

Tree Survey and Impact Assessment

*for land at
former Durrington Gasworks,
Martlets Way,
Goring-by-Sea,
Worthing*

Bellway Homes Limited (Southern Counties)

April 2026

2440-KC-XX-YTREE-TreeSurvey-and-ImpactAssessment-RevB

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CAVEATS

This report has been prepared for planning purposes only. It is not intended for the detailed design of foundations that requires a much finer level of detail to ensure a cost-effective scheme of foundations.

This report considers the health and safety of the trees in their context at the time of survey. Trees are natural organisms subject to change and a range of weather conditions. This report can only be relied on for a period of twelve months or immediately prior to detailed designing of site layout (if phased) to ensure hazards posed by trees can be identified and resolved.

We rely on Council and Government websites for factual information in respect of sites. Experience reveals these are not always reliable. Further checks should be made in advance of undertaking any work to trees.

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Document history

Revision	Issue Status	Details	Approved/Date
Rev0	Final	Initial combined Tree Survey and Impact Assessment	JK / 18 December 2025
RevA	Final	Updated Impact Assessment	JK / 23 February 2026
RevB	Final	Updated Impact Assessment	JK / 29 April 2026

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1.0 Introduction

1.1 This report sets out the information about trees to inform the planning process about the quality of trees on site. Following the tree survey the information is extended to consider the impact to them from the proposed development and how construction may proceed whilst ensuring trees are successfully retained.

1.2 In this report we consider the proposals for development of the site. We consider those proposals in relation to the survey of trees we conducted as part of the site analysis. Site proposals are described as:

Full Planning Application for mixed-use development comprising 123 dwellings and commercial units with associated parking, landscaping, open space and drainage.

1.3 The area subject to this survey consists of the former Durrington Gasworks, located north of Barrington Road, Durrington.

1.4 The site is bounded to the east and south by residential dwellings. To the north the site has a boundary partly with a railway line and partly with an area of industrial units. To the west are further industrial units.

1.5 The land has been cleared of superstructure and is bounded, in part, by rows of early-mature holm oak. An area of land, north and central, contains numerous Monterey cypress of poor condition.

1.6 At the time of the tree survey we checked the online portals, including Worthing Borough Council for statutory protection of trees applicable to the site. Online portals are not always reliable so before works are undertaken to trees a direct enquiry with the Council should be made.

- **TREE PRESERVATION ORDERS** - details were available online and showed that there IS a Tree Preservation Order protecting trees upon the site. The Tree Preservation Order is included at Appendix 4.
- **CONSERVATION AREAS** - details were available online and confirmed that the site IS NOT within a Conservation Area.
- The MAGIC information portal revealed that Ancient and Semi-Natural Woodland IS NOT located within/adjacent to the site. Land upon the site IS NOT listed on the Priority Habitat Inventory - Deciduous Woodland (England)
- The online portal of the Woodland Trust, Ancient Tree Inventory, revealed that there are NO veteran trees recorded on site.

- 1.7 Nationally adopted guidance has been followed in the preparation of this report. *BS5837:2012: Trees in relation to design, demolition and construction – Recommendations* sets out a structure approach to considering trees during the development process. Guidance is given on the surveying of trees, the protected space that should be allocated to trees, what elements may give rise to harm to trees and what techniques can be deployed to minimise harm.
- 1.8 Sustainable development requires the coordination between disciplines throughout the project, accordingly the package of arboricultural information supports the design process and follows through to construction ensuring effective tree protection. We recognise the need to integrate with other disciplines to achieve a balanced approach to development proposals.
- 1.9 We set out how our key elements interact with others at [Appendix1](#) of this report. The appendix provides comprehensive information about the stages of providing tree information within the planning process.
- 1.10 Further explanatory notes about tree survey information are given in [Appendix2](#).

2.0 Tree survey

- 2.1 The objective of this tree survey is to assess the significant trees and woody vegetation on the site to obtain dimensions, assess their quality and evaluate their condition to provide sufficient information to enable decisions to be made on planning aspects of the site and its potential development.
- 2.2 The tree survey:
 - 2.2.1 was conducted on the 13 August 2025 by Jago Keen, MSc, Dip.Arb., MArborA, MICFor from ground level, in accordance with the guidance in British Standard *BS5837:2012 Trees in relation to design, demolition and construction – Recommendations*;
 - 2.2.2 is intended for planning purposes only;
 - 2.2.3 is not intended for the detailed design of foundations (further information upon vegetation can be provided upon request);
 - 2.2.4 is not a detailed health and safety condition survey of trees;

- 2.2.5 recommends only preliminary works. Tree works required to achieve the scheme of development will be considered as part of the Impact Assessment and detailed on the Tree Protection Plan;
- 2.2.6 places reliance on the topographical survey.
- 2.3 Details of each tree are recorded in the Schedule of Trees at [Appendix3](#).
- 2.4 Site soil investigations have not been conducted. The (online) 'Geology of Britain Viewer' that contains British Geological Survey materials © NERC [2018] reveals the following soil information:
 - 2.4.1 Bedrock geology: Lewes Nodular Chalk Formation - Chalk.
 - 2.4.2 Superficial deposits: River Terrace Deposits - Sand, silt and clay..
- 2.5 Survey information is used to prepare the constraints posed by trees on development. These constraints are shown on the Tree Constraints Plan. The Plan shows root protection areas prescribed by the guidance within BS5837 paragraph 4.6.2 and adjusted where appropriate as recommended in subsequent paragraph 4.6.3. The root protection area (RPA) is the minimum extent of rooting required to sustain the tree.
- 2.6 Trees change over time hence the contents of this survey can only be relied upon for a period of up to two years. The survey should be refreshed after two years or immediately prior to the design of detailed site layouts where they are phased.

3.0 Application of survey information

- 3.1 Trees place constraints on sites but they also provide opportunities in order to achieve optimum use of the site and location of built structures. This is set out below:

Avoid

The starting point of site layout design should be to avoid the RPA. Ideally, structures should be outside the root protection area to provide working space for construction however protection measures can be taken if such clearance, in isolated cases, is not achievable.

Mitigate

Where intrusion within the RPA is unavoidable then its impact on the tree can be mitigated by specialist measures:

- a) Foundations that avoid trenching e.g. screw piles, suspended floor slabs or casting at ground level for lightweight structures such as bin and cycle stores.
- b) Limited use may be made for parking, drives or hard surfaces within the root protection areas, subject to advice from a qualified arboriculturist. Cellular confinement systems that enable hard surfaces to be built above existing soil levels are acceptable methods.
- c) Service runs that cannot be routed outside the root protection area(s) can be installed by, for example, thrust boring, directional drilling, air excavation or hand digging. These operations often require supervision by the project arboriculturist.

Compensate

Replacement planting can ensure the continuity of tree cover where tree removal is unavoidable. Offsite provision may be considered in some circumstances but this will require negotiation with the local planning authority.

4.0 Assessment of impact upon trees

- 4.1 This assessment will consider the impact upon trees of implementing the proposals shown on the drawings listed below:

Table 1 - List of drawings referred to in the impact assessment

Originator	Drg No	Title
CSA Environmental	CSA/7785/100 Rev C	Landscape Masterplan
Keen Consultants	2440-KC-XX-YTREE-TCP01RevA	Tree Constraints Plan
Keen Consultants	2440-KC-XX-YTREE-TPP01RevB	Tree Protection Plan

4.2 Site proposals considered in this application include:

4.2.1 Residential dwellings and commercial units

4.2.2 Access, parking and other hard surfaces

4.2.3 Utilities, services and SuDS schemes

4.2.4 New and replacement tree planting

4.3 The proposals are considered with reference to the following guidance documents referred to in this report:

Table 2 - List of documents used to inform the impact assessment

Originator	Title/Reference
British Standards Institute	<i>BS5837:2012 Trees in relation to design, demolition and construction – Recommendations</i>
Trees and Design Action Group	<i>Trees in the townscape: A guide for decision makers</i>
Ministry of Housing, Communities and Local Government	<i>National Planning Policy Framework (NPPF)</i>

4.4 National planning policy (paragraph 136 of the NPPF refers) makes clear the important contribution made by trees to the character and quality of built environments. Trees help to mitigate and adapt to climate change. The application proposals are respectful of the benefits trees provide and have been developed to ensure the retention of trees and the incorporation of new trees within the layout.

4.5 In summary, the proposals embrace the presence of the existing trees, seeking to minimise impact to them whilst seeking to optimise the site in accordance with planning policy. New tree planting is proposed to diversify the tree portfolio and introduce a verdant setting for the development.

Impact of application proposals

- 4.6 The proposed layout of dwellings has been mindful of the presence of trees and sought to arrange the dwelling sympathetically with the retained trees. Dwellings have been set tangentially to the rows of trees or, in the case of the southern row of trees, have been separated by a wide maintenance strip. This ensures the trees are retained outside the curtilage of individual properties and can be maintained by the management company, ensuring appropriate long-term management of the trees.

- 4.7 It is necessary to remove trees to accommodate the proposed dwellings. The northern row of holm oaks (numbers 19 to 41) need to be removed to make efficient and effective use of the northern portion of site. These trees are not protected by the tree preservation order, perhaps in anticipation they would need to be removed to permit the site to be optimised.

- 4.8 A group of mostly Monterey cypress (trees 43, 44) and other outlying Monterey cypress of poor quality (including trees 45, 69 and 75 to 77) are also proposed for removal due to their low quality and value, and potential to properly utilise the land in which they stand. These trees are also not protected by the tree preservation order.

- 4.9 Access to the site, via the south east corner, makes use of an existing opening in the trees. A secondary access in the north east corner of the site requires the loss of four holm oaks (numbers 6 to 9). This creates a further opening in the row of trees, creating a further break in what was a dominant block of evergreen trees.

- 4.10 As the access progresses toward the west it passes through another dominant line of holm oak. Here, the access will require the loss of seven trees (trees 71, 72, 113 and four stems from group 114). This will divide the dominant bank of evergreens whilst permitting access to the western parcel.

- 4.11 Access in the north east corner of the site requires a break in the line of holm oaks. Trees 6 to 9 need to be removed. The access lies partially within the notional root protection area of tree 10 but, given the close arrangement of trees I doubt any material quantity of roots from this tree will be present within the footprint of the access given the competition for rooting environment with adjacent trees. As such it is proposed to retain tree 10 rather than lose another specimen.

- 4.12 The proposed commercial building at the western end of the site is remote from trees and can therefore be constructed without harm to trees.

- 4.13 An acoustic barrier is proposed along parts of the northern boundary. Where it is within the root protection area of retained trees the post holes necessary to form the foundations for each post can be excavated by hand. This will ensure the retention of significant roots in excess of 25mm diameter. Where roots are located adjacent to the post hole the hole can be lined with polythene to prevent concrete coming into contact with the roots. Adopting this approach avoids harm to the trees.
- 4.14 The remainder of the proposed layout of hard surfaces is remote from, or only marginally intrudes within, the root protection areas of retained trees so no specialist measures are required for their construction.
- 4.15 Localised pruning of trees, to integrate them with their new surroundings, will be required. The scale of pruning is minimal and will not result in material harm to the health of the trees nor materially diminish the amenity provided by the trees.

Impact of drainage and services

- 4.16 The proposed drainage and services are shown on the tree protection plan and have been designed to locate them outside of root protection areas of retained trees. In these locations they can be installed conventionally, requiring no specialist measures for their installation.
- 4.17 If services do need to be installed within root protection areas then specialist techniques for their installation will be needed. Such specialist techniques include moling, thrust-boring, broken trench or excavation by AirSpade.

5.0 New and replacement tree planting

- 5.1 The development proposals bring forward opportunity to plant a selection of trees throughout the development. New planting along streets, open spaces and within the arrangement of parking is proposed to supplement the retained trees.
- 5.2 Retaining existing trees and introducing new trees ensures a resource of trees in places where residents and visitors alike will enjoy multiple benefits provided by the tree stock. In so doing the tree stock will be able to withstand climate change, protecting and enhancing the resources of soil, air, water, landscape, amenity value, culture and biodiversity, and increasing the contribution that trees make to the quality of life. In that respect the proposals are in line with the very latest guidance, in terms of integrating trees with built form, contained in *Trees in the townscape: A guide for decision makers* produced by the Trees and Design Action Group and the requirement of paragraph 136 of the National Planning Policy Framework.

- 5.3 Those multiple benefits of this new tree planting, as part of the site's green infrastructure, include contribution to open space, enhancement of sustainable drainage systems, and enhancement of biodiversity. In addition, as those new trees develop, so they will further contribute to local climatic regulation and, where they stand within the sun path of proposed buildings or surfaces within the development, they will minimise solar gain during summer months, and provide an accessible choice of shade and shelter.

6.0 Protection of trees during construction

- 6.1 To ensure the retained trees are safeguarded a tree protection plan has been prepared to show the location of protective measures. These measures need to be implemented in advance of construction and maintained until such time as soft landscape proposals require their removal.
- 6.2 In some instances specialist construction techniques or approaches are indicated on the protection plan. These shall be implemented in accordance with site progress.

7.0 Summary of impact assessment

- 7.1 The proposed development results in the loss of very few trees. This loss is necessary in order to make efficient and effective use of the site but still retains significant tree features, mainly around the perimeter of the site.
- 7.2 Hard surfaces are located outside, or marginally within, the root protection areas of retained trees and can be constructed conventionally.
- 7.3 Services and utility installation are mostly sited remote from trees but if they do need to be located within root protection areas specialist measures can be deployed for their installation to minimise harm to retained trees.
- 7.4 New and replacement tree planting is provided as part of these development proposals. This new cohort of trees can provide a diverse portfolio of tree cover to ensure sustainability of green infrastructure in the future.
- 7.5 The application proposals recognise the important contribution trees make to the character and quality of built environments, and the role they play to help mitigate and adapt to climate change. The proposals seek to retain existing trees and integrate new trees in accordance with the requirement of local and national planning policy.

Appendix 1

Introduction to key elements of tree information

Sustainable development requires the coordination between disciplines throughout the project, accordingly the package of arboricultural information supports the design process and follows through to construction ensuring effective tree protection.

Keen Consultants break the process down to coordinate with the key elements within both the RIBA Plan of Work (2020) and 'British Standard 5837:2012 Trees in relation to design, demolition and construction – Recommendations', this is set out in the table and explained below.

Figure 1 - Keen Consultants co-ordinated approach with cross references to key guidance.

Keen Consultants Tree Information	RIBA Stage	BS5837
Tree Survey	Stage 1: Preparation and Briefing	Feasibility
↓	↓	↓
Impact Assessment	Stage 3: Spatial Coordination	Proposals
↓	↓	↓
Method Statement	Stage 4: Technical design	Technical Design
↓	↓	↓
Site Monitoring	Stage 5: Manufacturing and Construction	Demolition and construction

This cross referenced approach ensures trees are a material consideration and those to be retained will be safeguarded.

Tree Survey and Tree Constraints Plan

To inform the design and layout of the proposed development a tree survey has been undertaken to identify the size and quality of trees both within the site and immediately offsite. We have then used this information to prepare the Tree Constraints Plan drawing that shows the location of each tree, its size and the area around each tree that needs to be considered during the design process. Once prepared this information has been provided to the design team so that they know what constraints the trees pose.

Impact Assessment and Tree Protection Plan

During the design process the design team has consulted with the arboriculturist to ascertain if constraints may be breached, consider options emerging from the design and what spaces for new trees are needed.

Once the design was finalised an impact assessment has been prepared to accompany the planning application. The impact assessment demonstrates the proposals meet national and local planning policy and guidance. It demonstrates the benefits of the retained trees and incorporates new tree planting.

Another essential element of any application is the Tree Protection Plan.

Method Statement

This statement sets out in words how each element of work is undertaken in relation to the trees. It dictates when activities occur and the method that will be used to achieve them. It will also set out a scheme of monitoring and supervision.

Site Monitoring

Following the receipt of planning consent, it is a requirement that the installation of the protective barriers and ground protection are supervised, together with operations such as excavations or surfacing close to trees.

This varies according to the intensity of development near trees, the process is set out to ensure what is planned for in the Tree Protection Plan and method statement is delivered.

Appendix 2

Tree Survey Explanatory Notes

The survey of trees has been carried out in accordance with the criteria set out in Chapter 4 of *British Standard 5837:2012 Trees in relation to design, demolition and construction-Recommendations* (BS5837). The survey has been undertaken by the qualified and experienced arboriculturist detailed at Table 1 of this report and they recorded information relating to all those trees within the site and those immediately adjacent to the site which may be of influence to layout design.

The results are recorded in the Schedule of Trees at Appendix 3.

Schedule of trees

Appendix 3 presents details of the individual trees, groups and hedgerows including heights, diameters at breast height, crown spread (given as a radial measurement of cardinal points from the stem), age class, comments as to the overall condition at the time of inspection, BS5837 category of quality and suitability for retention, and the root protection area information.

General observations particularly of structural and physiological condition for example the presence of any decay and physical defect and preliminary management recommendations have also been recorded where appropriate.

Details of the individual trees, groups and hedgerows

All trees were assessed for their quality and benefits within the context of proposed development in a transparent, understandable and systematic way.

Individuals

The default position is to record each tree as an individual for its unique contribution to the landscape

Groups and woodlands

Trees have been assessed as groups where it has been determined appropriate by the surveyor. The term group has been applied where trees form cohesive arboricultural features either aerodynamically, visually or culturally.

Hedges and shrub masses

We consider a hedgerow to typically comprise a line of trees or shrubs that currently is subject to, or has undergone, a pruning regime to contain its dimensions.

For the tree survey hedgerows and substantial internal or boundary hedges (including evergreen screens) have either been recorded in the Tree Schedule, including lateral spread, height and stem diameter(s), or indicated on the Tree Constraints Plan.

A tree survey in accordance with BS5837 does not assess hedgerows against *The Hedgerow Regulations 1997* or specifically from an ecological perspective, as such would be outside the scope of the British Standard assessment.

Shrub masses are collectives of woody plants, rather than trees, and are recorded where they are a significant feature of the site. They have either been recorded in the Tree Schedule or indicated on the Tree Constraints Plan.

Individual trees within groups, woodlands and hedges

An assessment of individual trees within the groups has been made where there has been a clear need to differentiate between them for example, in order to highlight significant variation between attributes including physiological or structural condition or where a potential conflict may arise.

BS5837 Categorisation

Trees have been divided into one of four categories based on Table 1 of BS5837, 'Cascade chart for tree quality assessment'. For a tree to qualify under any given category it should fall within the scope of that category's definition (see below).

Category U trees are those which would be lost in the short term for reasons connected with their physiology or structural condition. They are, for this reason not considered in the planning process on arboricultural grounds. Categories A, B & C are applied to trees that should be of material considerations in the development process. Each category also having one of three further sub-categories (i, ii, iii) which are intended to reflect arboricultural, landscape and cultural or conservation values accordingly.

Please note that the estimated remaining life expectancy figures are taken for BS5837 and relate to their categorisation. The life expectancy figures are therefore arbitrary and may vary in reality.

Category (U)

Trees that have a serious irremediable structural defect such that their early loss is expected due to collapse and includes trees that will become unviable after removal of other category U trees.

Trees that are dead or are showing signs of significant, immediate or irreversible overall decline.

Trees that are infected with pathogens of significance to the health and/ or safety of other nearby trees or are very low quality trees suppressing adjacent trees of better quality.

Certain category U trees can have existing or potential conservation value which may make it desirable to preserve.

Category (A)

Shown green on Tree Constraints Plan: Trees that are considered for retention and are of high quality with an estimated remaining life expectancy of at least 40 years and with potential to make a lasting contribution. Such trees may comprise:

Sub categories

- 1) trees that are particularly good examples of their species, especially if rare or unusual, or are essential components of groups such as formal or semi-formal arboricultural features for example the dominant and/or principal trees within an avenue.
- 2) trees, groups or woodlands of particular visual importance as arboricultural and/or landscape features.
- 3) trees, groups or woodlands of significant conservation, historical, commemorative or other value for example veteran or wood pasture.

Category (B)

Shown blue on Tree Constraints Plan: Trees that are considered for retention and are of moderate quality with an estimated remaining life expectancy of at least 20 years and with potential to make a significant contribution. Such trees may comprise:

Sub categories

- 1) trees that might be included in category A but are downgraded because of impaired condition for example the presence of significant though remediable defects, including unsympathetic past management and storm damage.
- 2) 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.
- 3) trees with material conservation or other cultural value.

Category (C)

Shown grey on Tree Constraints Plan: Trees that are considered for retention and are of low quality with an estimated remaining life expectancy of at least 10 years or young trees with a stem diameter below 150mm. Such trees may comprise:

Sub categories

- 1) unremarkable trees of very limited merit or such impaired condition that they do not qualify in higher categories.
- 2) trees present in groups or woodlands, but without this conferring on them significantly greater collective landscape value or trees offering low or only temporary/transient screening benefits.
- 3) trees with no material conservation or other cultural value.

Devising BS5837 root protection areas

Default situation

The root protection area is a function of the stem diameter, it is multiplied by 12 to give a radius. For multi-stemmed trees the stems are combined to provide an effective diameter figure which is then multiplied.

Initially the root protection area should be plotted as a circle, and in many situation it remains a circle.

Influenced situation

Adjustments to the root protection area are made where pre-existing site conditions that would influence root distribution are present. Typically this will be buildings and retaining walls, lighter structures such as hard surfacing, sheds and garages generally do not have the same influence.

Ponds, rivers and watercourses will also influence root distribution as waterlogged soils are not conducive to root growth. Rainwater attenuation and ditches are likely to have a lesser impact if they are dry for significant periods.

Veteran trees

Natural England have introduced Standing Guidance that requires the allocation of buffer zones to veteran (including ancient) trees. They have prescribed that a buffer zone of 15 times the stem diameter of the tree is allocated. This will result in a buffer zone of larger size (Natural England do not specify what shape it shall be) than the root protection area. Where veteran trees are identified during the tree survey they are allocated a Natural England buffer zone on the Tree Constraints Plan.

The Guidance says no development can take place within the buffer zone. It is silent on what can and cannot be done when the land within the buffer zone is previously developed. The spirit of the guidance is to avoid harm to or improve the growing conditions of veteran trees.

With this added layer of protection it is important to establish if a tree is veteran or not. The Guidance was not intended to be applied to all mature trees but to the sub-set of trees that are of great age. This is analogous with the NPPF requirement to safeguard trees that have attained an age where they are worthy of veteran or ancient status.

It is therefore important to establish a basis for defining trees as veteran as opposed to those trees that may have veteran characteristics or those trees that are mature.

Stem size is a useful guide and, in combination with size, so are characteristics of the tree. If we consider the guidance on stem size being a suitable guide to classifying trees as veteran we see:

- a) The most up to date (2013) guidance is that in ¹*Ancient and other veteran trees: further guidance on management* edited by David Lonsdale and published by The Tree Council in conjunction with The Ancient Tree Forum. Lonsdale considers that many trees may have veteran characteristics at any age however proposes, at a species level, size thresholds when a tree may be considered a veteran. A chart (see Figure 1 below) lists, species by species, the size criteria for trees reaching veteran status and then moving on to the later, ancient stage of life. Of those species listed in the chart we only need consider oak. We see that until trees attain a stem girth of around 3.6m (equivalent stem diameter of 1.15m) then an oak is only considered to be 'Locally notable'
- b) A somewhat older (1999) publication, ²*Veteran Trees: A guide to good management* edited by Helen Read and published by English Nature et al, is very similar in its definition by setting out three distinct bands for oak trees:
 - i) those with a diameter of more than 1.0m are potentially interesting
 - ii) those with a diameter of more than 1.5m are valuable in terms of conservation
 - iii) those over 2.0m in diameter are truly ancient
- c) English Nature's own ³*Development of a veteran tree site assessment protocol (Report Number 628)* of 2005 sought to give more structure to grading sites where veteran trees were present. It considered that trees over 1.0m diameter could be classed as veteran.

¹ *Ancient and other veteran trees: further guidance on management* edited by David Lonsdale and published by The Tree Council in conjunction with The Ancient Tree Forum

² *Veteran Trees: A guide to good management* edited by Helen Read and published by English Nature et al

³ *Development of a veteran tree site assessment protocol (Report Number 628)* of 2005

In summary, a tree may enter its veteran stage at 1.0m diameter but a more reliable size threshold, as held out by the latest guidance on the matter, is 1.5m diameter.

The other factor, tree characteristics, is also worth considering as veteran tree characteristics can be found on even young trees. Of course, if we count every tree with veteran tree characteristics as veteran we do a disservice to those truly veteran trees that warrant protection.

Read (1999), as set out above, considers veteran tree characteristics as:

- large girth for species
- major trunk cavities or progressive hollowing
- naturally forming water pools
- decay hollows
- physical damage to trunk
- bark loss
- large quantities of deadwood within the crown
- sap runs
- crevices in the bark, under branches or on the root plate sheltered from direct rainfall
- fungal fruiting bodies
- high number of interdependent wildlife species
- epiphytic plants
- an 'old' look
- high aesthetic interest

Lonsdale (2013) adds to this list:

- progressive narrowing of successive annual increments in the stem
- changes in crown architecture
- progressive or episodic reduction in post-mature crown size, often known as retrenchment

Lonsdale also states that "In order to qualify as a veteran, the tree should show signs of crown retrenchment and signs of decay in the trunk, branches or roots, such as exposed deadwood or fungal fruit bodies".

The English Nature Report Number 628 refers to Read (1999) for a list of veteran features but does add that in addition a tree may also:

- have a pollard form or show indications of past management
- have a cultural/historic value
- be in a prominent position in the landscape

These three criteria, when examined, are not truly indicative of a veteran tree on their own as these criteria could be applied to street trees in peri-urban locations that date from the mid-20th century - many of those are of pollard form, have cultural and historic value and a prominent position in the landscape.

In summary, it is important to consider the size of the tree and its characteristics. Just because a tree is mature does not mean it is veteran neither does the presence of veteran characteristics alone.

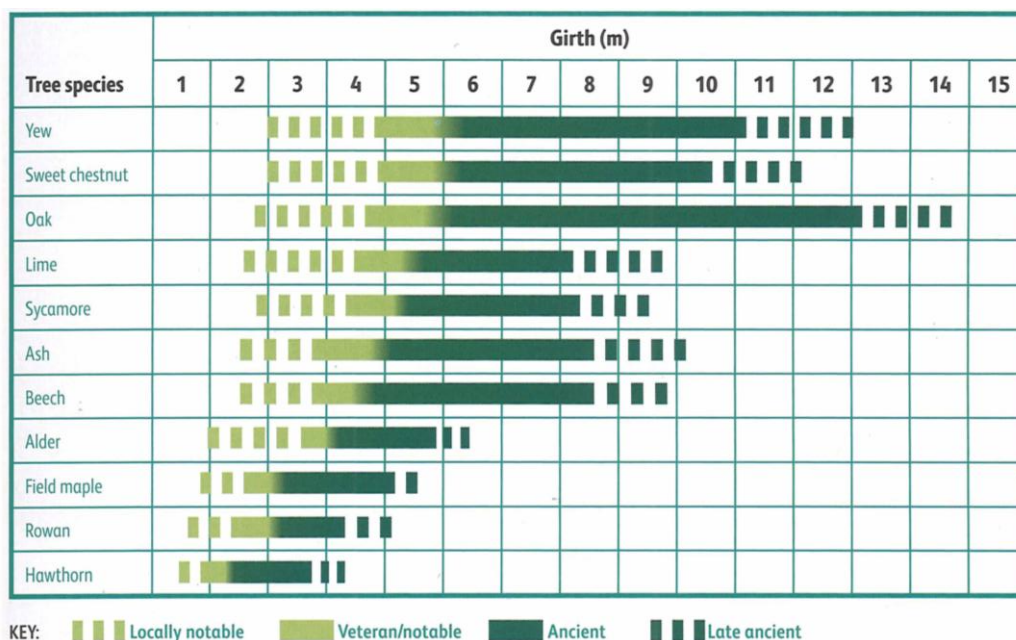


Figure 1- Chart of girth in relation to age and developmental classification of trees

Appendix 3

Schedule of Trees

*for land at
former Durrington Gasworks,
Martlets Way,
Goring-by-Sea,
Worthing*

Key to Tree Schedule

Column Heading	Explanation
Tree No.	Unique number corresponding with number on plan
Species	English names
Ht (m)	Height in metres
Branch Spread	Crown radius in metres to cardinal points of the compass
Stem diameters (cm)	All measurements conform to Annex C of BS 5837:2012 Single stem - Stem diameter in centimetres measured at 1.5m above ground level. Multi-stemmed tree with 2 to 5 stems – Diameter of each stem Multi-stemmed tree with more than 5 stems – Average stem diameter and number of stems
Height of crown clearance	Height in metres between the ground and underside of canopy
Height of first major branch and direction of growth	Height from ground level to base of first major branch and the approximate direction of growth
Abbreviations as suffix to a dimension	<i>Suffix 'e' denotes an estimated dimension.</i> <i>Suffix 'av' denotes an average dimension</i>
Age class	Age Class definitions: Y = Young S = Semi-mature E = Early mature M = Mature O = Over mature
Category grading (see Appendix A2 for detailed explanation) and Estimated remaining contribution (yrs)	Summary of BS 5837: 2012 categorisation: 1. Trees that do not warrant consideration for retention: U = those in such a condition that any existing value would be lost within 10 years and which should, in the current context, be removed for reasons of sound arboricultural management. 2. Trees to be considered for retention: A1, 2 or 3 = trees of high quality and value (substantial contribution >40 yrs) B1, 2 or 3 = trees of moderate quality and value (significant Contribution >20 yrs) C1, 2 or 3 = trees of low quality and value (but adequate, ie >10 yrs or young trees – until new planting can be established)
Estimated remaining contribution	Useful estimated remaining contribution of the tree or tree group
Condition	Brief description including physiological and structural defects
Preliminary management recommendations	Describes current arboricultural requirement for the tree in its current context and should be undertaken as soon as reasonably practicable.
Root protection radius	Radius of minimum root protection area in metres calculated from section 4.6 and Annex D of BS5837:2012
Root protection area	Total area of minimum root protection area extrapolated from root protection radius

Schedule of trees at Durrington Gasworks (Elizabeth Square Phase 2), Martlets Way, Goring-by-Sea, Worthing

Tree No.	Species	Ht (m)	Branch Spread (m)				Stem diameters (cm)								Height of crown clearance (m)	Height of first branch (m) and direction (compass point)	Age class	Category grading	Estimated remaining contribution (yrs)	Condition Physiological / Structural	Tree Works to BS3998	Root protection radius (m)	Root protection area sq.m
							Single Stem	2-5 stems					More than 5 stems										
			N	E	S	W		Stem 1	Stem 2	Stem 3	Stem 4	Stem 5	Mean dia	No. stems									
1	Holm oak	19	9	11	5	10	109								2	5W	E	B2	>20	Forms part of a row of trees along eastern edge of site. All close growing. Lower stems partially smothered in ivy.	Crown lift to 5m above site side.	13.08	538
2	Holm oak																	U	<10	Dead	Remove.		
3	Holm oak	18	6	8	3	9		57	49						2	4W	E	B2	>20	Contributes to tree group at eastern edge of site. Decay in lower stem.	Crown lift to 5m above site side.	9.02	256
4	Holm oak	15	5	4	3	7		25	39						2	3W	E	B2	>20	Contributes to tree group at eastern edge of site.	Crown lift to 5m above ground level.	5.56	97
5	Holm oak	14	5	6	1	7	47								2	2N	E	B2	>20	Contributes to tree group at eastern edge of site.	Crown lift to 5m above site side.	5.64	100
6	Holm oak	15	2	6	3	7	48								2	2SE	E	B2	>20	Contributes to tree group at eastern edge of site. Small decay pocket in lower stem.	Remove.	5.76	104
7	Holm oak	16	2	2	3	8	47								2	4W	E	B2	>20	Contributes to tree group at eastern edge of site.	Remove.	5.64	100
8	Holm oak	17	5	7	7	7	47								6	6S	E	B2	>20	Contributes to tree group at eastern edge of site.	Remove.	5.64	100
9	Holm oak	17	2	7	6	8	54								2	2W	E	B2	>20	Contributes to tree group at eastern edge of site.	Remove.	6.48	132
10	Holm oak	17	8	7	5	6		57	41						3	3E	E	B2	>20	Contributes to tree group at eastern edge of site.	Crown lift to 5m above site side.	8.43	223
11	Holm oak	16	6	7	3	8		47	46						2	2E	E	B2	>20	Contributes to tree group at eastern edge of site.	Crown lift to 5m above site side.	7.89	196
12	Holm oak	17	7	7	5	9	91								5	5W	E	B2	>20	Contributes to tree group at eastern edge of site.		10.92	375
13	Holm oak	18	9	8	6	8	86								5	5E	E	B2	>20	Contributes to tree group at eastern edge of site.		10.32	335
14	Holm oak	16	9	9	2	9		44	49						2	2E	E	B2	>20	Contributes to tree group at eastern edge of site.	Crown lift to 5m above site side.	7.90	196
15	Holm oak	14	2	0	0	3	23								5	5W	S	C2	>10	Contributes to tree group but dominated by its larger neighbours.		2.76	24
16	Holm oak	16	5	7	0	2	29								10	10NE	S	C2	>10	Contributes to tree group but dominated by its larger neighbours.		3.48	38
17	Holm oak	18	10	8	6	5	69								7	7N	E	B2	>20	Forms part of a row of trees towards northern boundary of site.	Remove.	8.28	215

Schedule of trees at Durrington Gasworks (Elizabeth Square Phase 2), Martlets Way, Goring-by-Sea, Worthing

Tree No.	Species	Ht (m)	Branch Spread (m)				Stem diameters (cm)								Height of crown clearance (m)	Height of first branch (m) and direction (compass point)	Age class	Category grading	Estimated remaining contribution (yrs)	Condition Physiological / Structural	Tree Works to BS3998	Root protection radius (m)	Root protection area sq.m
							Single Stem	2-5 stems					More than 5 stems										
			N	E	S	W		Stem 1	Stem 2	Stem 3	Stem 4	Stem 5	Mean dia	No. stems									
18	Leyland cypress	15av	5av				25av								3	3W	S	C2	>10	Row of outgrown conifers in adjoining site.	Removed in separate application.	3.00	28
19	Holm oak	15	9	7	9	0	59								3	4S	E	B2	>20	Forms part of a row of trees towards northern boundary of site. Small decay cavity at base.	Remove.	7.08	157
20	Holm oak	17	8	6	8	7	65e								3	3S	E	B2	>20	Forms part of a row of trees towards northern boundary of site. Dense ivy smothering lower trunk.	Remove.	7.80	191
21	Holm oak	16	9	2	7	3	50e								2	2N	E	B2	>20	Forms part of a row of trees towards northern boundary of site. Dense ivy smothering lower trunk.	Remove.	6.00	113
22	Holm oak	10	5	0	0	2	40e								2	5N	E	U	<10	Predominantly dead. Ivy smothered main stem.	Remove.	4.80	72
23	Holm oak	16	8	2	7	3		40e	55e						2	6S	E	B2	>20	Contributes to row of trees toward northern boundary. Both stems smothered in ivy.	Remove.	8.16	209
24	Holm oak	17	7	3	8	6	97								2	5S	E	B2	>20	Contributes to row of trees toward northern boundary of site.	Remove.	11.64	426
25	Holm oak	16	7	2	8	5	70e								3	5S	E	B2	>20	Contributes to row of trees toward northern boundary of site. Ivy covered main stem.	Remove.	8.40	222
26	Holm oak	13	5	1	4	3	34								2	3N	E	B2	>20	Contributes to row of trees toward northern boundary of site. Ivy covered main stem.	Remove.	4.08	52
27	Holm oak	16	5	4	8	3	55e								2	3S	E	B2	>20	Contributes to row of trees toward northern boundary of site. Ivy covered main stem.	Remove.	6.60	137
28	Holm oak	14	4	2	6	3	50e								3	3N	E	B2	>20	Contributes to row of trees toward northern boundary of site. Ivy covered main stem.	Remove.	6.00	113
29	Holm oak	16	2	3	7	3	57								2	2E	E	B2	>20	Contributes to row of trees toward northern boundary of site.	Remove.	6.84	147

Schedule of trees at Durrington Gasworks (Elizabeth Square Phase 2), Martlets Way, Goring-by-Sea, Worthing

Tree No.	Species	Ht (m)	Branch Spread (m)				Stem diameters (cm)								Height of crown clearance (m)	Height of first branch (m) and direction (compass point)	Age class	Category grading	Estimated remaining contribution (yrs)	Condition Physiological / Structural	Tree Works to BS3998	Root protection radius (m)	Root protection area sq.m
							Single Stem	2-5 stems					More than 5 stems										
			N	E	S	W		Stem 1	Stem 2	Stem 3	Stem 4	Stem 5	Mean dia	No. stems									
30	Holm oak	17	7	2	7	5	60e								2	2S	E	B2	>20	Contributes to row of trees toward northern boundary of site. Ivy covered main stem.	Remove.	7.20	163
31	Holm oak	14	0	2	7	0	30e								2	2S	E	B2	>20	Contributes to row of trees toward northern boundary of site. Ivy covered main stem.	Remove.	3.60	41
32	Holm oak	16	6	5	9	6	65e								2	2S	E	B2	>20	Contributes to row of trees toward northern boundary of site. Ivy covered main stem.	Remove.	7.80	191
33	Holm oak	17	3	3	8	4		48	52						2	5S	E	B2	>20	Twin stemmed from ground level. Contributes to a row of trees toward northern boundary of site.	Remove.	8.49	227
34	Holm oak	17	7	3	4	4	57								3	4N	E	B2	>20	Contributes to row of trees towards northern boundary of site.	Remove.	6.84	147
35	Holm oak	18	8	5	9	7	107								2	3N	E	B2	>20	Contributes to row of trees towards northern boundary of site.	Remove.	12.84	518
36	Holm oak	17	7	5	9	4	71								2	2E	E	B2	>20	Contributes to row of trees towards northern boundary of site.	Remove.	8.52	228
37	Holm oak	16	3	0	6	6	64								2	2SW	E	C2	>10	Dominated by adjoining larger trees. Some decay at circa 1.5 metres above ground level.	Remove.	7.68	185
38	Holm oak	18	9	6	10	6	107								2	4N	E	C2	>10	Larger component of row of trees growing towards northern boundary of site. Brackets of <i>Ganoderma</i> decay fungus at base.	Remove.	12.84	518
39	Holm oak	10	7	2	8	3	47								2	3S	E	C2	>10	Contributes towards row of trees towards boundary. Suppressed by it's larger neighbours.	Remove.	5.64	100
40	Holm oak	17	6	4	7	5		45e	37						7	7S	E	B2	>20	Contributes to row of trees growing towards northern boundary of site.	Remove.	6.99	154
41	Holm oak	14	5	4	8	7		69	61						2	2S	E	B2	>20	Contributes to row of trees growing towards northern boundary of site.	Remove.	11.05	384
42	Number not used on updated survey.																						

Schedule of trees at Durrington Gasworks (Elizabeth Square Phase 2), Martlets Way, Goring-by-Sea, Worthing

Tree No.	Species	Ht (m)	Branch Spread (m)				Stem diameters (cm)							Height of crown clearance (m)	Height of first branch (m) and direction (compass point)	Age class	Category grading	Estimated remaining contribution (yrs)	Condition Physiological / Structural	Tree Works to BS3998	Root protection radius (m)	Root protection area sq.m	
							Single Stem	2-5 stems					More than 5 stems										
			N	E	S	W		Stem 1	Stem 2	Stem 3	Stem 4	Stem 5	Mean dia										No. stems
43	Pair of silver birch	13av	4av				20av								2	2N	Y	C2	>10	Pair of slender stems. Development has been compromised by adjoining larger trees.	Remove.	2.40	18
44	Group of Monterey cypress	17av	8av				65av								0	-	E	C2	>10	Dense collection of trees growing towards northern west corner of site. All showing signs of coryneum canker. Several trees exhibiting stem failure as is typical of this species at this size. Group contains occasional elder, hawthorn and holme oak sapling.	Remove.	7.80	191
45	Monterey cypress	19	9	11	7	7	109								6	6E	E	U	<10	Large example of species but extensive decay pocket in main stem. Unsited to long term retention.	Remove.	13.08	538
46	Monterey cypress	18	9	8	7	7	97								2	2S	E	U	<10	Large example of species. Growing close to boundary fence. Stems beginning to fail.	Remove.	11.64	426
47	Holm oak	15	13	7	6	9	83								3	5N	E	B2	>20	Contributes to tree group along western side of the site. Main stem smothered in ivy.	Crown lift to 5m above ground level.	9.96	312
48	Holm oak	17	0	4	7	6	55e								11	11S	E	B2	>20	Contributes to tree group along western side of the site. Main stem smothered in ivy.		6.60	137
49	Holm oak	16	8	8	7	9		23	61	53	37				3	3NE	E	B2	>20	Contributes to tree group along western side of the site.	Crown lift to 5m above ground level.	11.02	381
50	Holm oak																	U	<10	Dead	Remove.		
51	Holm oak	14	7	6	2	7		77	63						3	3N	E	B2	>20	Contributes to tree group along western boundary of site. Partial covering of ivy along lower stem. Branches to the west have been cut back.	Crown lift to 5m above ground level.	11.94	448
52	Holm oak	10	5	3	2	7	32								2	2N	S	B2	>20	Contributes to tree group along western boundary of site.	Crown lift to 5m above ground level.	3.84	46
53	Holm oak	4	1	7	2	1	36								1.5	1.5E	S	B2	>20	Contributes to tree group along western boundary of site.	Crown lift to 5m above ground level.	4.32	59

Schedule of trees at Durrington Gasworks (Elizabeth Square Phase 2), Martlets Way, Goring-by-Sea, Worthing

Tree No.	Species	Ht (m)	Branch Spread (m)				Stem diameters (cm)								Height of crown clearance (m)	Height of first branch (m) and direction (compass point)	Age class	Category grading	Estimated remaining contribution (yrs)	Condition Physiological / Structural	Tree Works to BS3998	Root protection radius (m)	Root protection area sq.m
							Single Stem	2-5 stems					More than 5 stems										
			N	E	S	W		Stem 1	Stem 2	Stem 3	Stem 4	Stem 5	Mean dia	No. stems									
54	Holm oak	15	6	7	5	7		61	32						5	5W	E	B2	>20	Contributes to row of trees along western boundary of site.		8.27	215
55	Holm oak	18	5	8	8	5	79								3	3E	E	B2	>20	Contributes to row of trees along western boundary of site.	Crown lift to 5m above ground level.	9.48	282
56	Holm oak	17	2	3	8	7		37	26	34	41				2	2E	E	B2	>20	Contributes to row of trees along western boundary of site. Branches growing towards the west have been cut back.	Crown lift to 5m above ground level.	8.38	221
57	Holm oak	17	2	4	6	7		59	36						3	3E	E	B2	>20	Contributes to row of trees along western boundary of site. Branches growing towards the west have been cut back.	Crown lift to 5m above ground level.	8.29	216
58	Holm oak	10	2	4	1	0	24								3	3E	Y	C2	>10	Dominated by adjoining large trees.	Crown lift to 5m above ground level.	2.88	26
59	Holm oak	15	2	4	4	7	45e								2	2E	E	B2	>20	Contributes to row of tress on western boundary of site. Main stem is smothered in ivy.	Crown lift to 5m above ground level.	5.40	92
60	Holm oak	5	0	0	0	0		22	18						0	-	S	U	<10	Stem to west has been cut back. Stem to east has died.	Remove.	3.41	37
61	Holm oak	13	5	2	1	2	47								1	1W	E	B2	>20	Contributes to row of trees along western boundary of site. Lower stem covered in ivy. Stem extending to the west has been cut back.	Crown lift to 5m above ground level.	5.64	100
62	Holm oak	17	6	8	4	8	47								2	2E	E	B2	>20	Contributes to row of trees along western boundary of site.	Crown lift to 5m above ground level.	5.64	100
63	Holm oak	16	5	5	3	7		31	39						2	2E	E	B2	>20	Contributes to row of trees along western boundary of site.	Crown lift to 5m above ground level.	5.98	112
64	Holm oak	17	3	2	2	8		33	39						2	2E	E	B2	>20	Contributes to row of trees along western boundary of site.	Crown lift to 5m above ground level.	6.13	118
65	Holm oak	16	3	6	5	7	49								3	3E	E	B2	>20	Contributes to row of trees along western boundary of site.	Crown lift to 5m above ground level.	5.88	109
66	Holm oak	15	2	0	3	9	53								2	2E	E	B2	>20	Contributes to row of trees along western boundary of site. Branches growing towards the west have been cut back.	Crown lift to 5m above ground level.	6.36	127

Schedule of trees at Durrington Gasworks (Elizabeth Square Phase 2), Martlets Way, Goring-by-Sea, Worthing

Tree No.	Species	Ht (m)	Branch Spread (m)				Stem diameters (cm)								Height of crown clearance (m)	Height of first branch (m) and direction (compass point)	Age class	Category grading	Estimated remaining contribution (yrs)	Condition Physiological / Structural	Tree Works to BS3998	Root protection radius (m)	Root protection area sq.m
							Single Stem	2-5 stems					More than 5 stems										
			N	E	S	W		Stem 1	Stem 2	Stem 3	Stem 4	Stem 5	Mean dia	No. stems									
67	Holm oak	17	5	2	2	3		45	51						4	4N	E	B2	>20	Contributes to row of trees along western boundary of site. Branches growing towards the west have been cut back.	Crown lift to 5m above ground level.	8.16	209
68	Holm oak	17	2	7	8	5	70e								2	2W	E	B2	>20	Contributes to row of trees along western boundary of site. Branches growing towards the west have been cut back.	Crown lift to 5m above ground level.	8.40	222
69	Monterey cypress	19	5	9	8	5	94								3	6S	E	C2	>10	Contributes to tree group along western boundary. Attaining proportions where it is liable to stem failure. Some stems have already failed.	Remove.	11.28	400
70	Holm oak	12	2	2	5	7	36								2	2N	S	B2	>20	Contributes to tree group along western boundary of site.	Crown lift to 5m above ground level.	4.32	59
71	Holm oak	13	2	7	7	2		36	34						2	2E	E	B2	>20	Contributes to tree group along western boundary of site.	Remove.	5.94	111
72	Holm oak	14	2	7	7	7	47								2	2S	E	B2	>20	Contributes to tree group along western boundary of site.	Remove.	5.64	100
73	Number not used on updated survey.																						
74	Number not used on updated survey.																						
75	Monterey cypress	18	6	8	9	9	93								1.2	2S	E	C2	>10	One of a row of similar sized trees growing along fence line within site. Stems coalesce between circa 1 and 1.5 metres above ground level. Attaining proportions where stem failure is likely to occur. Exhibiting signs of coryneum canker.	Remove.	11.16	391
76	Monterey cypress	18	4	7	5	8	77								2	2W	E	C2	>10	One of a row of trees along fence line within site. Attaining proportions where stem failure is likely to occur. Exhibiting signs of coryneum canker.	Remove.	9.24	268
77	Monterey cypress	18	8	9	7	9		77	31	39					1.5	1.5N	E	C2	>10	One of a row of trees along fence line within site. Attaining proportions where stem failure is likely to occur. Exhibiting signs of coryneum canker.	Remove.	11.01	381

Schedule of trees at Durrington Gasworks (Elizabeth Square Phase 2), Martlets Way, Goring-by-Sea, Worthing

Tree No.	Species	Ht (m)	Branch Spread (m)				Stem diameters (cm)								Height of crown clearance (m)	Height of first branch (m) and direction (compass point)	Age class	Category grading	Estimated remaining contribution (yrs)	Condition Physiological / Structural	Tree Works to BS3998	Root protection radius (m)	Root protection area sq.m
							Single Stem	2-5 stems					More than 5 stems										
			N	E	S	W		Stem 1	Stem 2	Stem 3	Stem 4	Stem 5	Mean dia	No. stems									
78	Holm oak	16	7	7	4	4	55e								2	2S	E	B2	>20	Forms part of a line of trees growing beyond chain link fence.	Crown lift to 5m above site side.	6.60	137
79	Holm oak	10	2	1	3	4	25e								2	2W	Y	C2	>10	Forms part of a line of trees growing beyond chain link fence.	Crown lift to 5m above site side.	3.00	28
80	Ash	9	1	1	2	1	15e								2	2S	Y	C1	>10	Small tree growing beyond chain link fence. Ash Dieback.	Crown lift to 5m above site side.	1.80	10
81	Holm oak	17	8	7	9	4	65e								2	2N	E	B2	>20	Forms part of a line of trees growing beyond chain link fence. Ivy smothered stem.	Crown lift to 5m above site side.	7.80	191
82	Holm oak	17	7	4	7	3		65e	30e						2	3S	E	B2	>20	Forms part of a line of trees growing beyond chain link fence. Ivy smothered stem.	Crown lift to 5m above site side.	8.59	232
83	Holm oak	17	8	4	6	3		50e	35e						3	3S	E	B2	>20	Forms part of a line of trees growing beyond chain link fence. Ivy smothered stem.	Crown lift to 5m above site side.	7.32	169
84	Holm oak	16	7	4	5	4	45e								3	3S	E	B2	>20	Forms part of a line of trees growing beyond chain link fence. Ivy smothered stem.	Crown lift to 5m above site side.	5.40	92
85	Holm oak	13	7	3	5	4	45e								3	3S	E	B2	>20	Forms part of a line of trees growing beyond chain link fence. Ivy smothered stem.	Crown lift to 5m above site side.	5.40	92
86	Holm oak	17	6	5	7	4	60e								3	3S	E	B2	>20	Forms part of a line of trees growing beyond chain link fence. Ivy smothered stem.	Crown lift to 5m above site side.	7.20	163
87	Holm oak	13	6	3	5	4		30e	30e						3	3S	E	B2	>20	Forms part of a line of trees growing beyond chain link fence. Ivy smothered stem.	Crown lift to 5m above site side.	5.09	81
88	Holm oak	13	5	2	2	2	40e								3	3S	E	B2	>20	Forms part of a line of trees growing beyond chain link fence. Ivy smothered stem.		4.80	72
89	Holm oak	14	6	5	7	4	45e								3	3S	E	B2	>20	Forms part of a line of trees growing beyond chain link fence. Ivy smothered stem.	Crown lift to 5m above site side.	5.40	92

Schedule of trees at Durrington Gasworks (Elizabeth Square Phase 2), Martlets Way, Goring-by-Sea, Worthing

Tree No.	Species	Ht (m)	Branch Spread (m)				Stem diameters (cm)								Height of crown clearance (m)	Height of first branch (m) and direction (compass point)	Age class	Category grading	Estimated remaining contribution (yrs)	Condition Physiological / Structural	Tree Works to BS3998	Root protection radius (m)	Root protection area sq.m
							Single Stem	2-5 stems					More than 5 stems										
			N	E	S	W		Stem 1	Stem 2	Stem 3	Stem 4	Stem 5	Mean dia	No. stems									
90	Holm oak	15	8	7	5	3		45e	40e						3	3S	E	B2	>20	Forms part of a line of trees growing beyond chain link fence. Ivy smothered stem.	Crown lift to 5m above site side.	7.22	164
91	Holm oak	9	2	2	2	1	25e								3	3S	Y	C2	>10	Forms part of a line of trees growing beyond chain link fence. Ivy smothered stem.		3.00	28
92	Holm oak	17	9	7	9	4		65e	65e						3	3S	E	C2	>10	Forms part of a line of trees growing beyond chain link fence. Ivy smothered stem.	Crown lift to 5m above site side.	11.03	382
93	Holm oak	16	9	5	7	3	55e								2	2S	E	C2	>10	Forms part of a line of trees growing beyond chain link fence. Ivy smothered stem.	Crown lift to 5m above site side.	6.60	137
94	Holm oak	10	2	1	2	2	25e								2	2SW	S	C2	>10	Forms part of a line of trees growing beyond chain link fence. Ivy smothered stem.		3.00	28
95	Holm oak	16	9	8	7	2		45	45						3	3S	E	B2	>20	Part of a row of trees growing beyond chain link fence. Twin stemmed from ground level.	Crown lift to 5m above site side.	7.64	183
96	Holm oak	17	9	7	8	4		60e	45e	40e					3	3S	E	B2	>20	Part of a row of trees growing beyond chain link fence. Triple stemmed from ground level.	Crown lift to 5m above site side.	10.20	327
97	Holm oak	17	8	6	4	6		45e	45e						4	4N	E	B2	>20	Part of a row of trees growing beyond chain link fence. Twin stemmed from ground level.	Crown lift to 5m above site side.	7.64	183
98	Holm oak	16	2	3	5	2	40e								5	5S	E	B2	>20	Part of a row of trees growing beyond chain link fence.		4.80	72
99	Holm oak	17	8	5	8	3	60e								5	5S	E	B2	>20	Part of a row of trees growing beyond chain link fence.		7.20	163
100	Holm oak	17	9	5	6	6	60e								7	7S	E	B2	>20	Part of a row of trees growing beyond chain link fence.		7.20	163
101	Holm oak	17	7	5	8	7		60e	70e	20e					2	2S	E	B2	>20	Part of a row of trees growing beyond chain link fence.	Crown lift to 5m above site side.	11.32	403
102	Holm oak	7	3	6	4	1	30e								2	2E	S	C2	>10	Contributes to row of trees north of chain link fence.	Crown lift to 5m above site side.	3.60	41

Schedule of trees at Durrington Gasworks (Elizabeth Square Phase 2), Martlets Way, Goring-by-Sea, Worthing

Tree No.	Species	Ht (m)	Branch Spread (m)				Stem diameters (cm)								Height of crown clearance (m)	Height of first branch (m) and direction (compass point)	Age class	Category grading	Estimated remaining contribution (yrs)	Condition Physiological / Structural	Tree Works to BS3998	Root protection radius (m)	Root protection area sq.m
							Single Stem	2-5 stems					More than 5 stems										
			N	E	S	W		Stem 1	Stem 2	Stem 3	Stem 4	Stem 5	Mean dia	No. stems									
103	Holm oak	13	4	6	3	1	45e								4	4SE	E	B2	>20	Part of a row of trees growing north of chain link fence. Lower stem covered in ivy.	Crown lift to 5m above site side.	5.40	92
104	Holm oak	17	7	7	7	3		50e	50e						4	4S	E	B2	>20	Part of a row of trees growing north of chain link fence. Lower stem covered in ivy.	Crown lift to 5m above site side.	8.49	226
105	Holm oak	17	9	4	7	4		50e	45e	45e					4	4S	E	B2	>20	Part of a row of trees growing north of chain link fence. Lower stem covered in ivy.	Crown lift to 5m above site side.	9.71	296
106	Holm oak	15	7	5	6	6		40e	40e						4	4S	E	B2	>20	Part of a row of trees growing north of chain link fence. Lower stem covered in ivy.	Crown lift to 5m above site side.	6.79	145
107	Holm oak	17	10	8	7	7		50e	50e						2	2S	E	B2	>20	Part of a row of trees growing north of chain link fence. Lower stem covered in ivy.	Crown lift to 5m above site side.	8.49	226
108	Holm oak	16	7	4	6	6		35e	30e						2	2SW	E	B2	>20	Part of a row of trees growing north of chain link fence. Lower stem covered in ivy.	Crown lift to 5m above site side.	5.53	96
109	Pair of Monterey cypress	14av	7av				65av								4	4N	S	U	<10	Pair of trees in terminal decline. Unsited to long-term retention.		7.80	191
110	Purple Norway maple	16	6	7	7	7	70e								2	2N	E	B2	>20	Established tree growing beyond wall and within adjoining residential property.		8.40	222
111	Beech	10	4	4	4	4	50e								2	2N	S	C1	>10	Established tree growing in adjoining garden. Appears to be pruned to control its size.		6.00	113
112	Purple plum	6	3	3	3	2							10	6	2	2N	Y	C1	>10	Small tree in adjoining residential garden.	Crown lift to 5m above site side.	2.94	27
113	Holm oak	15	6	7	6	7	55e								3	3W	E	B2	>20	Part of a group of trees on corner of access road. Some decay in lower stem. Lower stem partially smothered in ivy.	Remove.	6.60	137
114	Group of Holm oak	15av	7av				45av								2	2N	E	B2	>20	Group of trees on corner of access track. All stems smothered in ivy.	Remove 4 stems as shown.	5.40	92

Schedule of trees at Durrington Gasworks (Elizabeth Square Phase 2), Martlets Way, Goring-by-Sea, Worthing

Tree No.	Species	Ht (m)	Branch Spread (m)				Stem diameters (cm)								Height of crown clearance (m)	Height of first branch (m) and direction (compass point)	Age class	Category grading	Estimated remaining contribution (yrs)	Condition Physiological / Structural	Tree Works to BS3998	Root protection radius (m)	Root protection area sq.m
							Single Stem	2-5 stems					More than 5 stems										
			N	E	S	W		Stem 1	Stem 2	Stem 3	Stem 4	Stem 5	Mean dia	No. stems									
115	Corkscrew willow	13	2	2	7	5	45e								2	2N	S	C1	>10	Established tree growing in adjoining residential garden.		5.40	92
116	Row of Holm oak	16av	8av				55av								2	2N	E	B2	>20	Established row of trees growing to west of site.		6.60	137
117	Holm oak	6	2	7	3	0	29								0	-	Y	c2	>10	Part of a row of trees but asymmetric crown development due to competition.	Crown lift to 5m above ground level.	3.48	38
118	Holm oak	15	2	6	5	8		29	31	36					2	2E	E	B2	>20	Part of a row of similar trees growing along access track.	Crown lift to 5m above site side.	6.68	140
119	Holm oak	14	3	5	1	1	44								2	2E	S	U	<10	Extensive decay. Mostly dead.	Remove.	5.28	88
120	Holm oak	16	4	4	2	7	59								2	2N	E	B2	>20	Part of a row of similar trees growing along access track.	Crown lift to 5m above site side.	7.08	157
121	Holm oak	16	2	7	4	5	53								2	2E	E	B2	>20	Part of a row of similar trees growing along access track.	Crown lift to 5m above site side.	6.36	127
122	Holm oak	11	1	2	1	0	14								0	-	Y	C2	>10	Diminutive part of row of trees.	Crown lift to 5m above ground level.	1.68	9
123	Holm oak	17	6	6	7	9		43	37	34	44				2	2E	E	B2	>20	Forms part of a line of trees along access road.	Crown lift to 5m above site side.	9.53	285
124	Holm oak	12	2	6	2	1	29								2	2E	E	B2	>20	Forms part of a line of trees along access road.	Crown lift to 5m above ground level.	3.48	38
125	Holm oak	10	1	1	2	7	36								3	3W	E	B2	>20	Forms part of a line of trees along access road.	Crown lift to 5m above site side.	4.32	59
126	Holm oak	17	3	8	8	5		47	51						2	2E	E	B2	>20	Forms part of a line of trees along access road.	Crown lift to 5m above site side.	8.32	218
127	Holm oak	15	2	1	4	8		43	36						2	2W	E	B2	>20	Forms part of a line of trees along access road.	Crown lift to 5m above site side.	6.73	142
128	Holm oak	15	1	1	2	1	38								2	2W	E	B2	>20	Forms part of a line of trees along access road.	Crown lift to 5m above ground level.	4.56	65
129	Holm oak	17	3	1	5	9		67	59						2	2W	E	B2	>20	Forms part of a line of trees along access road.	Crown lift to 5m above site side.	10.71	361
130	Holm oak	13	2	5	2	1	32								3	3E	E	B2	>20	Forms part of a line of trees along access road.	Crown lift to 5m above ground level.	3.84	46
131	Holm oak	12	1	2	2	4		21	24						2	2W	E	B2	>20	Forms part of a line of trees along access road.	Crown lift to 5m above ground level.	3.83	46

Schedule of trees at Durrington Gasworks (Elizabeth Square Phase 2), Martlets Way, Goring-by-Sea, Worthing

Tree No.	Species	Ht (m)	Branch Spread (m)				Stem diameters (cm)								Height of crown clearance (m)	Height of first branch (m) and direction (compass point)	Age class	Category grading	Estimated remaining contribution (yrs)	Condition Physiological / Structural	Tree Works to BS3998	Root protection radius (m)	Root protection area sq.m
							Single Stem	2-5 stems					More than 5 stems										
			N	E	S	W		Stem 1	Stem 2	Stem 3	Stem 4	Stem 5	Mean dia	No. stems									
132	Holm oak	16	5	6	3	6		39	39						2	2S	E	C2	>10	Contributes to row of trees alongside access road. Easterly stem extensively decayed. Pruning could overcome the tendency to fail.	Prune easterly stem reducing in height to circa 7 metres above ground level. Retain adventitious growth around this point.	6.62	138
133	Holm oak	13	2	4	1	2	30e								2	2N	E	B2	>20	Contributes to row of trees alongside access drive. Ivy smothered stem.	Crown lift to 5m above ground level.	3.60	41
134	Holm oak	16	3	2	5	9		45e	35e						3	3W	E	B2	>20	Contributes to row of trees alongside access drive. Ivy smothered stem.	Crown lift to 5m above site side.	6.84	147
135	Holm oak	10	1	2	3	4		35e	35e						3	3W	E	B2	>20	Contributes to row of trees alongside access drive. Ivy smothered stem.	Crown lift to 5m above site side.	5.94	111
136	Holm oak	9	2	3	2	3	30e								0	-	S	C2	>10	Contributes to row of trees alongside access drive. Ivy smothered stem.	Crown lift to 5m above site side.	3.60	41
137	Holm oak	9	5	3	4	1		35e	35e	35e					2	2N	S	C2	>10	Contributes to row of trees along southern boundary. Main stem smothered in ivy.	Crown lift to 5m above site side.	7.27	166
138	Holm oak	17	6	7	6	3	60e								5	5N	E	B2	>20	Contributes to row of trees along southern boundary. Main stem smothered in ivy.		7.20	163
139	Holm oak	4	1	1	2	1	35e								1	1S	S	C2	>10	Contributes to row of trees along southern boundary. Main stem smothered in ivy.	Crown lift to 5m above ground level.	4.20	55
140	Holm oak	15	2	2	4	2	35e								2	2S	S	C2	>10	Contributes to row of trees along southern boundary. Main stem smothered in ivy.	Crown lift to 5m above site side.	4.20	55
141	Holm oak	17	7	6	6	5		35e	30e						2	2N	E	B2	>20	Contributes to row of trees along southern boundary. Main stem smothered in ivy.	Crown lift to 5m above site side.	5.53	96
142	Holm oak	15	2	3	6	3	45e								6	6S	E	B2	>20	Contributes to row of trees along southern boundary. Main stem smothered in ivy.		5.40	92

Schedule of trees at Durrington Gasworks (Elizabeth Square Phase 2), Martlets Way, Goring-by-Sea, Worthing

Tree No.	Species	Ht (m)	Branch Spread (m)				Stem diameters (cm)								Height of crown clearance (m)	Height of first branch (m) and direction (compass point)	Age class	Category grading	Estimated remaining contribution (yrs)	Condition Physiological / Structural	Tree Works to BS3998	Root protection radius (m)	Root protection area sq.m
							Single Stem	2-5 stems					More than 5 stems										
			N	E	S	W		Stem 1	Stem 2	Stem 3	Stem 4	Stem 5	Mean dia	No. stems									
143	Holm oak	17	5	9	6	3		60e	55e						2	2N	E	B2	>20	Contributes to row of trees along southern boundary. Main stem smothered in ivy.	Crown lift to 5m above site side.	9.77	300
144	Holm oak	15	7	8	4	0	45e								3	3N	E	B2	>20	Contributes to row of trees along southern boundary. Main stem smothered in ivy.	Crown lift to 5m above site side.	5.40	92
145	Holm oak	16	1	2	6	2	47								1	1S	E	B2	>20	Contributes to row of trees along southern boundary.	Crown lift to 5m above site side.	5.64	100
146	Holm oak	15	6	2	0	2	31								3	3N	E	U	<10	Ganoderma brackets at base indicating internal decay.	Crown lift to 5m above ground level.	3.72	43
147	Holm oak	15	5	2	3	2	36								2	2N	E	B2	>20	Contributes to row of trees along southern boundary.	Crown lift to 5m above ground level.	4.32	59
148	Holm oak	17	2	4	8	3	65e								2	2S	E	B2	>20	Contributes to row of trees along southern boundary. Ivy smothered stem.	Crown lift to 5m above site side.	7.80	191
149	Holm oak	9	0	1	4	1	25e								5	5S	S	C2	>10	Contributes to row of trees along southern boundary. Ivy smothered stem.		3.00	28
150	Holm oak	17	7	5	7	4	65e								2	2N	S	C2	>10	Contributes to row of trees along southern boundary. Ivy smothered stem.	Crown lift to 5m above site side.	7.80	191
151	Holm oak	16	2	3	6	2	50e								3	3S	S	C2	>10	Contributes to row of trees along southern boundary. Ivy smothered stem.	Crown lift to 5m above site side.	6.00	113
152	Holm oak	17	7	6	8	5		65e	60e						2	2N	E	C2	>10	Contributes to row of trees along southern boundary. Ivy smothered stem.	Crown lift to 5m above site side.	10.62	354
153	Holm oak	17	7	5	7	3		50e	50e	35e					2	2N	E	C2	>10	Contributes to row of trees along southern boundary. Ivy smothered stem.	Crown lift to 5m above site side.	9.47	282
154	Holm oak	16	6	7	2	1	50e								2	2N	E	C2	>10	Contributes to row of trees along southern boundary. Ivy smothered stem.	Crown lift to 5m above ground level.	6.00	113
155	Holm oak	16	7	4	9	3	60e								4	4N	E	B2	>20	Contributes to row of trees along southern boundary. Ivy smothered stem.	Crown lift to 5m above site side.	7.20	163
156	Holm oak	17	4	5	3	3	33								10	10E	E	B2	>20	Contributes to row of trees along southern boundary.		3.96	49
157	Holm oak	17	0	2	7	3	37								9	9S	E	B2	>20	Contributes to row of trees along southern boundary.		4.44	62
158	Holm oak	16	7	3	0	2	37								2	2N	E	B2	>20	Contributes to row of trees along southern boundary.	Crown lift to 5m above ground level.	4.44	62

Schedule of trees at Durrington Gasworks (Elizabeth Square Phase 2), Martlets Way, Goring-by-Sea, Worthing

Tree No.	Species	Ht (m)	Branch Spread (m)				Stem diameters (cm)								Height of crown clearance (m)	Height of first branch (m) and direction (compass point)	Age class	Category grading	Estimated remaining contribution (yrs)	Condition Physiological / Structural	Tree Works to BS3998	Root protection radius (m)	Root protection area sq.m
							Single Stem	2-5 stems					More than 5 stems										
			N	E	S	W		Stem 1	Stem 2	Stem 3	Stem 4	Stem 5	Mean dia	No. stems									
159	Holm oak	17	5	4	8	3	67								9	9N	E	C2	>10	Contributes to row of trees along southern boundary. Decay at past stem loss at circa 1.5 metres above ground level. Brackets of <i>Ganoderma</i> decay at base. Unsited to long-term retention given the crown bias over the adjoining garden.		8.04	203
160	Holm oak	17	4	5	8	5		47	51						5	5N	E	B2	>20	Contributes to row of trees along southern boundary.		8.32	218
161	Holm oak	17	7	6	5	7	67								2	2N	E	B2	>20	Contributes to row of trees along southern boundary.	Crown lift to 5m above site side.	8.04	203
162	Holm oak	16	6	3	7	4	59								3	3N	E	B2	>20	Contributes to row of trees along southern boundary.	Crown lift to 5m above site side.	7.08	157
163	Holm oak	16	5	3	3	2	39								2	2NE	E	B2	>20	Contributes to row of trees along southern boundary.	Crown lift to 5m above ground level.	4.68	69
164	Holm oak	16	0	4	7	2	54								9	9S	E	B2	>20	Contributes to row of trees along southern boundary.		6.48	132
165	Holm oak	17	6	5	7	5	63								2	2N	E	B2	>20	Contributes to row of trees along southern boundary.	Crown lift to 5m above site side.	7.56	180
166	Holm oak	17	5	6	8	4	67								2	2S	E	B2	>20	Contributes to row of trees along southern boundary.	Crown lift to 5m above site side.	8.04	203
167	Holm oak	9	4	1	0	0	21								4	4N	S	U	<10	Extensive decay in lower stem.	Crown lift to 5m above ground level.	2.52	20
168	Holm oak	16	6	3	7	3		47	51						3	3N	U	B2	>20	Contributes to row of trees along southern boundary. Fruiting bodies of <i>Ganoderma</i> species on lower stem. Decay pockets in mid-stem. Crown bias over residential garden.	Crown lift to 5m above site side.	8.32	218
169	Holm oak	16	2	3	7	3		59	23						3	3S	E	B2	>20	Contributes to row of trees along southern boundary.	Crown lift to 5m above site side.	7.60	181
170	Holm oak	10	1	1	6	2	37								2	2S	E	B2	>20	Contributes to row of trees along southern boundary.	Crown lift to 5m above site side.	4.44	62

Schedule of trees at Durrington Gasworks (Elizabeth Square Phase 2), Martlets Way, Goring-by-Sea, Worthing

Tree No.	Species	Ht (m)	Branch Spread (m)				Stem diameters (cm)								Height of crown clearance (m)	Height of first branch (m) and direction (compass point)	Age class	Category grading	Estimated remaining contribution (yrs)	Condition Physiological / Structural	Tree Works to BS3998	Root protection radius (m)	Root protection area sq.m
							Single Stem	2-5 stems					More than 5 stems										
			N	E	S	W		Stem 1	Stem 2	Stem 3	Stem 4	Stem 5	Mean dia	No. stems									
171	Holm oak	17	7	5	6	6	50e								4	4N	E	B2	>20	Contributes to row of trees along southern boundary. Lower stem smothered in ivy. Decay evident within aperture on northern side of lower stem.	Crown lift to 5m above site side.	6.00	113
172	Holm oak																	U	<10	Dead. Leaning in adjoining trees.	Remove.	0.00	0
173	Holm oak	17	6	5	6	3	55e								3	3N	E	B2	>20	Contributes to row of trees along southern boundary. Lower stem smothered in ivy. Decay evident within aperture on northern side of lower stem.	Crown lift to 5m above site side.	6.60	137
174	Holm oak	17	7	5	8	3		66	32						3	3N	E	B2	>20	Contributes to row of trees along southern boundary. Lower stem smothered in ivy. Decay evident within aperture on northern side of lower stem.	Crown lift to 5m above site side.	8.80	243
175	Holm oak	17	7	6	8	3		21	49	53					2	2N	E	B2	>20	Contributes to row of trees along southern boundary. Lower stem smothered in ivy. Decay evident within aperture on northern side of lower stem.	Crown lift to 5m above site side.	9.02	256
176	Holm oak	11	2	2	6	2		41	21						2	2N	E	B2	>20	Contributes to row of trees along southern boundary. Lower stem smothered in ivy. Decay evident within aperture on northern side of lower stem. Dead stem emanating from northern side.	Crown lift to 5m above site side.	5.53	96
177	Holm oak	5	1	0	0	1	27								2	2N	Y	U	<10	Little more than a shell at the base. Dead at the top.		3.24	33
178	Holm oak	17	6	2	4	5	67								3	3N	E	B2	>20	Contributes to row of trees along southern boundary.	Crown lift to 5m above ground level.	8.04	203
179	Holm oak	17	2	3	7	4		69	38						2	2S	E	B2	>20	Contributes to row of trees along southern boundary.	Crown lift to 5m above site side.	9.45	281
180	Holm oak	16	3	2	4	3		27	21						2	2N	S	C2	>10	Contributes to row of trees along southern boundary.	Crown lift to 5m above ground level.	4.10	53
181	Holm oak	17	6	5	7	3		82	41						2	2N	E	B2	>20	Contributes to row of trees along southern boundary.	Crown lift to 5m above site side.	11.00	380
182	Holm oak	17	6	5	7	2		64	29						5	5N	E	C2	>10	Some decay in lower stem but contributes to trees along southern boundary.		8.43	223

Schedule of trees at Durrington Gasworks (Elizabeth Square Phase 2), Martlets Way, Goring-by-Sea, Worthing

Tree No.	Species	Ht (m)	Branch Spread (m)				Stem diameters (cm)								Height of crown clearance (m)	Height of first branch (m) and direction (compass point)	Age class	Category grading	Estimated remaining contribution (yrs)	Condition Physiological / Structural	Tree Works to BS3998	Root protection radius (m)	Root protection area sq.m
							Single Stem	2-5 stems					More than 5 stems										
			N	E	S	W		Stem 1	Stem 2	Stem 3	Stem 4	Stem 5	Mean dia	No. stems									
183	Holm oak	17	7	8	5	4	66								2	2N	E	B2	>20	Contributes to row of trees along southern boundary.	Crown lift to 5m above site side.	7.92	197
184	Holm oak	15	4	2	6	2	53								6	6N	E	B2	>20	Contributes to row of trees along southern boundary.		6.36	127
185	Holm oak	17	8	8	9	4		55e	50e	30e					2	2N	E	B2	>20	Contributes to row of trees along southern boundary. Ivy covered stems.	Crown lift to 5m above site side.	9.62	291
186	Holm oak	13	2	8	7	3		25e	20e						2	2W	S	C2	>10	Contributes to group of trees in south-east corner of site. Ivy covered stems.	Crown lift to 5m above site side.	3.84	46
187	Holm oak	11	2	8	8	3		45e	35e						2	2W	S	C2	>10	Contributes to group of trees in south-east corner of site. Ivy covered stems.	Crown lift to 5m above site side.	6.84	147
188	Holm oak	7	6	5	1	1		30e	20e						2	2E	S	C2	>10	Contributes to group of trees in south-east corner of site. Ivy covered stems.	Crown lift to 5m above site side.	4.33	59
189	Holm oak	16	7	6	7	5		45e	40e						3	3E	S	C2	>10	Contributes to group of trees in south-east corner of site. Ivy covered stems.	Crown lift to 5m above ground level.	7.22	164
190	Holm oak	10	3	1	2	5		25e	25e						2	2W	S	C2	>10	Contributes to group of trees in south-east corner of site. Ivy covered stems.	Crown lift to 5m above ground level.	4.24	57
191	Holm oak	13	4	6	3	5		35e	30e						2	2SE	S	B2	>20	Contributes to group of trees in south-east corner of site. Ivy covered stems.	Crown lift to 5m above ground level.	5.53	96
192	Holm oak	10	2	1	1	5		25e	25e						2	2W	S	B2	>20	Contributes to group of trees in south-east corner of site. Ivy covered stems.	Crown lift to 5m above ground level.	4.24	57
193	Holm oak	13	3	6	4	6	49								0	-	E	B2	>20	Established tree along south-eastern boundary of site.	Crown lift to 5m above ground level.	5.88	109
194	Holm oak	14	2	5	2	6	47								0	-	E	B2	>20	Established tree along south-eastern boundary of site.	Crown lift to 5m above ground level.	5.64	100
195	Holm oak	14	4	5	2	5	48								2	2NE	E	B2	>20	Established tree along south-eastern boundary of site.	Crown lift to 5m above ground level.	5.76	104
196	Holm oak	14	4	5	2	5	44								2	2NW	E	B2	>20	Established tree along south-eastern boundary of site.	Crown lift to 5m above ground level.	5.28	88
197	Holm oak	10	2	4	4	5		37	26						2	2W	S	B2	>20	Contributes to row of trees.	Crown lift to 5m above ground level.	5.43	93
198	Holm oak	15	5	7	7	7		51	69						2	2W	E	B2	>20	Contributes to row of trees. Has been crown reduced in the past. Some decay at past pruning points.	Crown lift to 5m above ground level.	10.30	333

Schedule of trees at Durrington Gasworks (Elizabeth Square Phase 2), Martlets Way, Goring-by-Sea, Worthing

Tree No.	Species	Ht (m)	Branch Spread (m)				Stem diameters (cm)								Height of crown clearance (m)	Height of first branch (m) and direction (compass point)	Age class	Category grading	Estimated remaining contribution (yrs)	Condition Physiological / Structural	Tree Works to BS3998	Root protection radius (m)	Root protection area sq.m
							Single Stem	2-5 stems					More than 5 stems										
			N	E	S	W		Stem 1	Stem 2	Stem 3	Stem 4	Stem 5	Mean dia	No. stems									
199	Holm oak	11	3	4	2	4							12	9	0	-	S	C2	>10	Contributes to row of trees but has failed at the root plate in the past. Appears to have been cut back in the past and subsequently re-shooted.	Crown lift to 5m above ground level.	4.32	59
200	Holm oak	13	2	4	2	7		25	22	7	12				2	2E	S	B2	>20	Contributes to row of trees.	Crown lift to 5m above ground level.	4.33	59
201	Holm oak	15	3	6	2	6		54	13						2	2W	E	B2	>20	Contributes to row of trees.	Crown lift to 5m above ground level.	6.67	140
202	Holm oak	16	3	7	6	7	71								2	2W	E	B2	>20	Contributes to row of trees. Ivy smothered stem.	Crown lift to 5m above ground level.	8.52	228
203	Holm oak	16	3	7	2	7	66								2	2E	E	B2	>20	Contributes to row of trees. Ivy smothered stem.	Crown lift to 5m above ground level.	7.92	197
204	Holm oak	16	1	4	2	5		29	33						2	2E	E	B2	>20	Contributes to row of trees. Ivy smothered stem.	Crown lift to 5m above ground level.	5.27	87

Appendix 4

Tree Preservation Order



WORTHING BOROUGH
COUNCIL

23 DEC 2024



KENT

Worthing Borough Council
Worthing Town Hall
Chapel Road
Worthing
West Sussex, BN11 1HA
www.adur-worthing.gov.uk

Bellway Homes Limited
Woolsington House
Woolsington
Newcastle Upon Tyne
NE13 8BF

Date: 19th December 2024
Service: Legal Services
Tel: 01903 221422

hannah.freeman@adur-worthing.gov.uk

Our Ref: 016460-hf-we/01030755

Dear Directors,

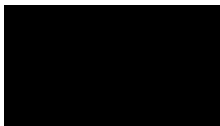
Town and Country Planning Act 1990
Town and Country Planning (Tree Preservation) (England) Regulations 2012
The Borough Council of Worthing Tree Preservation Order Number 1 of 2024

Please find enclosed the following:

- Provisional Tree Preservation Order No.4 of 2024 Land North of Barrington Road
- Regulation 5 Notice
- Regulation 6 of the Town and Country Planning (Tree Preservation) (England) Regulations 2012

Please ensure any objections to the Order are made in accordance with the Regulation 6 of the Town and Country Planning (Tree Preservation) (England) Regulations 2012.

Yours faithfully,



Hannah Freeman
Legal Officer

Tree Preservation Order

Town and Country Planning Act 1990

The TPO No.4 of 2024 Land North of Barrington Road Worthing.

The Borough Council of Worthing in exercise of the powers conferred on them by section 198 of the Town and Country Planning Act 1990 make the following Order—

Citation

1. This Order may be cited as TPO No.4 of 2024 Land North of Barrington Road Worthing.

Interpretation

2. — (1) In this Order “the authority” means the Borough Council of Worthing
(2) In this Order any reference to a numbered section is a reference to the section so numbered in the Town and Country Planning Act 1990 and any reference to a numbered regulation is a reference to the regulation so numbered in the Town and Country Planning (Tree Preservation) (England) Regulations 2012.

Effect

3. — (1) Subject to article 4, this Order takes effect provisionally on the date on which it is made.

(2) Without prejudice to subsection (7) of section 198 (power to make tree preservation orders) or subsection (1) of section 200 (tree preservation orders: Forestry Commissioners) and, subject to the exceptions in regulation 14, no person shall—

(a) cut down, top, lop, uproot, wilfully damage, or wilfully destroy; or

(b) cause or permit the cutting down, topping, lopping, uprooting, wilful damage or wilful destruction of,

any tree specified in the Schedule 1 to this Order except with the written consent of the authority in accordance with regulations 16 and 17, or of the Secretary of State in accordance with regulation 23, and, where such consent is given subject to conditions, in accordance with those conditions.

Application to trees to be planted pursuant to a condition

4. In relation to any tree identified in the first column of the Schedule by the letter “C”, being a tree to be planted pursuant to a condition imposed under paragraph (a) of section 197 (planning permission to include appropriate provision for preservation and planting of trees), this Order takes effect as from the time when the tree is planted.

Dated this 19 day of December 2024

The Common Seal of the Borough Council of Worthing

was affixed to this Order in the presence of—



.....

Signed on behalf of the Borough Council of Worthing

.....

Authorised by the Council to sign in that behalf

CONFIRMATION OF ORDER

This Order was confirmed by the Borough Council of Worthing without modification on the day of

OR

This Order was confirmed by the Borough Council of Worthing, subject to the modifications indicated by Schedule 2 annexed to this Order on the day of

Signed on behalf of the Borough Council of Worthing

.....

Authorised by the Council to sign in that behalf

DECISION NOT TO CONFIRM ORDER

A decision not to confirm this Order was taken by the Borough Council of Worthing on the day of

Signed on behalf of the Borough Council of Worthing

.....

Authorised by the Council to sign in that behalf

VARIATION OF ORDER

This Order was varied by the Borough Council of Worthing on the day of
by a variation order under reference number a copy of which is attached.

Signed on behalf of the Borough Council of Worthing

.....

Authorised by the Council to sign in that behalf

REVOCATION OF ORDER

This Order was revoked by the Borough Council of Worthing on the day of

Signed on behalf of the Borough Council of Worthing

.....

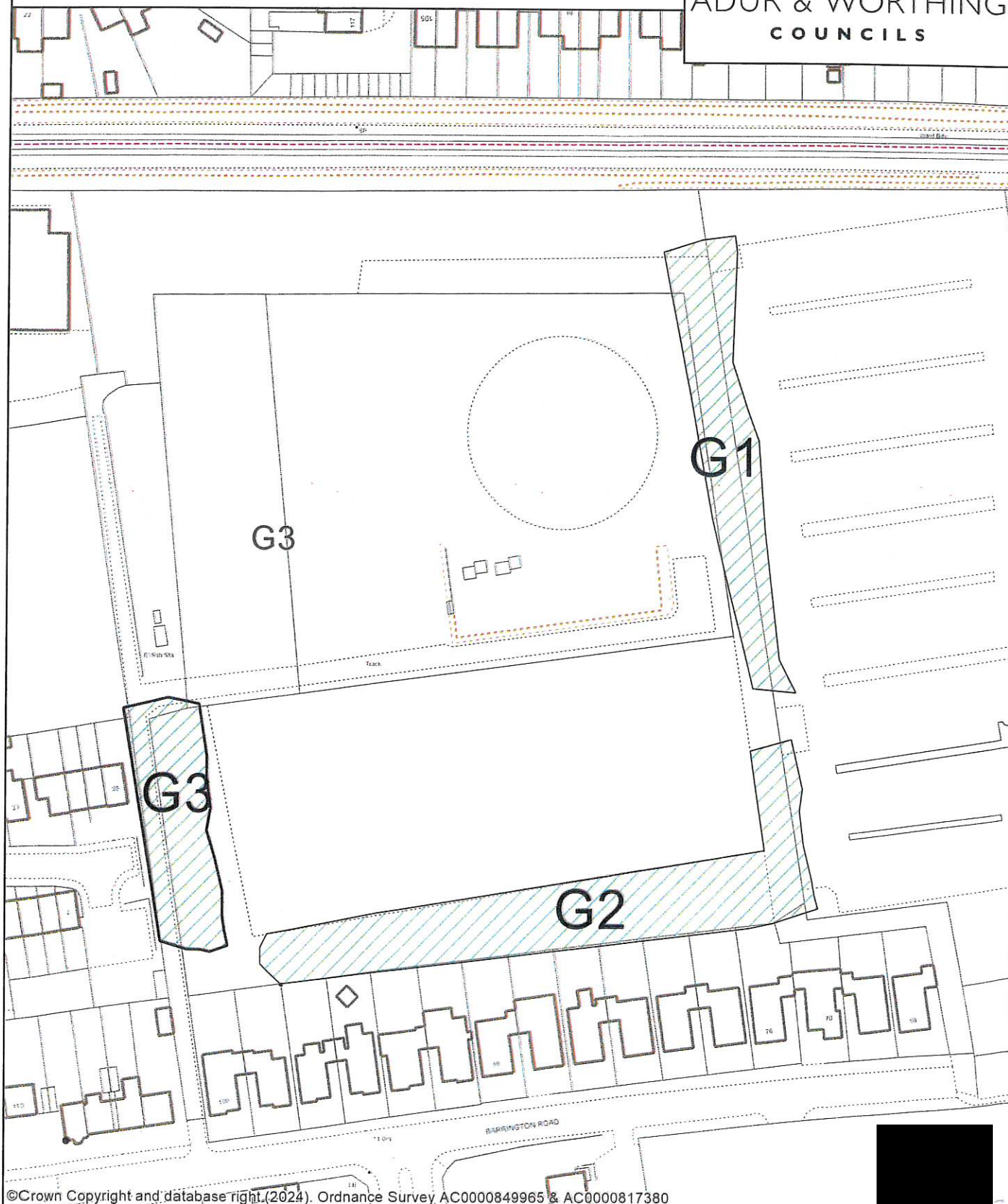
Authorised by the Council to sign in that behalf

Worthing Tree Preservation Order No.4 of 2024 Land North of
Barrington Road Worthing

25 September 2024



ADUR & WORTHING
COUNCILS



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Scale 1:1250

G1 = 44 Holm Oak trees

G2 = 41 Holm Oak trees

G3 = 12 Holm Oak trees

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SCHEDULE 1
Specification of trees

Groups of trees

G1	44 Holm Oak trees	The trees are located along the Eastern boundary of the site, extending from close to the Railway land to the opening into.
G2	41 Holm Oak trees	The trees are located on the South of the opening to the former field section, to North of 66 Barrington Road and continuing to 70 and 76 ending North of 96 Barrington Road
G3	12 Holm Oak trees	The trees are located to the East of parking area adjacent to 1 Juno Close to East of 35 Juno Close

Regulation 5 Notice

IMPORTANT THIS COMMUNICATION MAY AFFECT YOUR PROPERTY

TOWN AND COUNTRY PLANNING ACT 1990
TOWN AND COUNTRY PLANNING (TREE PRESERVATION) (ENGLAND)
REGULATIONS 2012

Tree Preservation Order: The Borough Council of Worthing Tree Preservation Order TPO No.4 of 2024 Land North of Barrington Road Worthing

THIS IS A FORMAL NOTICE to let you know that on 19th December 2024 we made the above Tree Preservation Order.

A copy of the order is enclosed. In simple terms, no one is allowed to cut down, top or lop without our permission any of the trees described in the 1st Schedule of the order and shown on the map.

Please find below a link for online guidance to tree preservation procedures.
<https://www.gov.uk/guidance/tree-preservation-orders-and-trees-in-conservation-areas>

We have made the order because G1, G2 and G3 are established feature of the area and can be seen from many views. It is considered important to the visual amenity and character of the area that the trees are protected and retained.

The order came into force, on a temporary basis, on 19th December 2024 and will remain in force for six months. During this time, we will decide whether the order should be given permanent status.

People affected by the order have a right to object or make comments on any of the trees or woodlands covered before we decide whether the order should be made permanent.

If you would like to make any objections or comments, please make sure we receive them in writing by 24th January 2025. Your comments must be made in accordance with regulation 6 of the Town and Country Planning (Tree Preservation) (England) Regulations 2012 (a copy is attached).

Please send your comments to Jeremy Sergeant, Senior Tree and Landscape Officer, Development Management, Worthing Town Hall, Chapel Road, Worthing, BN11 1HA, 01273263477. We will carefully consider all objections and comments before deciding whether to make the order permanent.

We will write to you again when we have made our decision. In the meantime, if you would like any more information or have any questions about this letter, please contact **Jeremy Sergeant, Senior Tree and Landscape Officer, at The Borough Council of Worthing on 01273263477.**

Dated: 19th December 2024

Signed:



On behalf of the Borough Council of Worthing

Encs: (1) Regulation 6 Town and Country Planning (Tree Preservation)(England)
Regulations 2012

COPY OF REGULATION 6 OF THE TOWN AND COUNTRY PLANNING (TREE PRESERVATION) (ENGLAND) REGULATIONS 2012

Objections and representations

This section has no associated Explanatory Memorandum

6.—(1) Subject to paragraph (2), objections and representations—

(a) shall be made in writing and—

(i) delivered to the authority not later than the date specified by them under regulation 5(2)(c); or

(ii) sent to the authority in a properly addressed and pre-paid letter posted at such time that, in the ordinary course of post, it would be delivered to them not later than that date;

(b) shall specify the particular trees, groups of trees or woodlands (as the case may be) in respect of which such objections and representations are made; and

(c) in the case of an objection, shall state the reasons for the objection.

(2) The authority may treat as duly made objections and representations which do not comply with the requirements of paragraph (1) if, in the particular case, they are satisfied that compliance with those requirements could not reasonably have been expected.