



# **ARBORICULTURAL IMPACT ASSESSMENT AND TREE PROTECTION PLAN**

**FOR THE SITE OF**

**48 Park Lane, Cowplain, Waterlooville  
PO8 8BB**

**Date – 18<sup>th</sup> March 2026**

**Consulting Arborist**

**Stefan Rose BSc (Hons), Tech Cert (ArborA), TechArborA**

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- AS1 Tree Survey Schedule and Tree Survey Plan Arbor.48ParkLane.TSP.001
- AS2 Tree Protection Plan drawing no. Arbor.48ParkLane.TPP.002
- AS3 Qualifications and Experience

## **1 Introduction**

1.1 A planning application is proposed for the works to the existing dwelling to modernise and enlarge the dwelling at its rear at 48 Park Lane, Cowplain, Waterlooville, PO8 8BB.

1.2 Arborsphere Ltd has been instructed to provide arboricultural information to enable the Local Planning Authority (Havant Borough Council) to consider the planning application regarding the tree stock on or adjacent to the site/area of works.

1.3 The client has provided the following drawing:

- JM250091\_001 - Existing Plans
- JM250091\_002 - Proposed Plans
- JM250091\_003 - Existing Elevations
- JM250091\_004 - Proposed Elevations
- JM250091\_006 - block plan

1.4 These have been the basis to produce the subsequent implications assessment and tree protection plan.

1.5 The assessment made on these documents broadly conforms to the recommendations of BS5837: 2012 *"Trees in Relation to Design, Demolition and Construction – Recommendations"*.

## **2 Scope of Works**

2.1 To attend site to undertake a tree survey in line with BS5837: 2012 *Trees in relation to design, demolition and construction - recommendations*, appended at AS1.

2.2 To produce an Arboricultural Implications Assessment providing details on how the retained trees will be protected and what trees, if any need to be removed.

2.3 To provide a Tree Protection Plan, drawing number Arbor.48ParkLane.TPP.002 (appended at AS2) based on the drawing provided at the time of producing this statement.

## **3 Tree Survey & RPA Schedule**

3.1 The tree survey exercise was completed on the 3<sup>rd</sup> of March 2026. It was a broken blue-sky day with a light wind at the time of surveying. This survey data is the basis of the Arboricultural Implications assessment, Method Statement and Tree Protection Plan. This exercise identified three individual trees, one group of trees and one hedge that could potentially be affected by the development.

3.2 For the tree location and further information on the tree stock assessed for this planning application please refer to appendix AS1 for the tree survey schedule.

3.3 It is understood through correspondence with the Planning department that trees adjacent to the site are legally protected by a Tree Preservation Order. The online search facility does not show any protected trees on or immediately to the site but there is an application to fell an Oak tree immediately

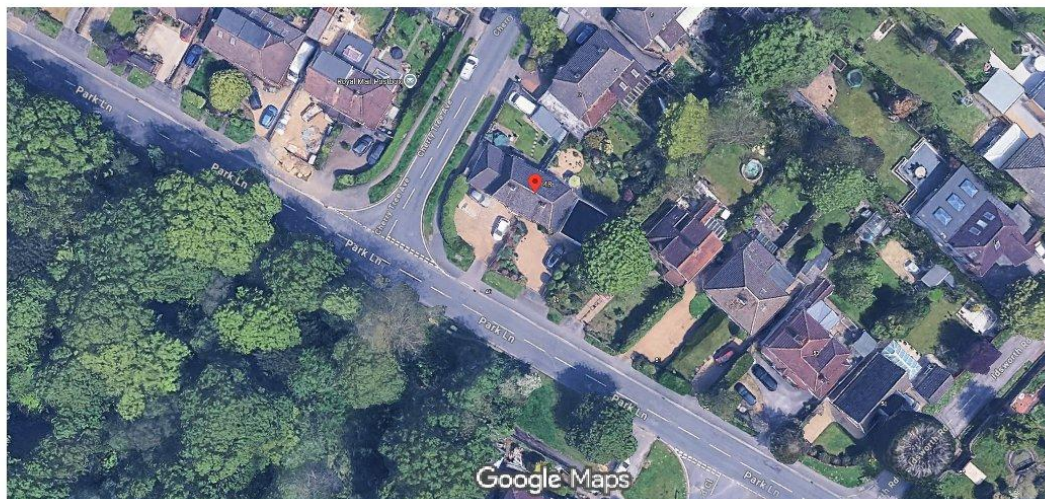
to the east of the site due to a subsidence claim, unfortunately at the time of checking the decision is not available online but the tree subject to this application is no longer there.

**Figure 1:** Showing the offsite Oak visible on Google Maps that is no longer there.

18/03/2026, 07:54

48 Park Ln - Google Maps

48 Park Ln



Imagery ©2026 Google, Imagery ©2026 Airbus, Map data ©2026 10 m

**Figure 2:** Showing the offsite Oak visible on Google Street View (dated 2023) that is no longer there.

18/03/2026, 07:55

48 Park Ln - Google Maps

Google Maps

48 Park Ln



Image capture: Aug 2023 © 2025 Google

[https://www.google.com/maps/place/48+Park+Ln,+Coxplain,+Waterfoville+PO8+8BB/@50.8501884,-1.010694,3a,75y,42.81m,5C,241d8da+3m71e113m5f1scaOukaeDEPks\\_UeW4277G2e0f5htps%2F%2Fstreeviewpixels-pa.googleapis.com%2Fv1%2F%2Fumbna%3Fcb\\_client%3Dmaps\\_sv\\_tactile%26v%3D9...](https://www.google.com/maps/place/48+Park+Ln,+Coxplain,+Waterfoville+PO8+8BB/@50.8501884,-1.010694,3a,75y,42.81m,5C,241d8da+3m71e113m5f1scaOukaeDEPks_UeW4277G2e0f5htps%2F%2Fstreeviewpixels-pa.googleapis.com%2Fv1%2F%2Fumbna%3Fcb_client%3Dmaps_sv_tactile%26v%3D9...)

**Photograph 1:** Showing the absence of the Oak from the rear garden, looking southeast



**Photograph 2:** Showing the relationship of the offsite trees from the rear garden, looking northeast



**Photograph 3:** Showing the only group of trees onsite large enough to survey and the absence of the Oak from the front garden, looking east



## **4 Tree Implications**

4.1 As part of the assessment, dimensions have been scaled from JM250091\_002 - Proposed Plans modified to include the relevant Tree Survey data.

4.2 There is no potential damage that can occur to the significant trees beyond the site boundary as they are far enough away from the site boundary not to impact on the site.

4.3 The potential for damage to the group of trees on site comes from the delivery and storage of materials and contractor parking where soft ground is damaged through compaction or through the leaching of chemicals into the ground.

4.4 The trees could also be damaged through indirect causes through ground compaction of soft ground whereby the soil structure is compromised which impacts on the tree's roots and rooting environment. Branches may also be snapped and damaged through the movement of vehicles and plant machinery.

4.5 Contractors will utilise the existing driveway area and areas outside of and away from the rooting area of the group for material storage and mixing.

4.6 Care shall be taken when planning site operations, to ensure that wide or tall loads, or plant with booms, jibs and counterweights can operate without encountering the retained group, with deliveries to the site frontage and the movement of any materials or construction of the extension and alterations. Such contact could result in serious damage to them and might make their safe retention impossible.

4.7 All the trees, the group and the hedge are retained and protected within the layout.

4.8 Establishing the protection measures below to guide and restrict movement on site to ensure that the retained trees, group and hedge and their rooting environment are not adversely impacted upon by work to implement the alterations to the house.

## **5 Pre-Development Tree Works**

5.1 There are no trees on site or trees that impact on the site. Group 1 will be maintained as required for general maintenance as part of the regular regime of maintaining the group adjacent to the driveway and public footpath.

## **6 Tree Protection Requirements**

6.1 The group will always be protected by fit for purpose tree protection measures during site preparation, ground and construction work as indicated on the Tree Protection Plan Arbor.48ParkLane.TPP.002 (appended at AS2) for the specific part of the works being undertaken at any given time.

6.2 The tree protection measures must be erected prior to any work commencing on site relating to the planning application. The protection measures and the ground that is beyond it (i.e., on the non-development side) will be regarded as sacrosanct. The ground will not be disturbed, and the protection measures will not be removed or altered without prior recommendation by an arboriculturist and approval of the Havant Borough Council Tree Officer. The tree protection forms the Construction Exclusion Zone (CEZ) which is off limits to contractors.

6.3 At all times the tree protection measures will be fit for purpose i.e., it will exclude all ground and construction activity.

6.4 All site operations will be planned, implemented and supervised to prevent the following:

- Unplanned root severance within the CEZ
- Damage to the bark, branches and trunks of retained trees
- Compaction of the soil within the Construction Exclusion Zone
- Alterations in soil level
- Soil contamination by phytotoxic materials such as herbicides, petrol, oils, diesel, cement and concrete washings or other construction additives

6.5 The appropriate barrier adjacent to group 1 will be resistant to impact and require a positive or considered movement of the barrier to adjust its position. The robust barrier will be established along the edge of the driveway and area of soft ground to prevent materials being stored on the soft ground. The barrier should be formed by safety barriers (or similar) secured in place by weighted feet/sandbags or similar.

6.6 The barriers will be established on site as shown on the Tree Protection Plan Arbor.48ParkLane.TPP.002 (appended at AS2).

6.7 At all times the tree protection measures will be fit for purpose i.e., it will exclude all construction activity or support construction activity, guide plant movement past the trees or support activity and plant machinery movements.

6.8 Contractors **will be made aware** by the client that the barrier/fencing is located to restrict their movements and that the area beyond them is sacrosanct (and only accessible for the homeowners) to avoid unnecessary damage to trees, their roots and the rooting environment.

## **8 Utility and Drainage Service Connections**

8.1 These will not impact on any trees, the group or hedge.

## **9 General site requirements to protect trees**

9.1 As a general note for the requirements to protect the trees, contractors and sub-contractors will be made aware of their duty towards the onsite group prior to commencing work; this will be achieved by a toolbox talk by the client or the retained arboricultural consultant, talking through the details within this statement and a signed record of such completed and kept on file.

9.2 There will be no storage of chemicals or materials and mixing of materials within the protected soft ground rooting area of retained trees as set out by the tree protection barriers.

9.3 All chemical, material storage and mixing will be located on site to account for the topography of the site and therefore avoid any runoff that will damage the soil structure and roots. In this instance, materials will be delivered and stored on the existing hard surfaced driveway or at the frontage of the house.

9.4 Fires shall not be lit where flames will be within 5m of any retained canopy edge.

9.5 If there is any reason for amendments to the tree protective barrier design or location, the retained arboricultural expert will be consulted and advised accordingly. Approval will be required from the Havant Borough Council's Tree Officer prior to the amending of the tree protection as detailed on the Tree Protection Plan Arbor.48ParkLane.TPP.002.

9.6 Should the tree protection measures become damaged or becomes unfit for purpose, all works within 3m from the defective tree protective barrier/ground protection will immediately cease until the defect has been remedied and the tree protection is again fit for purpose.

9.7 Should any damage be caused to the group noted for retention, either by the construction works, associated activity or as the result of any other action during the works related to this planning application, the damage should be reported to the site supervisor immediately.

9.8 The site supervisor shall immediately report up the chain of responsibility to the retained consultant arboriculturist, or in the absence of such an appointment, to an appropriately qualified arboriculturist, to enable remedial measures to be implemented as necessary and as agreed with Havant Borough Council's Tree Officer.

## **10 Conclusion**

10.1 A planning application for works at the rear of the existing dwelling to modernise and enlarge the dwelling at 48 Park Lane, Cowplain, Waterlooville, PO8 8BB. This has been broadly assessed in line with BS5837: 2012 *Trees in relation to design, demolition and construction - recommendations*.

10.2 The proposal does not impact on any tree immediately adjacent to the site and all the legally protected trees remain unaffected by the proposal. With the correct and timely establishment of tree protection measures, the onsite group at the site frontage will be protected from material storage and mixing.

10.3 No trees will be removed as part of this proposal.

## **11 Disclaimer**

11.1 The statements made in this report do not take account of the effects of extreme weather, vandalism or accident, whether physical, chemical or fire. Arborsphere Ltd cannot therefore accept any liability in connection with these factors, nor where prescribed work is not carried out in a correct and professional manner in accordance with that stated within this report or current good practice. The authority of this report ceases at any stated time limit within it, or if none stated after one year from the date of inspection/survey, when a consented planning application time limit lapses, or when there are any significant changes to the site conditions, if pruning or other works unspecified in the report are carried out to, or affecting, the subject trees, whichever is the sooner.

AS1



## **BS5837:2012 Tree Survey**

**Trees in relation to design, demolition and construction - Recommendations**

**48 Park Lane, Cowplain, Waterloooville, PO8 8BB**

**Date – 3<sup>rd</sup> March 2026**

**Consulting Arborist**

Stefan Rose BSc (Hons), Tech Cert (ArborA), TechArborA

# TREE SURVEY NOTES



This Tree Survey has been undertaken within the recommendations of British Standards 5837:2012 and current arboricultural best practice. Clients are advised that Tree Surveys are a basic data collection exercise and record of tree condition at the time of survey and should not be confused with a Tree Inspection.

The Tree Survey will identify any visible signs of ill-health or major defects, advising a further detailed investigation where appropriate. This will most often take the form of a request for either “*full ground level inspection*” or “*climbing inspection required*”. There may also be a further reference to the need for “*decay detection equipment*” to aid diagnosis. A tree survey does not include a comprehensive schedule or specification of remedial tree works, but may contain a guide to the work which might be undertaken by a prudent tree owner, purely for reasons of health and safety.

Each tree has been numbered and, where instructed, for future identification on site, they have been tagged using small durable metal or plastic tags.

- Due to variations of existing ground levels through the site, height dimensions are estimated and are given in metres. Accurate heights, measured with the aid of optical instruments can be provided where instructed.
- Trunk/stem diameters are measured in mm at 1.5 metres above ground level, using a standard measuring tape as defined by British Standards, unless otherwise stated.
- Estimated branch spread is taken in metres from the centre of the trunk, at the four cardinal points of a compass, to achieve an accurate representation of the crown shape which will be recorded on the tree survey plan.

- An assessment of a tree’s life stage classification is made in terms of its maturity within the site’s landscape and defined as:

Y	=	young trees, trees that are pre-sexual maturity and high in vitality
SM	=	semi-mature trees, trees that are juvenile and within the first $\frac{1}{3}^{\text{rd}}$ of life expectancy of an average tree for any given species
EM	=	early mature trees, trees that are perhaps within in $\frac{1}{3}^{\text{rd}}$ and $\frac{2}{3}^{\text{rd}}$ of life expectancy of an average tree for any given species
M	=	mature trees, trees that have reached peak height and reproduction capacity and perhaps in the last $\frac{1}{3}^{\text{rd}}$ of life expectancy of an average tree for any given species
OM	=	Over-mature trees, trees showing signs of retrenchment in the crown

- An assessment of a tree's physiological condition is defined as:

<b>Good</b>	=	<b>fully functioning biological system showing average vitality i.e. normal bud growth, leaf size, crown density and wound closure</b>
<b>Fair</b>	=	<b>fully functioning biological system showing below average vitality i.e. reduced bud growth, smaller leaf size, lower crown density and reduced wound closure</b>
<b>Poor</b>	=	<b>a biological system with limited functionality showing significantly below average vitality i.e. limited bud growth, small and chlorotic leaves, low crown density and limited wound closure</b>
<b>Dead</b>	=	<b>No obvious signs of outward living parts</b>

- An assessment of a tree's structural condition is defined as:

<b>Good</b>	=	<b>no significant structural defects</b>
<b>Fair</b>	=	<b>structural defects which could be alleviated through remedial tree surgery or management practices</b>
<b>Poor</b>	=	<b>structural defects which cannot be alleviated through tree surgery or management practices</b>
<b>Dead</b>	=	<b>No obvious signs of outward living parts</b>


- An assessment of a tree's future estimated remaining contribution is defined as: **<10, 10+, 20+ or 40+ years.**

### **Categorisation of Trees**

The category for each tree is assessed using the advice of Table 1 within BS5837:2012 Trees in relation to design, demolition and construction - Recommendations. The assessment has not considered any site-specific development proposals, but will have considered any changes on or off-site which may have an effect on the conditions surrounding the surveyed trees.

The trees have been classified into one of the following categories (and one or more sub-categories [these sub categories will however not increase the value of the tree]) and are indicated on the associated drawings by colours as indicated.

Category U				Identification colour on plan
Trees in such a condition that they cannot realistically be retained as living trees in the context of the current land use for longer than 10 years	<ul style="list-style-type: none"> <li>• Trees that have a serious, irremediable, structural defect, such that their early loss is expected due to collapse, including those that will become unviable after removal of other category U trees (e.g. where, for whatever reason, the loss of companion shelter cannot be mitigated by pruning)</li> <li>• Trees that are dead or are showing signs of significant, immediate, and irreversible overall decline</li> <li>• Trees infected with pathogens of significance to the health and/or safety of other trees nearby, or very low quality trees suppressing adjacent trees of better quality</li> </ul>			<b>DARK RED</b>
Category A	1 – Mainly arboricultural values	2 – Mainly landscape values	3 – Mainly cultural values	Identification colour on plan
<b>Trees of high quality</b> with an estimated remaining life expectancy of at least 40 years	Trees that are particularly good examples of their species, especially if rare or unusual; or those that are essential components of groups or formal or semi-formal arboricultural features (e.g. the dominant and/or principal trees within an avenue)	Trees, groups of woodlands of particular visual importance as arboricultural and/or landscape features	Trees, groups or woodlands, of significant conservation, historical, commemorative or other value (e.g. veteran trees or wood-pasture)	<b>LIGHT GREEN</b>
Category B	1 – Mainly arboricultural values	2 – Mainly landscape values	3 – Mainly cultural values	Identification colour on plan
<b>Trees of moderate quality</b> with an estimated remaining life expectancy of at least 20 years	Trees that might be included in category A, but are down-graded because of impaired condition (e.g. presence of significant through remediable defects, including unsympathetic past management and storm damage), such that they are unlikely to be suitable for retention for beyond 40 years; or trees lacking the special quality necessary to merit the category A designation	Trees present in numbers, usually growing as groups or woodlands, such that they attract a higher collective rating than they might as individuals; or trees occurring as collectives but situated so as to make little visual contribution to the wider locality	Trees with material conservation value or other cultural value	<b>MID BLUE</b>
Category C	1 – Mainly arboricultural values	2 – Mainly landscape values	3 – Mainly cultural values	Identification colour on plan
<b>Trees of low quality</b> with an estimated remaining life expectancy of at least 10 years, or young trees with a stem diameter below 150mm	Unremarkable trees of very limited merit or such impaired condition that they do not qualify in higher categories	Trees present in groups or woodlands, but without this conferring on them significantly greater collective landscape value; and/or trees offering low or only temporary/transient landscape benefits	Trees with no material conservation or other cultural value	<b>GREY</b>

	<b>BS5837: 2012 TREE SURVEY REPORT</b>	
	Site:	48 Park Lane, Cowplain, Waterlooville, PO8 8BB
	Date:	3 <sup>rd</sup> March 2026
	Consultant:	Stefan Rose BSc (Hons), TechCert ArborA, TechArborA
	Tagged:	No

Notes:

1. It may be advised that some trees should have the ivy removed to enable a re-survey to be carried out. This would also alleviate the tree from becoming suppressed, carrying additional weight that increases the chance of windthrow due to a larger dense crown area, and only receiving restricted light. Unless otherwise stated, in order to prevent regrowth, it is only necessary to remove a 300mm section of ivy and clear around the base.
2. It may be advised that it was only possible to estimate the diameter of some trees because of ivy smothering, dense vegetation, or trees located off-site with no access.
3. The estimated remaining contribution in years, and the tree grading category have been calculated for the current situation and may alter where further investigation works are advised.
4. Some trees or groups may have been given an interim grade. The reason for the interim grading is addressed in the timescales given as this may have a bearing on health and safety and/or any development proposals.
5. Tree Groups have been assessed with estimated and representative data.
6. This is not a Tree Works Schedule. Any preliminary management recommendations are listed in the interests of health and safety and should be carried out by a prudent tree owner.
7. Any management recommendations are suggested for reasons of health and safety only, regardless of development proposals at this stage. However, the defects requiring remedial tree surgery are by their very nature potential wildlife habitats, including protected species which needs consideration prior to any tree surgery works commencing.
8.
  - a) At this stage the Root Protection Area (RPA) information is for your guidance and ongoing discussion purposes only as it assumes that all but the 'U' grade trees will be retained, which may not be the case.
  - b) For all single stem trees with a stem diameter greater than 1250mm, and multi-stem trees with a stem diameter greater than 1500mm, the calculated RPA has been capped at 707m2 in accordance with Section 4.6.1 of BS5837.2012.

**Tree Preservation Order/Conservation Area:**

Planning correspondence during the validation period informed that two trees are protected by a Tree Preservation Order, it is assumed that this is the two Oak trees at this time, specific details were not provided. It is understood that the site is not within a Conservation Area at the time of compiling this schedule. Prior to carrying out works on these trees or works that may impact on their rooting systems consent may need to be sought from the Council and checks should be made with the Authority prior to the work commencing

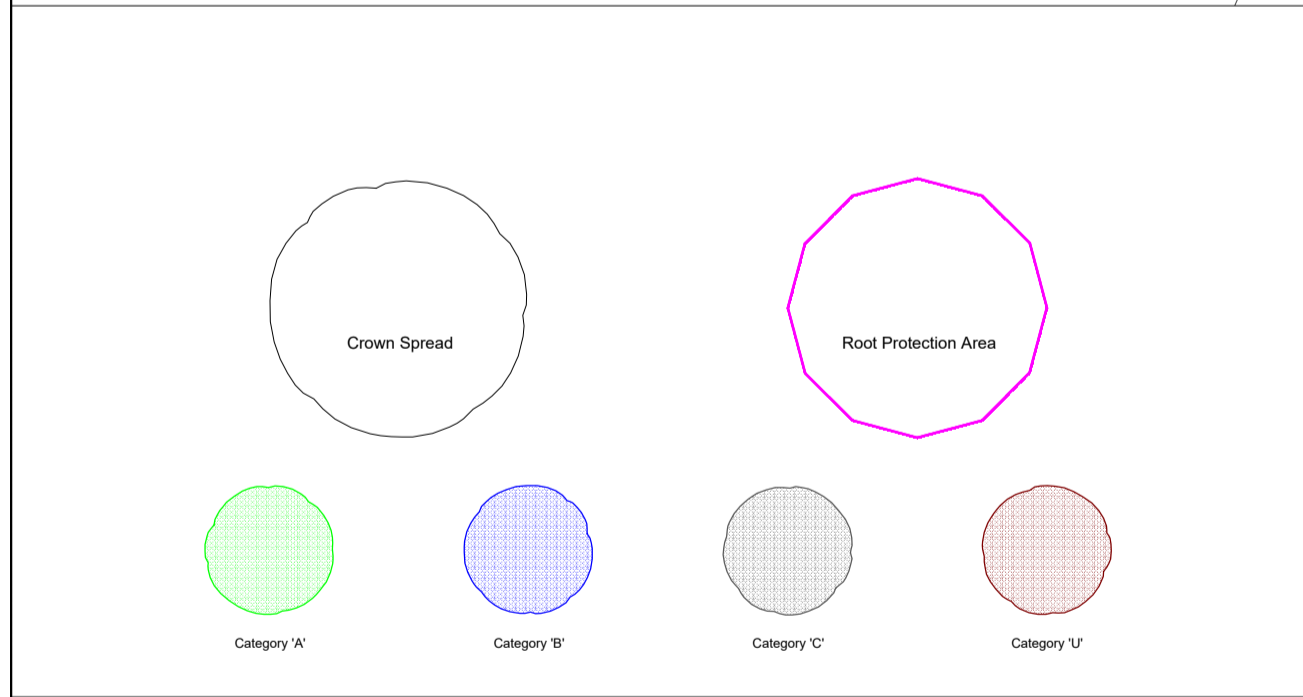
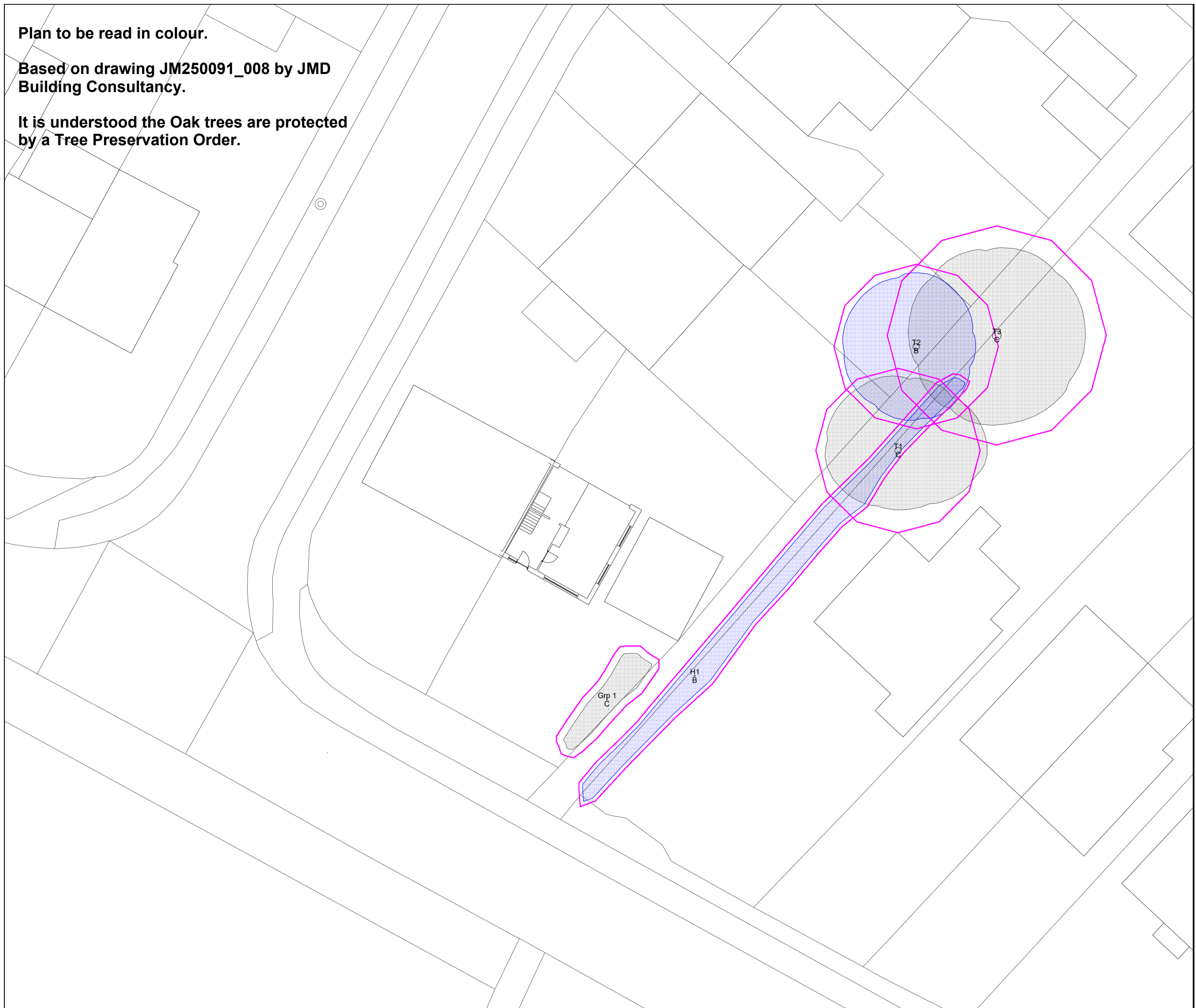
Tree No	Species	H't (m)	Single/Multi-Stemmed (S or MS)	Stem Diam (mm)	Root Protection Area (m <sup>2</sup> )	Root Protection Distance (m)	Branch Spread (m)	H't of Crown AGL (m)	Life Stage	Physiological Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
1	Pedunculate Oak <i>Quercus robur</i>	9	S	Est 450	92	5.4	N 5 E 6 S 4 W 5	N 4 E 4 S 4 W 2.5	EM	Fair	Structural Condition - Fair  Offsite Unable to verify health and safety due to access Estimated data Trunk shape distorted Major deadwood in crown Appears to be in stress	None required at time of survey	20+	C1+2
2	Beech <i>Fagus sylvatica</i>	14	S	Est 450	92	5.4	N 5 E 4 S 5 W 5	N 2.5 E 2.5 S 2.5 W 2.5	EM	Good	Structural Condition – Fair  Offsite Unable to verify health and safety due to access Estimated data Bifurcated at approximately 2.5m above ground level Minor deadwood in crown Crown shape distorted due to group pressure	None required at time of survey	20+	C1+2
3	Pedunculate Oak <i>Quercus robur</i>	16	S	Est 600	163	7.2	N 6 E 6 S 6 W 6	N 7 E 7 S 7 W 7	M	Good	Structural Condition – Fair  Offsite Unable to verify health and safety due to access Estimated data Deadwood in crown Previously pollarded/heavily crown reduced	None required at time of survey	20+	C1
Grp 1	Ribbonwood x3 Pyracantha x1	5	MS >6	60	1	0.6	N - E - S - W -	N - E - S - W -	SM	Good	Structural Condition – Fair  Boundary edge planting of 4 shrubs Multi stemmed from 0.5m above ground level Trunk and crown shapes distorted due to group pressure	None required at time of survey	10+	C2

Tree No	Species	H't (m)	Single/ Multi-Stemmed (S or MS)	Stem Diam (mm)	Root Protection Area (m <sup>2</sup> )	Root Protection Distance (m)	Branch Spread (m)	H't of Crown AGL (m)	Life Stage	Physiological Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
H1	Beech Privet	2.5	S	75	2.5	0.9	N - E - S - W -	N - E - S - W -	SM	Good	Structural Condition - Fair  Offsite Garden boundary hedge growing side of footpath Well maintained	None required at time of survey	20+	B2

Plan to be read in colour.

Based on drawing JM250091\_008 by JMD Building Consultancy.

It is understood the Oak trees are protected by a Tree Preservation Order.



# Arborsphere Ltd

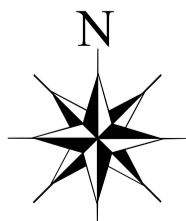
11 Cedar Avenue, Shirley  
Southampton, Hampshire, SO15 5GX  
info@arborsphere.co.uk www.arborsphere.co.uk

## Tree Survey Plan

48 Park Lane, Cowplain, Waterlooville, PO8 8BB

SCALE :  
1 : 200 @ A2

DATE :  
05/03/2026



MAP FILENAME :  
Arbor.48ParkLane.TSP.001

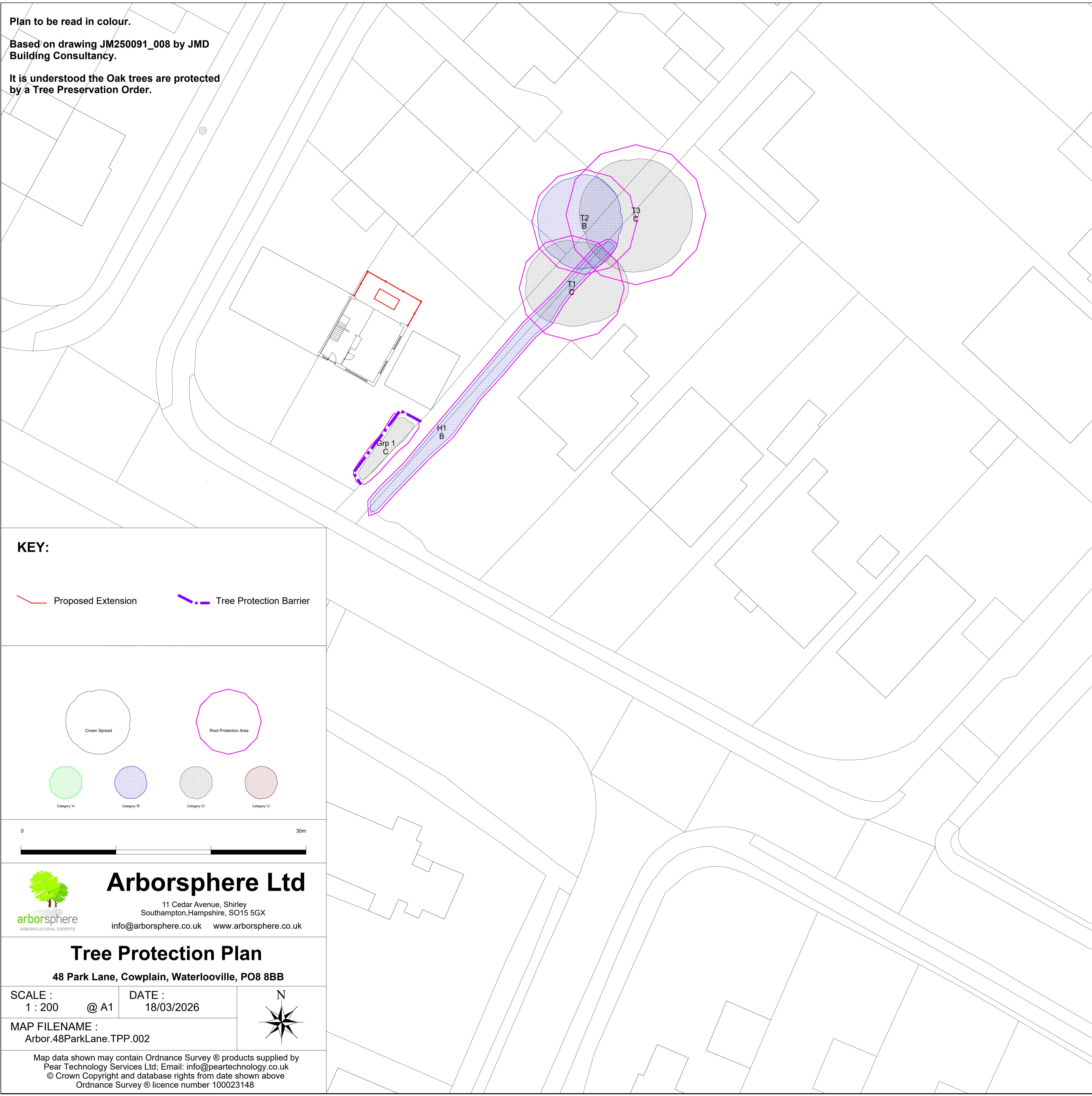
Map data shown may contain Ordnance Survey ® products supplied by Pear Technology Services Ltd; Email: info@peartechology.co.uk  
© Crown Copyright and database rights from date shown above  
Ordnance Survey ® licence number 100023148

AS2

Plan to be read in colour.

Based on drawing JM250091\_008 by JMD Building Consultancy.

It is understood the Oak trees are protected by a Tree Preservation Order.



**KEY:**

Proposed Extension (Red line)

Tree Protection Barrier (Purple dashed line)

Crown Spread (White circle)

Root Protection Area (Pink octagon)

Category 'A' (Green circle)

Category 'B' (Blue circle)

Category 'C' (Grey circle)

Category 'U' (Red circle)

0 30m

**Arborsphere Ltd**  
 11 Cedar Avenue, Shirley  
 Southampton, Hampshire, SO15 5GX  
 info@arborsphere.co.uk www.arborsphere.co.uk

**Tree Protection Plan**  
 48 Park Lane, Cowplain, Waterlooville, PO8 8BB

SCALE : 1 : 200 @ A1 DATE : 18/03/2026

MAP FILENAME : Arbor.48ParkLane.TPP.002

Map data shown may contain Ordnance Survey © products supplied by Pear Technology Services Ltd; Email: info@peartechology.co.uk © Crown Copyright and database rights from date shown above Ordnance Survey © licence number 100023148

B55837: 2012 TREE SURVEY REPORT	
Site:	48 Park Lane, Cowplain, Waterlooville, PO8 8BB
Date:	3 <sup>rd</sup> March 2026
Consultant:	Stefan Rose BSc (Hons), TechCert ArborA, TechArborA
Tagged:	No

- Notes:
- It may be advised that some trees should have the ivy removed to enable a re-survey to be carried out. This would also alleviate the tree from becoming suppressed, carrying additional weight that increases the chance of windthrow due to a larger dense crown area, and only receiving restricted light. Unless otherwise stated, in order to prevent regrowth, it is only necessary to remove a 300mm section of ivy and clear around the base.
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  - Tree Groups have been assessed with estimated and representative data.
  - This is not a Tree Works Schedule. Any preliminary management recommendations are listed in the interests of health and safety and should be carried out by a prudent tree owner.
  - Any management recommendations are suggested for reasons of health and safety only, regardless of development proposals at this stage. However, the defects requiring remedial tree surgery are by their very nature potential wildlife habitats, including protected species which needs consideration prior to any tree surgery works commencing.
  - a) At this stage the Root Protection Area (RPA) information is for your guidance and ongoing discussion purposes only as it assumes that all but the 'U' grade trees will be retained, which may not be the case. b) For all single stem trees with a stem diameter greater than 1250mm, and multi-stem trees with a stem diameter greater than 1500mm, the calculated RPA has been capped at 707m<sup>2</sup> in accordance with Section 4.6.3 of BS5837:2012.

**Tree Preservation Order/Conservation Area:**  
 Planning correspondence during the validation period informed that two trees are protected by a Tree Preservation Order, it is assumed that this is the two Oak trees at this time, specific details were not provided. It is understood that the site is not within a Conservation Area at the time of compiling this schedule. Prior to carrying out works on these trees or works that may impact on their rooting systems consent may need to be sought from the Council and checks should be made with the Authority prior to the work commencing.

Tree No	Species	HT (m)	Single/ Multi-Stemmed (S/M)	Stem Dia (cm)	Root Protection Area (m <sup>2</sup> )	Root Protection Diameter (m)	Bench Spread (m)	HT of Crown (m)	Life Stage	Physiological Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat.
1	Pedunculata Oak Quercus robur	9	S	Est 450	92	5.4	N 5 E 4 S 4 W 5	N 4 E 4 S 4 W 2.5	Early Mature	Fair	Structural Condition - Fair Offsite Unable to verify health and safety due to access Trunk shape distorted Major deadwood in crown Appears to be in stress	None required at time of survey	20+	C1+2
2	Beech Fagus sylvatica	14	S	Est 450	92	5.4	N 5 E 4 S 5 W 5	N 2.5 E 2.5 S 2.5 W 2.5	Early Mature	Good	Structural Condition - Fair Offsite Unable to verify health and safety due to access Estimated data Sillvated at approximately 2.5m above ground level Minor deadwood in crown Crown shape distorted due to group pressure	None required at time of survey	20+	C1+2
3	Pedunculata Oak Quercus robur	16	S	Est 600	163	7.2	N 6 E 6 S 6 W 6	N 7 E 7 S 7 W 7	Mature	Good	Structural Condition - Fair Offsite Unable to verify health and safety due to access Estimated data Deadwood in crown Prolonged pollarded/heavily crown reduced	None required at time of survey	20+	C1
Grp 1	Ribbonwood x3 Pyracantha x1	5	M/S-6	60	1	0.6	N - E - S - W -	N - E - S - W -	Semi Mature	Good	Structural Condition - Fair Boundary edge planting of 4 shrubs Multi stemmed from 0.5m above ground level Trunk and crown shapes distorted due to group pressure	None required at time of survey	10+	C2
H1	Beech Privet	2.5	S	75	2.5	0.9	N - E - S - W -	N - E - S - W -	Semi Mature	Good	Structural Condition - Fair Offsite Garden boundary hedge growing side of footpath Well maintained	None required at time of survey	20+	B2



**Mr Stefan Rose**  
**Arboricultural Consultant of Arborsphere Ltd**  
**Bsc (Hons), Tech Cert (Arbor.A), TechArborA**



Stefan Rose is an Arboricultural Consultant based in Hampshire and Director of Arborsphere Ltd. He holds the following qualifications relevant to arboriculture:

- Technicians Certificate in Arboriculture (Arboricultural Association)
- Professional Tree Inspection Certificate (Lantra Awards Ltd)
- Tree Surgery for Craftsmen (City and Guilds)

Professional Memberships:

- Technical member of the Arboricultural Association
- Member of the Royal Forestry Society

Stefan started Arborsphere Ltd in December 2011 and has been running the consultancy practice successfully for 12 years now with over 25yrs within the arboricultural industry, working with many clients across the South of England carrying out a range of arboricultural services from development site tree surveys and site supervision to health and safety tree inspections.

Prior to starting his own company, he was working as a Senior Consultant for CBA Trees based in Hampshire from 1998 to 2011 assessing a wide range of arboricultural issues for projects across the UK and maintains a directorate level of working with them currently. The focus related to carrying out tree surveys in accordance with the recommendations within BS5837:2012, looking at and advising on development sites in preparation for planning as well as the extensive involvement with major projects carrying out site monitoring and providing on going arboricultural advice. Work for smaller/private client was also an important part of his work enabling them to extend and improve homes in close proximity to trees.

Within his time at CBA Trees Stefan also undertook work as a locum Tree Officer for Eastleigh Borough Council, Fareham Borough Council, Havant Borough Council, Southampton City Council, Rushmoor Borough Council and most recently Hart District Council where he undertook the task of reviewing the status of Tree Preservation Orders, assessing tree work and planning applications. This provided him with a wide range of experience in respect of trees, the law and planning issues surrounding trees.

Stefan trained whilst in the position of Tree Surveyor with CBA Trees at both Merrist Wood (1998 and 2001 – 2002) and with Tree Life Training to continue this professional development. He holds the Professional Tree Inspectors Certificate.

