



think trees

P. F. Melarange | ARBORICULTURAL CONSULTANCY LTD

Tree Condition & Management Report

Hertford Heath Parish Council | 24 April 2016

Client:	<i>Hertford Heath Parish Council</i>
Contact:	<i>Jo Hole (Parish Clerk)</i>
Site:	<i>Report covers multiple sites</i>
Prepared by:	<i>Paul Melarange BSc (Hons) M.Arbor.A</i>
Date:	<i>24 April 2016</i>
Version	<i>01</i>

P. F. Melarange Arboricultural Consultancy Ltd. has prepared this document in accordance with the instructions of its client, Hertford Heath Parish Council for their sole and specific use. Any other persons who use any information contained herein do so at their own risk.



© P. F. Melarange Arboricultural Consultancy Ltd 2016
68 Chantry Road, Bishop's Stortford, Herts, CM23 2SG
Tel: 01279 758645
www.thinktrees.co.uk

Summary

P. F. Melarange Arboricultural Consultancy Ltd. has been instructed by Mrs Jo Hole (Parish Clerk) of Hertford Heath Parish Council to inspect the significant trees located on all of the open spaces owned and maintained by the Parish Council, and to produce a report in respect of their condition and management requirements.

Site visits were carried out on 17 and 18 March 2016. A total of sixty-six trees including fifty-one individual trees and three groups of trees were inspected. Two trees require work to be carried out within the next month and nine require work to be carried out within the next six months. A further five trees require work to be carried out within the next year.

Many of the trees are in close proximity to roads, pavements, recreational areas and residential properties. It is, therefore, advised that the trees be re-inspected every two years, by a suitably qualified, experienced and insured arboriculturist.



Contents

1	Introduction.....	4
1.1	Instruction.....	4
1.2	Documents and information provided.....	4
1.3	Sites.....	4
1.4	Site visits.....	4
1.5	Tree observations.....	4
1.6	Survey method.....	4
1.7	Limitations.....	5
2	Population Analysis.....	6
2.1	Species diversity.....	6
2.2	Age class distribution.....	7
2.3	Health.....	8
2.4	Life expectancy.....	9
3	Appraisal.....	10
3.1	Trees 1-9 located on Mount Pleasant Green.....	10
3.2	Tree No. 17 (cherry) located on Mount Pleasant Green.....	10
3.3	Tree 16 (silver birch) located on the main village green.....	11
3.4	Statutory tree protection.....	11
4	Recommendations.....	11
4.1	Specific recommendations.....	11
4.2	Tree surgery.....	11
4.3	Planting.....	11
4.4	Re-inspections.....	11



Appendices

Appendix 1 *Tree schedules*

Appendix 2 *Plans*

1 Introduction

1.1 Instruction

P. F. Melarange Arboricultural Consultancy Ltd. has been instructed by Mrs Jo Hole (Parish Clerk) of Hertford Heath Parish Council to inspect the significant trees located on all of the open spaces owned and maintained by the Parish Council, and to produce a report in respect of their condition and management requirements.

1.2 Documents and information provided

Mrs Jo Hole took me round all of the sites prior to the survey being undertaken.

1.3 Sites

Tree surveys were undertaken at the following sites:

Mount Pleasant Green

The Main Village Green

War Memorial Green

Allotment land (West of London Road)

Pindar Green

The Playing Field

1.4 Site visit

Site visits were carried out on 17 and 18 March 2016. All observations were from ground level without detailed investigations and all dimensions were estimated unless otherwise indicated. The weather at the time of inspection was clear and still, with good visibility.

1.5 Tree observations

A visual inspection was made of the significant trees. Appendix 1 contains information on their species, dimensions and condition.

1.6 Survey method

With the exception of the those on the Allotment Land, the locations of all the significant trees and groups of trees were mapped onto a digital ordnance survey plan using GIS software. Each tree and group was assigned a number. They were then inspected and the necessary attributes were recorded. All the information was recorded in a database using a tablet computer. The recommendations for management and the priority of such, made for each tree, are based upon an assessment of the target combined with the severity of the defects possessed by the tree. For example: work required to remedy a minor defect present in a tree located in an area that is rarely visited, would be considered to be of the lowest priority. Conversely, work required to remedy a major defect on a tree located next to a high value target such as a busy road, would be considered to be of the highest priority.

A visual inspection was made of all the trees on the Allotment land. However, only those trees that require work within the next two years were recorded.

1.7 Limitations

This report is only concerned with assessing the condition and management requirements of those trees located within the curtilage of the six sites listed in section 1.3.

This report takes no account of whether the trees could affect the soil in the area in such a way as to cause buildings or other structures to suffer tree-related subsidence or heave damage.

This report is based on the information collected during the site visit.

This report contains recommendations concerning work that should be carried out to manage responsibly, the risks posed by the trees, and reduce such risks to an acceptable level. Even after the recommended work has been carried out some trees could still fail but it is unlikely that they will cause significant harm unless the weather conditions are extreme and/or there are major hidden defects.

This report doesn't take into account potential extreme climatic events not normally expected in this locality. Such events could include, but aren't restricted to, severe windstorms, floods or drought. This report also doesn't take into account potential outbreaks of pests or diseases.

Operations carried out in the vicinity of the trees, either in the past or future, could affect their health and stability; such operations could include, but aren't restricted to, trenches dug for the installation or repair of utilities.

No decay detection equipment was used to help gather the data used in this report.



2 Population Analysis

A total of 66 trees were inspected, including 51 individual trees and 15 trees in 3 groups.

2.1 Species diversity

Figure 1 below demonstrates that there is a good range of species across the six sites. Populations of trees with a greater diversity of species are generally more robust than those with a limited range of species, as the impact of species-specific pathogens such as Dutch Elm Disease is greatly reduced.

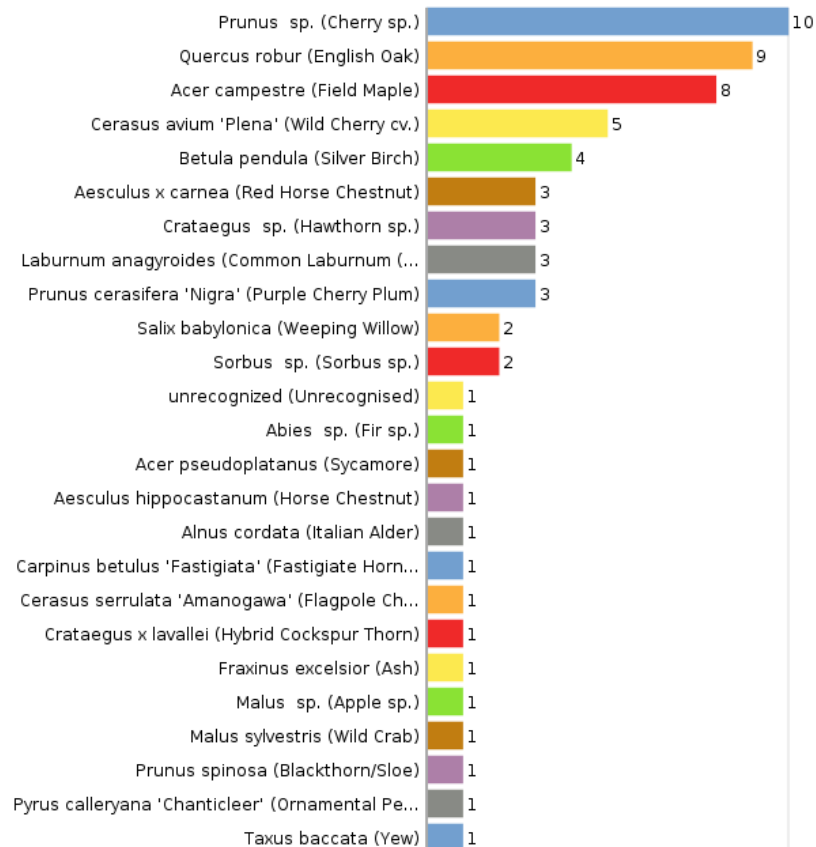


Figure 1: Species diversity



2.2 Age class distribution

Figure 2 below demonstrates that there is a good distribution of age classes. It is important to have a range of age classes within a tree population, this ensures continuity both in terms of landscape and ecological benefit. Populations that consist of predominantly mature and late-mature trees are likely to decline at a similar rate, therefore, leaving a gap of many years before the benefits that they provide are replaced by those that are newly established.

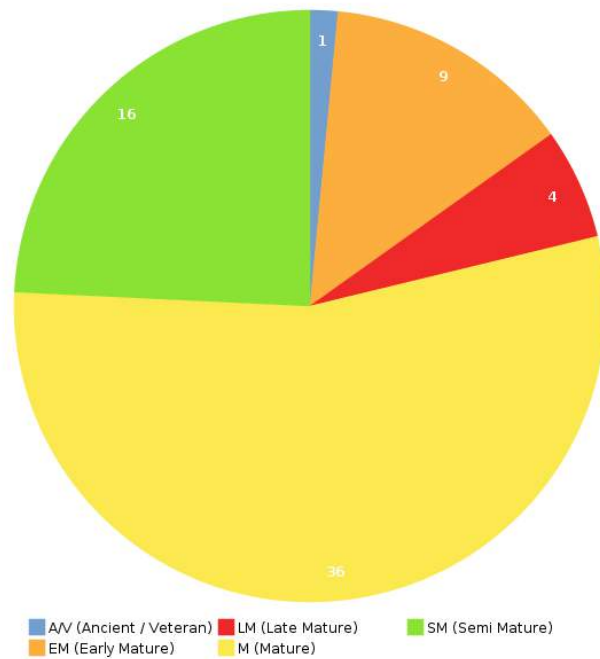


Figure 2: Age class distribution

2.3 Health

Figure 3 below demonstrates that the majority of the trees across the six sites are of normal/high vitality. Trees with reduced vitality are more likely to be susceptible to pathogens, which may lessen their life expectancy and compromise their structural integrity.

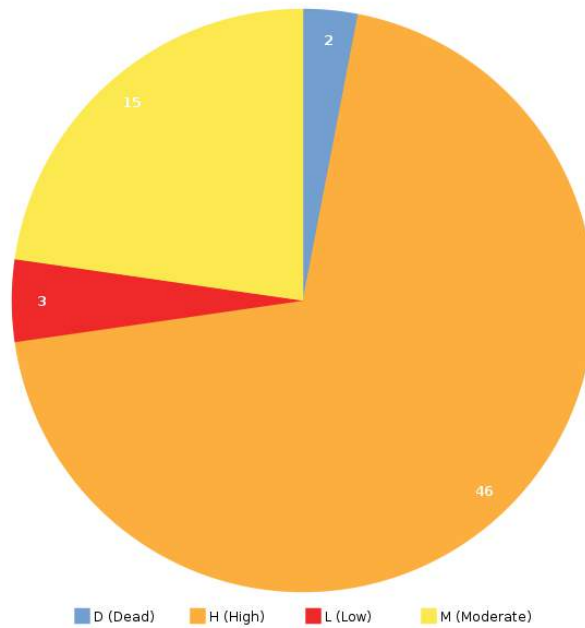


Figure 3: Health



2.4 Remaining contribution

Figure 4 below demonstrates the estimated remaining contribution/life expectancy of the trees across the six sites. This is based upon their current vitality, age and structural condition. Changes in climate, pests, diseases and land use may all affect these estimates. A chart showing the variation in remaining contribution (years) has been included in this document to aid the long-term management of the trees, particularly when considering the allocation of budgets to cover the costs of potential tree works.

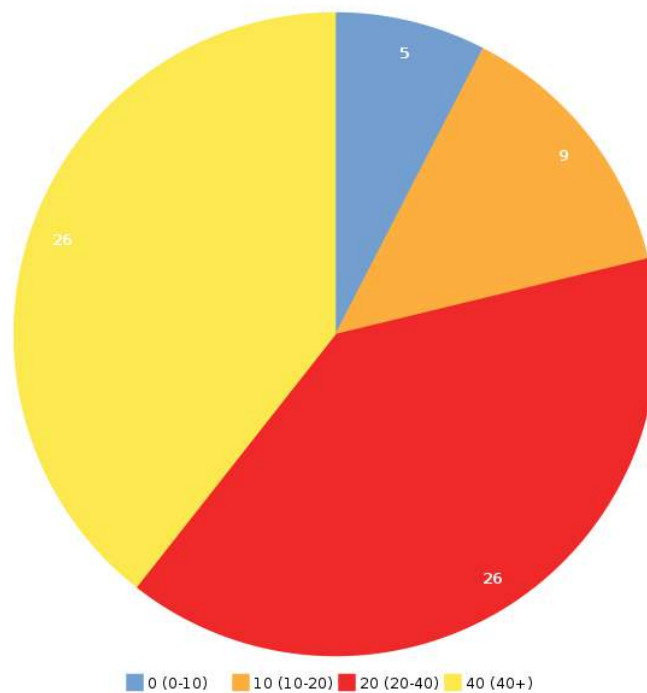


Figure 4: Remaining contribution (years)

3 Appraisal

3.1 Trees 1-9 located on Mount Pleasant Green

Trees 1-9 are located at the eastern end of Mount Pleasant Green near to the boundary with the neighboring property. The crowns of several of the trees extend beyond the boundary and have been the cause of much annoyance to the owners of the adjacent house. There is no legal obligation on a landowner to prune or reduce vegetation on their property if it overhangs a neighboring property. The reason being that the owner of the affected property has the common law right to cut the material back to the boundary. However, if overhanging vegetation is causing damage to a neighboring property it can be deemed a legal 'nuisance'. In the case of 'nuisance' the vegetation owner would be obligated to abate the nuisance and pay the costs for the repairs of any damage caused.

3.2 Tree No.17 (Cherry) located on Mount Pleasant Green

Tree 17 is a mature cherry (Figure 5) located on the section of Mount Pleasant Green between the road and house No.19. Fruiting bodies consistent with those of the fungus *Ganoderma sp.* were observed at the base on the north. When tested with a mallet, the base sounded hollow. Further investigation using a probe confirmed that there is extensive decay at the base on the south-east side. The decay is likely to effect the fracture stability of the tree and increase its risk of failure. However, the tree leans to the east (away from the road) by approximately 17° from vertical. Consequently, if the tree fails it is unlikely to cause damage or harm. It is recommended, therefore, that the owner of the adjacent property is consulted regarding the options available for managing the tree, as if it falls across their pathway it may cause them some inconvenience. If they are happy to accept this associated risk, the tree may be retained. However, if they are not prepared to allow the tree to fail, it should be removed within the next six months.



Figure 5. Tree No.17 (arrowed).



3.3 Tree 16 (silver birch) located on the main village green

Tree 16 is a mature silver birch (*Betula pendula*) located on the south of the main village green. There are two competing stems on the south and south-west sides of the tree. It is recommended that these be reduced by approximately 2.5-3m within the next two years. Figure 6 (below) is annotated using a curve to indicate the shape of the proposed crown after pruning.



Figure 6. Tree No.16 (curve indicates shape of proposed crown after pruning).

3.4 Statutory tree protection

The website of East Herts District Council accessed on 15/04/16 indicates that none of the trees across the six sites are subject to a Tree Preservation Order (TPO). However, The main Village Greens and much of Mount Pleasant Green are within the Hertford Heath conservation area.

The Town and Country Planning Act 1990 makes special provision for trees in conservation areas which are not the subject of a Tree Preservation Order (TPO). Under section 211 anyone proposing to cut down or carry out tree work on a tree in a conservation area is required to give the LPA six weeks' prior notice (a 'section 211 notice'). The purpose of this requirement is to give the LPA an opportunity to consider whether a TPO should be made in respect of the tree.

4 Recommendations

4.1 Specific recommendations

The recommended works are detailed in the Tree Schedule included as Appendix 1. Recommendations for works that are not risk-related, such as work to improve the health of the trees or to provide clearance from structures etc, have not been given a priority. However, they should be carried out within the next two years if budgets allow.

4.2 Tree surgery

Any work carried out on the trees should be done by a suitably qualified and insured arborist. Work should be undertaken in accordance with BS3998:2010 (Tree work-recommendations).

4.3 Planting

In order to maintain a reasonable range of age classes, approximately two trees should be planted every five years. Large, long-lived species should be selected to provide the greatest benefit both for the environment and for visual amenity.

4.4 Re-inspections

Many of the trees are in close proximity to roads, pavements, recreational areas and residential properties. It is, therefore, advised that the trees be re-inspected every two years, by a suitably qualified, experienced and insured arboriculturist.



Appendix 1



Tree Schedule

Mount Pleasant Green

ID	Old tag No.	No. of Trees	Species	Targets & Site Features	Maturity	Stem diameter (cm)	Height (m)	Vitality	Structural Condition	Life Expectancy (years)	Condition Note & Observations		Survey Date
											Works	Priority	
T 1		1	Taxus baccata Yew	Footpath within falling distance of tree.	Early Mature	9	4	High	Good	40+	Competition - Adjacent vegetation. Suppressed crown - Minor. Unbalanced crown - Minor.		17/03/16
T 2		1	Fraxinus excelsior Ash	Neighbouring property in falling distance.	Early Mature	13	8	Moderate	Good	10-20	Ivy or climbing plant. Short extension growth. There are remnants of a climbing rose (recently cut) in the crown. Climbing plant - Sever and strip - not set remove climbing rose stems.		17/03/16
T 3		1	Laburnum Common Laburnum		Early Mature	9	5	High	Fair	20-40	Competition - Adjacent trees. Ivy or climbing plant. Suppressed crown - Minor. Unbalanced crown - Minor.		17/03/16
T 4		1	Acer campestre Field Maple	Building within falling distance of tree.	Mature	32	11	High	Good	40+	Base / stems obscured - Vegetation. Ivy or climbing plant. Pruning wounds - Recent. Unbalanced crown - Minor.		17/03/16
T 5		1	Laburnum Common Laburnum	Building within falling distance of tree.	Mature	14	10	High	Good	20-40	Base / stems obscured - Vegetation. Ivy or climbing plant. The smaller of the two stems is dead. Deadwood - Remove - remove dead stem. 6 months		17/03/16

Mount Pleasant Green

ID	Old tag No.	No. of Trees	Species	Targets & Site Features	Maturity	Stem diameter (cm)	Height (m)	Vitality	Structural Condition	Life Expectancy (years)	Condition Note & Observations		Survey Date
											Works	Priority	
T 6		1	Acer campestre Field Maple	Building within crown spread.	Mature	35	11	High	Good	40+	Arboricultural work - Historic. Base / stems obscured - Vegetation. Ivy or climbing plant. Pruning wounds - Recent. Unbalanced crown - Minor. Several of the lower limbs have been cut leaving stubs up to 2m in length. Climbing plant - Sever. not set Remove specified limb / limbs - not set remove branch stubs using target pruning.	17/03/16	
T 7		1	Acer campestre Field Maple	Building within falling distance of tree.	Mature	31	12	High	Good	40+	Base / stems obscured - Vegetation. Ivy or climbing plant. Rubbing limbs. Trunk bifurcates at around 3m.	17/03/16	
T 8		1	Prunus spinosa Blackthorn/Sloe	Wall or fence within crown spread. Temporary structure.	Mature	15	10	High	Good	40+	Base / stems obscured - Vegetation. Ivy or climbing plant. Leaning trunk - Major. Pruning wounds - Recent. Structural branches on the east (house side) have been cut leaving stubs of up to 10cm diameter & c.90cm long.	17/03/16	
T 9		1	Aesculus Horse Chestnut	Building within falling distance of tree.	Early Mature	36	12	High	Good	40+	Base / stems obscured - Vegetation. Competition - Adjacent vegetation. Ivy or climbing plant. Suppressed crown - Minor.	17/03/16	

Mount Pleasant Green

ID	Old tag No.	No. of Trees	Species	Targets & Site Features	Maturity	Stem diameter (cm)	Height (m)	Vitality	Structural Condition	Life Expectancy (years)	Condition Note & Observations		Survey Date
											Works	Priority	
G 10		2 3 6	Betula pendula Silver Birch Acer campestre Field Maple Prunus sp. Cherry sp.	Building within crown spread.	Semi Mature		6	High	Good	20-40	Crown conflict - Structure / boundary / wire / tree. Prune from adjacent structure - prune/remove branches on north side to provide approximately 1m clearance from the guttering and roof of adjacent building.	1 year	17/03/16
T 11		1	Malus sp. Apple sp.	Road within falling distance of tree. Grass.	Mature	23	11	High	Good	40+	No significant faults observed.		17/03/16
T 12		1	unrecognized Unrecognised	Grass.	Mature			Dead		0-10	Stump / stumps.		17/03/16
T 13		1	Crataegus sp. Hawthorn sp.	Grass.	Early Mature	8	4	High	Good	40+	No significant faults observed.		17/03/16
T 14		1	Crataegus sp. Hawthorn sp.	Grass.	Early Mature	7	4	High	Fair	10-20	Lesion or fracture on stem / bole - Major. Unbalanced crown - Minor. Main stem has been cut (historic) resulting in a dead stub of approximately 5cm diameter and 35cm long.		17/03/16

Mount Pleasant Green

ID	Old tag No.	No. of Trees	Species	Targets & Site Features	Maturity	Stem diameter (cm)	Height (m)	Vitality	Structural Condition	Life Expectancy (years)	Condition Note & Observations		Survey Date	
											Works	Priority		
T 15		1	Cerasus avium Wild Cherry cv.	Footpath within falling distance of tree. Grass.	Mature	34	5	High	Poor	10-20	Form - Low canopy. Hollow trunk - Suspected. It is unlikely that the tree was cause any damage or harm if it were to fail due to its location and lean away from the road. Whole tree leans to the north by approximately 10 degrees from vertical. Detailed investigation - Internal decay assessment using sonic tomography to assess the extent of decay at base of trunk.	not set	17/03/16	
T 16		1	Crataegus sp. Hawthorn sp.	Grass.	Early Mature	11	6	High	Good	40+	Leaning trunk - Minor.		17/03/16	
T 17		1	Cerasus avium Wild Cherry cv.	Road within falling distance of tree. Grass.	Mature	34	7	Moderate	Poor	0-10	Decay / structural defect - Base. Fungal fruiting body - structural decay suspected. Leaning trunk - Minor. Pruning wounds - Suspected compartmentalised. Root damage - Mower. Raised surface roots. There are fruiting bodies consistent with those of the fungus Ganoderma sp. at the base on the north. The trunk sounded hollow to a height of approximately 50cm when tested with a mallet. There is a decaying cavity <15cm wide, 15cm high & >25cm deep at the base of the trunk on the southeast. It is unlikely that the tree was cause any damage or harm if it were to fail due to its location and lean away from the road. Whole tree leans to the east by approximately 17 degrees from vertical.	Note Consider removing this tree and replacing it.	not set	17/03/16

Mount Pleasant Green

ID	Old tag No.	No. of Trees	Species	Targets & Site Features	Maturity	Stem diameter (cm)	Height (m)	Vitality	Structural Condition	Life Expectancy (years)	Condition Note & Observations		Survey Date
											Works	Priority	
T 18		1	Cerasus avium Wild Cherry cv.	Road within crown spread. Footpath within crown spread. Grass.	Mature	48	9	High	Good	40+	Bark wound - Minor. Girdling roots - Minor. Pruning wounds - Suspected compartmentalised. Pruning wounds - Historic. Lift low canopy - Pedestrian clearance. 6 months Reduce lateral limb / limbs on the southwest (road side) by up to 2.5m (in line with edge of pavement) to provide clearance from road. 6 months	17/03/16	

Tree Schedule

Village Green (Main)

ID	Old tag No.	No. of Trees	Species	Targets & Site Features	Maturity	Stem diameter (cm)	Height (m)	Vitality	Structural Condition	Life Expectancy (years)	Condition Note & Observations		Survey Date
											Works	Priority	
T 1		1	Prunus cerasifera Purple Cherry Plum	Road junction within crown spread. Car parking within falling distance of tree. Grass.	Mature	54	8	High	Good	20-40	Leaning trunk - Minor. Pruning wounds - Historic.		
T 2		1	Prunus cerasifera Purple Cherry Plum	Road within crown spread. Grass.	Mature	48	8	High	Good	20-40	Leaning trunk - Minor. Pruning wounds - Historic.		
T 3		1	Prunus cerasifera Purple Cherry Plum	Road within crown spread. Grass.	Mature	48	9	High	Good	20-40	Leaning trunk - Minor. Pruning wounds - Historic. Root damage - Mower. Raised surface roots.		
T 4		1	Sorbus sp. Sorbus sp.	Grass.	Semi Mature	5	3	Moderate	Fair	20-40	Bark wound - Minor. Commemorative tree. Rubbing limbs. Staked tree / trees. Stake - Remove tree stake / strap. not set Formative prune - Structural - remove rubbing and crossing branches. not set		
T 5		1	Malus sylvestris Wild Crab	Road junction within falling distance of tree. Recreational area within crown spread.	Mature	27	7	High	Good	40+	No significant faults observed.		
T 6		1	Cerasus serrulata Flagpole Cherry	Road within falling distance of tree. Recreational area within falling distance. Grass.	Mature	14	9	High	Good	40+	Bark wound - Minor. Acute stem unions at approximately 0.9m (stable at time of inspection).		

Village Green (Main)

ID	Old tag No.	No. of Trees	Species	Targets & Site Features	Maturity	Stem diameter (cm)	Height (m)	Vitality	Structural Condition	Life Expectancy (years)	Condition Note & Observations		Survey Date
											Works	Priority	
T 7		1	Carpinus betulus Fastigate Hornbeam	Road junction within falling distance of tree. Recreational area within crown spread.	Mature	36	11	High	Good	40+	No significant faults observed.		
T 8		1	Cerasus avium Wild Cherry cv.	Recreational area within crown spread. Grass.	Mature	26	9	High	Good	40+	No significant faults observed.		
T 9		1	Acer campestre Field Maple	Recreational area within falling distance. Seating area within falling distance of tree.	Early Mature	13	6	High	Good	40+	No significant faults observed.		
T 10		1	Crataegus x lavalleyi Hybrid Cockspur	Road within falling distance of tree. Recreational area within falling distance. Grass.	Mature	14	5	High	Good	10-20	Bark wound - Major.	17/03/16	
T 11		1	Alnus cordata Italian Alder	Road junction within falling distance of tree. Recreational area within crown spread.	Mature	49	12	High	Good	40+	Leaning trunk - Minor. Co-dominant stems with an acute union at around 1.5m (stable at time of inspection).	17/03/16	

Village Green (Main)

ID	Old tag No.	No. of Trees	Species	Targets & Site Features	Maturity	Stem diameter (cm)	Height (m)	Vitality	Structural Condition	Life Expectancy (years)	Condition Note & Observations		Survey Date
											Works	Priority	
T 12		1	Salix babylonica Weeping Willow	Road within crown spread. Recreational area within crown spread. Grass.	Mature	64	12	High	Poor	10-20	Decay / structural defect - Open cavity / cavities. Decay / structural defect - Principal stems. Fungal fruiting body - structural decay suspected. Pruning wounds - Decayed. Woodpecker holes. There are fruiting bodies consistent with those of the fungus Phellinus igniarius at approximately 1.7 & 2.5m on the western stem. The stem on the east is completely hollow. Pollard - Previous pollard height i.e. at approximately 3.5-4m. 1 month	17/03/16	
T 13		1	Sorbus sp. Sorbus sp.	Grass.	Semi Mature	8	4	Moderate	Fair	20-40	Bark wound - Minor.		
T 14		1	Pyrus calleryana Ornamental Pear	Grass.	Semi Mature	7	4	High	Good	40+	Bark wound - Minor. Epicormic growth - Base / bole / principal stems. Staked tree / trees. Stake - Remove tree stake / strap. not set		
T 15		1	Abies sp. Fir sp.	Grass.	Semi Mature	13	6	High	Good	40+	No significant faults observed. There are christmas lights in the tree.		
T 16		1	Betula pendula Silver Birch	Road within falling distance of tree. Recreational area within crown spread. Grass.	Mature	57	16	High	Good	20-40	There are two competing stems on the south and southwest. Reduce specified limb / limbs - reduce height of the two competing stems on the south and southwest by approximately 2.5-3m. 2 years		

Village Green (Main)

ID	Old tag No.	No. of Trees	Species	Targets & Site Features	Maturity	Stem diameter (cm)	Height (m)	Vitality	Structural Condition	Life Expectancy (years)	Condition Note & Observations		Survey Date
											Works	Priority	
T 17		1	Acer campestre Field Maple	Road within falling distance of tree. Grass.	Semi Mature	10	5	High	Good	40+	Commemorative tree. No significant faults observed. Vitality - Condition soil / mulch - not set mulch out to 1m from the base of the tree to improve growing conditions and prevent damage from grass cutting equipment.		17/03/16
T 18		1	Aesculus x carnea Red Horse Chestnut	Grass.	Mature			Dead		0-10	Stump / stumps. Stump - Remove / grind. not set		17/03/16
T 19		1	Aesculus x carnea Red Horse Chestnut	Road within crown spread. Grass.	Mature	57	10	Moderate	Poor	0-10	Decay / structural defect in crown limb / limbs - Extensive. Deadwood - Minor. Decay / structural defect - Open cavity / cavities. Epicormic growth - Base. Hollow trunk - Open cavity. Trunk bifurcates at around 2m. Crown weight bias to the north (towards road). Plant replacement tree. not set Fell - Ground level & grind stump to a depth of 250mm. 1 month		17/03/16
T 20		1	Salix babylonica Weeping Willow	Desire line within crown drip line. Grass.	Mature	38	8	High	Fair	20-40	Branch - Broken. Deadwood - Minor. Trunk bifurcates at around 0.9m. Remove suspended or broken limb / limbs. 6 months		17/03/16

Village Green (Main)

ID	Old tag No.	No. of Trees	Species	Targets & Site Features	Maturity	Stem diameter (cm)	Height (m)	Vitality	Structural Condition	Life Expectancy (years)	Condition Note & Observations		Survey Date
											Works	Priority	
T 21		1	Aesculus x carnea Red Horse Chestnut	Road within crown spread. Street lamp within crown spread. Grass.	Mature	55	11	Moderate	Fair	20-40	Girdling roots - Minor. There is bud proliferation/cankers on the trunk and structural branches. There are narrow strips of exposed wood on several of the structural branches, this may be a result of bleeding canker (historic). Detailed investigation - Climbing inspection required to assess structural integrity of structural branches, many of which have strip of dead bark and exposed wood.		17/03/16

Tree Schedule

War Memorial

ID	Old tag No.	No. of Trees	Species	Targets & Site Features	Maturity	Stem diameter (cm)	Height (m)	Vitality	Structural Condition	Life Expectancy (years)	Condition Note & Observations Works Priority	Survey Date
T 1		1	Acer pseudoplatanus Sycamore	Road within crown spread. Grass. Underground services within crown spread.	Early Mature	23	10	Moderate	Good	20-40	Form - Low canopy vehicle damage. Three stems with acute unions at around 0.3m (stable at time of inspection). Reduce lateral limb / limbs - Reduce branches so that the edge of the crown does not extend beyond the curb. 6 months	17/03/16

Tree Schedule

Allotment Land

ID	Old tag No.	No. of Trees	Species	Targets & Site Features	Maturity	Stem diameter (cm)	Height (m)	Vitality	Structural Condition	Life Expectancy (years)	Condition Note & Observations		Survey Date
											Works	Priority	
T 1		1	Quercus robur English Oak	Road within crown spread.	Late Mature	103	15	Low	Fair	10-20	<p>Base / stems obscured - Vegetation. Die-back - Throughout crown. Decline - Evident / observed. Deadwood - Minor. Eccentric growth. Excavation within root zone - Suspected. Ivy or climbing plant. Dead branches <30cm diameter & 4m long (not over a significant target). There is an area of exposed wood <90cm wide & 100cm high (with some decay) from ground level on the north. Epicormic growth - Plagiotropic (growing horizontally to oblique) -type epicormic shoots with impoverished branching are predominant, indicating that the tree is likely to be in irreversible decline.</p> <p>Monitor - Assess vitality. 6 months</p> <p>Climbing plant - Sever. 1 year</p>	18/03/16	
T 2		1	Quercus robur English Oak	Road within crown spread.	Ancient / Veteran	120	14	Low	Good	20-40	<p>Base / stems obscured - Vegetation. Die-back - Upper crown. Decline - Suspected. Epicormic growth - Crown. Excavation within root zone - Suspected. Ivy or climbing plant. Dead lateral branches <20cm diameter & 4m long (not over a significant target). Very short extension growth. Epicormic growth - Ageotropic (no predetermined direction) -type epicormic shoots are predominant, indicating that the tree is likely to be in irreversible decline.</p> <p>Climbing plant - Sever. 6 months</p>	18/03/16	
T 3		1	Quercus robur English Oak	Bus stop/shelter within crown spread. Road within crown spread. Overhead service within crown spread.	Mature	100	17	High	Good	40+	<p>Base / stems obscured - Vegetation. Deadwood - Minor. Excavation within root zone - Suspected. Ivy or climbing plant. Lesion or fracture on limb / limbs - Major.</p>	18/03/16	

Allotment Land

ID	Old tag No.	No. of Trees	Species	Targets & Site Features	Maturity	Stem diameter (cm)	Height (m)	Vitality	Structural Condition	Life Expectancy (years)	Condition Note & Observations		Survey Date
											Works	Priority	
T 4		1	Quercus robur English Oak	Road within crown spread. Overhead service within crown spread.	Mature	100	17	Moderate	Good	20-40	Base / stems obscured - Vegetation. Die-back - Upper crown. Decline - Evident / observed. Deadwood - Major. Excavation within root zone - Suspected. Ivy or climbing plant. There are dead patches of bark on the trunk, some of which the bark has fallen off to reveal exposed wood with little apparent decay. Dead lateral branches <15cm diameter & 4m long (not over a significant target). Epicormic growth- The apparent die-back in the upper crown, combined with the rarity or absence of epicormic shoots, indicates that the tree is likely to be in irreversible decline. Climbing plant - Sever.	1 year	18/03/16
T 5		1	Quercus robur English Oak	Road within falling distance of tree. Overhead service within crown spread.	Late Mature	103	17	Moderate	Good	40+	Base / stems obscured - Vegetation. Deadwood - Major. Ivy or climbing plant. Dead lateral branches <15cm diameter & 6m long (not over a significant target).		18/03/16
T 6		1	Quercus robur English Oak	Road within crown spread.	Mature	95	15	Moderate	Good	20-40	Base / stems obscured - Vegetation. Ivy or climbing plant. Dead lateral branches <15cm diameter & 3m long (not over a significant target). Epicormic growth- The apparent reduced vitality, combined with the rarity or absence of epicormic shoots, indicates that the tree is likely to be in irreversible decline. Climbing plant - Sever.	1 year	18/03/16
T 7		1	Quercus robur English Oak	Road within crown spread. Desire line within crown drip line.	Mature	100	15	Moderate	Good	40+	Base / stems obscured - Vegetation. Ivy or climbing plant. Dead lateral branches <20cm diameter & 3m long (not over a significant target). Climbing plant - Sever.	1 year	18/03/16

Allotment Land

ID	Old tag No.	No. of Trees	Species	Targets & Site Features	Maturity	Stem diameter (cm)	Height (m)	Vitality	Structural Condition	Life Expectancy (years)	Condition Note & Observations		Survey Date
											Works	Priority	
T 8		1	Quercus robur English Oak	Road within falling distance of tree.	Mature	87	17	Moderate	Poor	20-40	Woodpecker holes. There is a strip of exposed wood <35cm wide which extends from the base (on the south) up to approximately 10m. There is significant decay associated with this defect where it affects a 2nd & 3rd order (structural) branch. Dead lateral branches <20cm diameter & 3m long (not over a significant target). Reduce faulted limb / limbs by - 6 months Specified extent - reduce height of decayed stem on the south by approximately 3m (using natural fracture techniques).	18/03/16	
T 9		1	Quercus robur English Oak	Road within falling distance of tree. Overhead service within 5m of crown edge.	Late Mature	107	14	Low	Fair	10-20	Base / stems obscured - Vegetation. Die-back - Throughout crown. Decline - Evident / observed. Deadwood - Major. Ivy or climbing plant. Epicormic growth - Ageotropic (no predetermined direction) -type epicormic shoots are predominant, indicating that the tree is likely to be in irreversible decline.	18/03/16	

Tree Schedule

Pindar Green

ID	Old tag No.	No. of Trees	Species	Targets & Site Features	Maturity	Stem diameter (cm)	Height (m)	Vitality	Structural Condition	Life Expectancy (years)	Condition Note & Observations		Survey Date
											Works	Priority	
T 1		1	Cerasus avium Wild Cherry cv.	Seating area within crown spread. Desire line within crown drip line. Overhead service within crown spread.	Late Mature	86	12	Moderate	Fair	10-20	Bark exudation. Branch - Suspended. Die-back - Upper crown. Decline - Evident / observed. Deadwood - Major. Decay / structural defect - Base. Lesion or fracture on limb / limbs - Minor. Pruning wounds - Historic. Diameter measured at base. There is a decaying cavity <30cm wide, 80cm high & 14cm deep on the trunk from ground level on the northwest. There are fruiting bodies consistent with those of the fungus Ganoderma sp. on the right side of the cavity. There is also a decaying cavity <16cm wide, 120cm high & 6cm deep on a structural branch at around 1.3m on the west.		18/03/16
											Deadwood - Remove deadwood >50mm diameter at base and more than 1m long.	2 years	
T 2		1	Betula pendula Silver Birch	Building within falling distance of tree. Desire line within falling distance of tree.	Mature	26	11	Moderate	Good	10-20	Die-back - Upper crown. Decline - Suspected. Leaning trunk - Minor. Whole tree leans to the northeast by approximately 5 degrees from vertical.		18/03/16
T 3		1	Laburnum Common Laburnum	Recreational area within falling distance.	Mature		4	Moderate	Poor	0-10	Decay / structural defect - Base. Leaning trunk - Major. Root decay - Suspected. If this tree fails it is unlikely to cause harm or damage due to it's location and size.		18/03/16

Tree Schedule

Playing Field

ID	Old tag No.	No. of Trees	Species	Targets & Site Features	Maturity	Stem diameter (cm)	Height (m)	Vitality	Structural Condition	Life Expectancy (years)	Condition Note & Observations Works Priority	Survey Date
H 1				Wall or fence within crown spread. Desire line within falling distance of tree. Recreational area within falling distance.	Mature		8	Moderate	Fair	40+	Base / stems obscured - Vegetation. Hedgerow - Neglected / overgrown. Ivy or climbing plant. Hedgerow comprises holly, hawthorn, elder & 1 sycamore. Climbing plant - Sever ivy on hawthorn trees within hedgerow. not set	18/03/16
G 2		4	Prunus sp. Cherry sp.	Wall or fence within crown spread. Desire line within falling distance of tree.	Mature		8	High	Good	40+	Pruning wounds - Historic.	18/03/16

Appendix 2





think trees
P.F. Melarange | ARBORICULTURAL CONSULTANCY LTD

Project name:		Village Greens
Drawing title:		Tree Location Plan
Drawing number:	Revision	
Client:		Hertford Heath PC
Agent:		
Date:	15/4/2016	
Scale:	1:800@A3	



think trees
 P.F. Melarange | ARBORICULTURAL CONSULTANCY LTD

Project name:		Mount Pleasant Green
Drawing title:		Tree Location Plan
Drawing number:	Revision	
Client:	Hertford Heath PC	
Agent:		
Date:	15/4/2016	
Scale:	1:500@A3	



<p>think trees P.F. Melarange ARBORICULTURAL CONSULTANCY LTD</p>	
<p>Project name: Village Green (Main)</p>	
<p>Drawing title: Tree Location Plan</p>	
Drawing number:	Revision
<p>Client: Hertford Heath PC</p>	
<p>Agent:</p>	
Date:	15/4/2016
Scale:	1:400@A3



think trees
 P.F. Melarange | ARBORICULTURAL CONSULTANCY LTD

Project name: **War Memorial**

Drawing title: **Tree Location Plan**

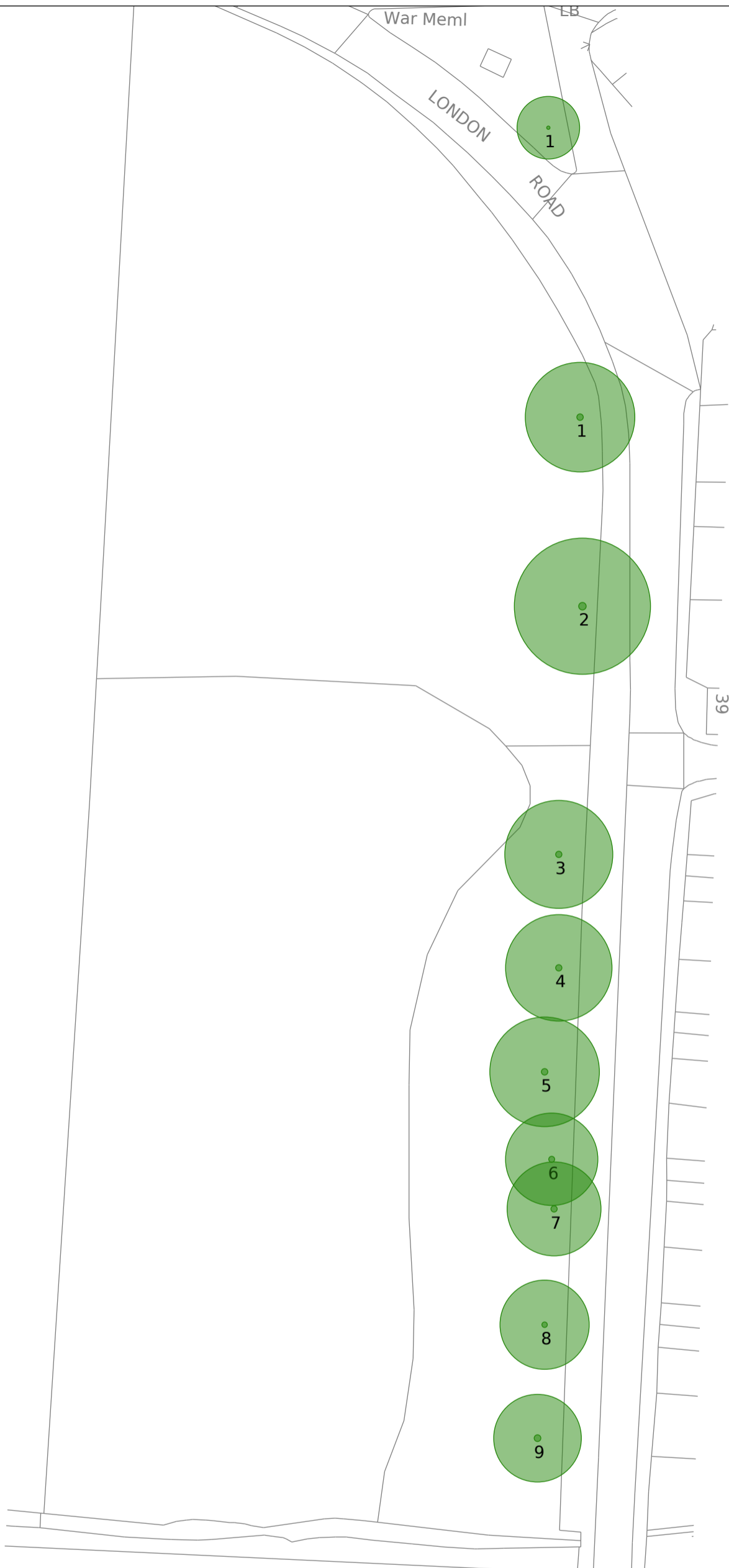
Drawing number:	Revision
-----------------	----------

Client: **Hertford Heath PC**

Agent:

Date: **15/4/2016**

Scale: **1:250@A3**



think trees
 I. F. Melarange | ARBORICULTURAL CONSULTANCY LTD

Project name:		Client:	
Allotment Land		Hertford Heath PC	
Drawing title:		Agent:	
Tree Location Plan		Date:	
15/4/2016		15/4/2016	
Drawing number:	Revision:	Scale:	
		1:750@A3	



think trees
P.F. Melarange | ARBORICULTURAL CONSULTANCY LTD

Project name: **Pindar Green**

Drawing title: **Tree Location Plan**

Drawing number: Revision

Client: **Hertford Heath PC**

Agent:

Date: **15/4/2016**

Scale: **1:300@A3**



think trees
P.F.Melarang | ARBORICULTURAL CONSULTANCY LTD

Project name:
Playing Field

Drawing title:
Tree Location Plan

Drawing number:	Revision
-----------------	----------

Client:
Hertford Heath PC

Agent:

Date:
15/4/2016

Scale:
1:700@A3