	Fair It consists of a wide spacing double line of trees planted on either side of the centre pathway. They are still attached to their tree ties and stakes and are beginning to establish. One of these trees has been broken. There are weeds growing around their bases.	Mulch the area around their bases to protect them during the grass maintenance and to reduce competition.  Adjust tree ties and stakes as they grow.	-	C2
0225	<b>Deodar Cedar</b> <i>Cedrus deodara</i>	Semi Mature	7	180	1	2	2	1	0	Good	Good It is establishing well with a slightly asymmetrical crown with a branch formation down to ground level with an acute union formation between some branches. It has	Remove lower branches to a height of c. 1.5m in order to raise up its crown in order 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						
										the potential to make a good quality long-term tree within this park.	It would also benefit from formative pruning of its crown to address structural issues between the branches.  Mulch the area within its crown spread.			
		<p><b>The following trees are growing within an open group and would have initially formed part of a larger group of trees.</b> Some trees have either failed or have been removed which has opened up this group and has isolated the remaining trees. As a group, in particular the following three Sycamore trees are of high prominence within the treescape of this area. There is evidence of previous soil alterations / disturbances around the base of these trees.</p>												
														
0226	<b>Sycamore</b> <i>Acer pseudoplatanus</i>	Mature	20	940	3	8	8	4	4	Fair	Fair It initially formed part of a denser group of trees but has been left more open with an	Requires no work at the present time.	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						
											asymmetrical crown weighed to the south-east. It has a relatively full crown with minor deadwood throughout.			
0227	<b>Sycamore</b> <i>Acer pseudoplatanus</i>	Mature	19	620	4	7	9	3	4	Fair	Fair It forms part of the group canopy formation with Tree No. 0226 with an asymmetrical crown weighed out to the east. It has been left more open/ exposed by the loss or failure of trees on the west side. It contains minor deadwood throughout its crown. Soil level changes have occurred around its base. There is a decay cavity present at an old pruning wound at a height of c. 3.5m.	Requires no work at the present time.	20+	B2
0228	<b>Sycamore</b> <i>Acer pseudoplatanus</i>	Mature	20	840	8	4	10	4	4	Fair	Fair It forms part of the group canopy formation, but has been left more open/ exposed by the removal or failure of trees to its west and south. It has an asymmetrical crown weighed to the north and north-east and the lower branches have been pruned/ removed in order to raise up its crown and to take back its crown from the lighting with the tennis courts. It has suffered branch breakage in recent winds / storms and contains deadwood within its crown.	Remove dead/ unstable growth and lighten in heavy exposed side limbs/ branches, in particular those extending towards the courts by c. 1-2m.	20+	B2
0229	<b>Ash</b> <i>Fraxinus excelsior</i>	Mature	21	900	5	6	4	5	4	Fair/ Poor	Fair It is a large size tree located next to the tennis courts and it has possibly been impacted upon by the previous construction/	Remove dead/ unstable growth and prune crown to improve its shape/ balance.	10+	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						
										development works on the tennis courts which may have caused soil and root damage. It is showing signs of decline/ dieback throughout its crown, most likely due to infection by 'Ash Dieback'. It has received pruning previously to raise up its crown and to reduce its crown size in particular on the court side. It contains deadwood throughout its crown and it is suckering from base.	Remove basal suckers. Monitor its condition on an annual basis.			
0230	<b>Deodar Cedar</b> <i>Cedrus deodara</i>	Semi Mature	5	160	2	2	2	2	0	Fair/ Good	Fair The central leader has broken out previously with the two side shoots taking the dominant position with a decay wound at the point of breakage. It has suffered a small size bark wound at its base. It has a low branch formation. This tree has the potential to form part of the long-term tree cover within this area.	It would benefit from formative pruning to address its crown shape/ structure.  It may also require some pruning from time to time in order to maintain clearance over the surrounding surfaces.  Mulch the area around its base.	40+	C1
	<b>Oak</b>	Young	-	-	-	-	-	-	-	Fair	Fair	Mulch the area around its base.	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						
	<i>Quercus robur</i>										Located between Tree Nos. 0230 & 0231. It has been recently planted into this area and is beginning to establish. There are weeds growing up around its base.			
0231	<b>Cherry</b> <i>Prunus kanzan</i>	Mature	8	450	7	5	5	5	2	Fair	Fair The lower branches have been pruned/ removed in order to raise up its crown, however it still has a low crown formation. It has a relatively full crown, however some thinning is evident.	It will require further pruning to maintain clearance over the surrounding surfaces and to take back from the public lighting to the north-west. There are some surface roots present.	10-20	C1
0232	<b>Horse Chestnut</b> <i>Aesculus hippocastanum</i>	Mature	20	1100	8	6	7	8	2	Fair/ Poor	Poor It is a large, prominent visual tree located within the open park. It is in declining health with a lot of stress/ decline evident throughout. It is infected by 'Bacteria Canker of Horse Chestnut '(Pseudomonas syringae pv. aesculi ) with 'Horse Chestnut Leaf Blight ' (Guignardia aesculi). also present. There are large areas of dead bark present on the main trunk and scaffold limbs, in particular on the main trunk from ground level up to a height of 2m with extensive decay developing at this point which is likely to impact on its stability as a result. This tree is of low vigour and is unlikely to respond well to pruning.	<b>Two Management Options:</b>  <b>1:</b> To retain for the present time reduce crown in order to reduce height in particular by 3m and prune the remaining crown to reshape/ balance.  <b>2:</b> To remove completely.	<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						
														
0233	<b>Deodar Cedar</b> <i>Cedrus deodara</i>	Semi Mature	5	150	2	2	2	2	0	Fair/ Good	Fair It has a branch formation down to ground level with weeds growing up into its lower crown. The lower branches on the east side have been broken off previously, creating an opening within its crown.	It would benefit from the pruning of lower branches in order to raise up its crown and this would also help to rebalance its crown.  It may require some additional formative pruning as it grows in size in order to establish a dominant leader.  Mulch the area around its base.	20-40	C1
-	<b>Rowan</b> <i>Sorbus aucuparia</i> <b>Oak</b> <i>Quercus robur</i>	Young	-	-	-	-	-	-	-	Fair	Fair They are located between Tree Nos. 0233 & 0234. They have been planted in recent times and are still attached to the tree stakes and ties with grass growing around their bases.	Mulch the area around their bases to protect them during the grass maintenance. Adjust or remove their tree stakes as required.	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						
0234	<b>Sycamore</b> <i>Acer pseudoplatanus</i>	Early Mature	15	500	5	5	5	5	2	Fair	Fair It is located on the grass area with the footpath located on the northern side within close proximity. There are some cracks on the footpath which may be associated with roots coming from this tree. It has a low crown, however its crown has been pruned previously. It is growing up forming part of the group canopy formation with trees located to the south within the neighbouring property. There is a decay wound in mid crown where limbs have broken out previously. A broken branch from a neighbouring tree is also lodged within its upper crown.	Remove the broken branch and prune lower crown in order to improve clearance with the surrounding surfaces.  Maintain basal suckers.	20+	B2
<p>The following trees are located on a narrow 3m wide linear grass strip which runs north to south between the public footpath to the west and the roadway and car parking spaces to the east along 'Clarinda Park West'.</p>														



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>There is some evidence of previous soil alterations within this area and this may have an impact on the health of these trees. It consists of a mixture of tree species including Ash and Sycamore with some inter-planting in more recent years with Sycamore. They are a prominent line of trees of value to the treescape of this area.</p>  <p>The assessment of these trees works from south to the north.</p>												
0235	<b>Sycamore</b> <i>Acer pseudoplatanus</i>	Young	4	70	1	0.5	0.5	0.5	2	Good	Good It was planted in more recent years and is still attached to the tree tie and stake with damage being caused to the lower trunk as a result.	Remove the tree tie and stake or readjust if necessary.  Mulch the area around its base.	40+	C1
0236	<b>Sycamore</b> <i>Acer pseudoplatanus</i>	Young	4	70	NA	NA	NA	NA	2	Fair	Fair There are weeds growing up through its tree guard around its base. Epicormic growth is present on the lower trunk. It is growing out through the tree guard and the tree tie is becoming tight.	Remove epicormic growth on the main trunk. Remove or adjust the tree tie.	20-40	C1
0237	<b>Ash</b>	Mature	14	710	7	7	5	5	2	Fair/ Poor		<b>Two Management Options:</b>	<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						
	<i>Fraxinus excelsior</i>									Poor	Deep basal decay is present and extending below ground into its root plate. Its crown has developed from a high stump that was cut down previously. The regrowth is becoming strong with decay at the old pruning points creating a structural weakness. Its crown is showing signs of decline/ dieback throughout, most likely due to the onset of infection by 'Ash Dieback' ( <i>Hymenoscyphus fraxineus</i> ). There is a small amount of structural damage occurring to the footpath opposite this tree on the west side.	<p>1: To remove completely now and replant.</p> <p>2: Retain and reduce in all heavy side limbs/ branches by up to 2m to try and address the structural issues and to retain for the short-term.</p> <p>Prune lower branches in order to raise up its crown over the surrounding surfaces.</p> <p>It is likely to require removal in the short-term.</p>		
0238	<b>Sycamore</b> <i>Acer pseudoplatanus</i>	Mature	14	520	3	5	6	7	2	Fair	Fair It is located on the side of the embankment and has possibly been impacted upon by the previous development works within this area. Its crown is slightly thin in foliage with deadwood throughout, generally of a small size. The lower branches have been pruned/ removed in the past in order to raise up its crown.	Requires no work at the present time.	10-20	C2
0239	<b>Sycamore</b> <i>Acer pseudoplatanus</i>	Mature	14	540	5	3	7	7	3	Fair	Fair It is growing on the side of a bank and has possibly been impacted upon by previous soil disturbance. It forms a twin-stemmed tree from c. 1m up and the western stem	Remove dead/ unstable growth from within its crown.	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						
											has a large column of decay from this union extending to a height of c. 3.5m up with good callous growth around this wound. It contains small to medium size deadwood in crown. Its crown is showing signs of thinning, possibly due to stress related issues, and associated with previous soil disturbance. The lower branches have been pruned/ removed in the past in order to raise up its crown.			
-	<b>Ash</b> <i>Fraxinus excelsior</i>	Young	-	-	-	-	-	-	-	-	Located between Tree Nos. 0239 & 0240. It is recently planted and is establishing well.	Mulch the area around its base.	10-20	C1
0240	<b>Ash</b> <i>Fraxinus excelsior</i>	Mature	14	920	4	5	6	5	3	Fair/ Poor	Poor It consists of a tall stump with regrowth developing. Extensive decay is present on the main trunk and extending down into its base, creating structural issues. Its crown size has been reduced in recent times in order to reduce in size. It is showing minor signs of decline/ dieback within its crown as a result of 'Ash Dieback' ( <i>Hymenoscyphus fraxineus</i> ). There are other decay wounds up along the main trunk and at old pruning points where it was heavily cut back in the past. This tree has limited future potential.	I will most likely need to be <b>removed</b> in the short-term as the most appropriate management option.  Monitor its condition on an annual basis.	<10	U
0241	<b>Horse Chestnut</b> <i>Aesculus</i>	Mature	14	610	4	4	6	4	2	Fair	Fair It is growing on the side of a bank with a compact crown. The lower branches have	Maintain basal suckers.  It will require further pruning to	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						
	<i>hippocastanum</i>										been pruned/ removed in the past in order to raise up its crown, although it still has a low crown formation and its crown size has been reduced previously. The basal suckers have been maintained. It has suffered bark wounding on the lower trunk.	maintain clearance with the surrounding surfaces..		
0242	<b>Sycamore</b> <i>Acer pseudoplatanus</i>	Mature	15	330	4	4	5	5	3	Fair	Fair / Poor It forms a twin-stemmed tree from base and is growing on top of the bank. It has possibly been impacted upon by the previous soil disturbance works.. The basal suckers have been maintained with an area of dead bark on the lower trunk and base with Sooty Bark disease ( <i>Cryptostroma corticale</i> ) present. Its crown is relatively full, however it is showing some signs of thinning associated with stress/ decline. It contains small to medium size deadwood within its crown.	Remove dead/ unstable growth and maintain basal suckers.  Monitor its condition on an annual basis.	10-20	C2
-	Oak	Young									Located between Tree Nos. 0242 & 0243. It has been planted in recent times and is still attached to the tree tie and tree stake and is struggling to establish.	Mulch the area around its base.	-	C1
0243	<b>Sycamore</b> <i>Acer pseudoplatanus</i>	Mature	14	620	3	4	3	4	3	Fair	Fair It is growing on a raised linear strip of ground with evidence of previous soil disturbance. The lower limbs/ branches have been removed over the years in order to raise up its crown with some decay	Requires no work at the present time.	10-20	C2

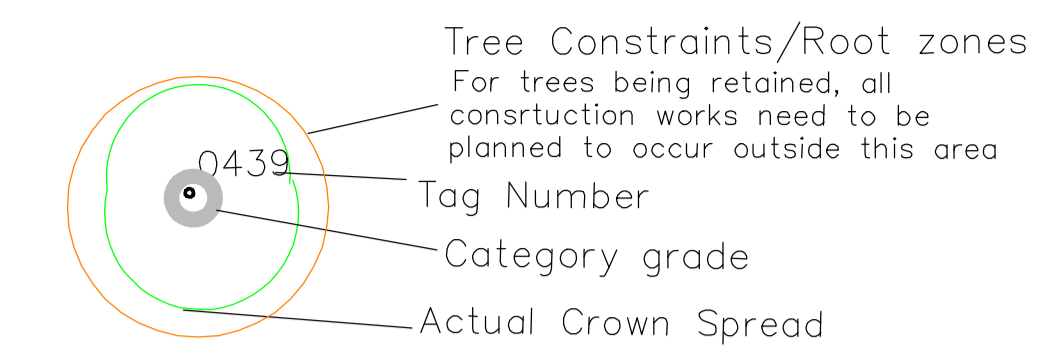
Tree No	Tree Species	Age	Ht (m)	TD (mm)	Crown Spread (m)				C. Ht (m)	Phys. Condition	Structural Condition/Comments	Works Required	Remaining Years	Category
					N	S	E	W						
											wounds present. Its crown is thinning, an indication of stress/ decline issues. It contains minor deadwood within its crown.			
0244	<b>Sycamore</b> <i>Acer pseudoplatanus</i>	Mature	14	460	4	3	4	5	6	Fair	Fair It is located on a slightly raised grass strip and has suffered previous soil disturbance around its base. The lower branches have been pruned, removed previously in order to raise up its crown. Its crown is showing minor signs of thinning, possibly an indication of stress related issues. The lower branches have been removed previously and it contains deadwood within its crown, generally of a small to medium size.	Remove dead/ unstable growth.	20+	B2
0245	<b>Sycamore</b> <i>Acer pseudoplatanus</i>	Mature	14	830	6	6	5	6	3	Fair	Fair It forms the end tree within this tree line at the northern end of the mature trees. It contains small to medium size deadwood within its crown. I suspect that it has possibly been impacted upon by the previous development works. It has a relatively full crown at the present time. The lower branches have been pruned/ removed in the past to raise up its crown with some decay pockets at the old pruning wounds.	Remove dead/ unstable growth from within its crown.	20+	B2
0246	<b>Sweet Chestnut</b> <i>Castanea sativa</i>	Young	5	60	1	1	1	1	2	Fair	Fair It has been planted in recent times and is still attached to the tree tie and stake. It is	It would benefit from mulching around its base and from watering during dry periods.	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						
										struggling to establish and is showing some signs of stress/ decline throughout its crown with minor tip-dieback also evident.				
0247	<b>Flowering Cherry</b> <i>Prunus kanzan</i>	Mature	10	260	4	5	3	4	2	Fair/ Poor	Fair/ Poor It is located on a linear grass strip along the western boundary of the tennis court. Grass is growing around its base and it has suffered bark wounding on the lower trunk. It has suffered limb failure at a height of 2m up due to a weak union formation. It crown is thinning and is showing signs of decline/ dieback throughout.	Prune lower branches in order to improve clearance with the tennis court fence.  Monitor its condition on an annual basis.	10+	C1





# 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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**TITLE :** Tree Constraints Plan

**Site :** Clarinda Park, Dun Laoghaire, Co. Dublin

<b>DATE:</b>	Dwg No.CPD001	Scale 1:500 @ A1
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