

**ARBORICULTURAL IMPACT ASSESSMENT  
to BS 5837:2012  
at  
Land at Allerthorpe  
Common Lane  
Allerthorpe  
East Riding of Yorkshire  
YO42 4RL**

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## 1. Introduction

### 1.1 Purpose of the Report

- 1.1.1 This Arboricultural Impact Assessment is required in relation to the proposed development at **Land at Common Lane in Allerthorpe**.
- 1.1.2 The purpose of this report is to assess the impact of the proposals on the existing tree stock and outline mitigation actions, where appropriate, to minimise potential damage to retained trees.

### 1.2 Terms of Reference

- 1.2.1 JCA Limited has been instructed by **Arcus Consultancy Services Ltd** to prepare an Arboricultural Impact Assessment, based on our Arboricultural Report dated 6<sup>th</sup> May 2021 (JCA Ref: **16872/EaR**). The arboricultural survey and report conforms to the most recent specifications outlined in BS 5837: 2012 Trees in relation to design, demolition and construction - Recommendations.
- 1.2.2 We have been supplied with **Drawing Ref. SCUKX-SOAY-000-100E (20220615) External Release**, which details the proposed development. The tree data has been overlaid onto the proposed designs to create the Arboricultural Implications Plan, which can be found at **Appendix 7**. This provides the basis for which this Arboricultural Impact Assessment has been prepared.
- 1.2.3 A comparison has been made between this report and **16829a RB - Rev 2 - Arboricultural Impact Assessment**. Any changes have been tracked in **16829c RB Addendum**, dated 7<sup>th</sup> July 2022.

### 1.3 Scope of the Report

- 1.3.1 This report is compiled in accordance with *BS 5837:2012 'Trees in relation to design, demolition and construction – Recommendations'* and is based on an objective assessment of the existing vegetation.
- 1.3.2 The specific design of the proposed development has been considered within the Arboricultural Implication Assessment in **Section 3** and is detailed on the Arboricultural Implications Plan at **Appendix 7**.

### 1.4 Survey Details

- 1.4.1 The original survey took place during the month of February 2021 and was conducted by **Emily Wilde FdSc (Arboriculture)**; and **Ryan Bateman BSc (Hons), FdSc (Arboriculture), TechArborA**.

## 2. Tree Descriptions and Recommendations

- 2.1 The tree information recorded during the original survey is detailed in the tables at **Appendix 1**. A full explanation of the tables can be found at **Appendix 2**. Please refer also to the Tree Constraints Plan at **Appendix 6** for tree locations.
- 2.2 A comparison has been made between this report and **16829a RB - Rev 2 - Arboricultural Impact Assessment**. Any changes have been tracked in **16829c RB Addendum**, dated **7<sup>th</sup> July 2022**.

## 3. Arboricultural Implications Assessment (AIA)

### 3.1 Proposed Development

- 3.1.1 The proposed development will consist of the construction of a Solar Farm, Battery Storage site and the associated access tracks, security fencing and other apparatus.
- 3.1.1 All tree works required to accommodate the proposals are detailed in *italics* in the recommendation columns of the tables at **Appendix 1**. Please note that any required Arboricultural works recommended during the initial survey are also listed in these tables in non-italics.

### 3.2 Tree Removals for Development

- 3.2.1 To accommodate the development some vegetation will require removal, this will either be, individual tree removal, full group/hedge/woodland removal, or part group/hedge/woodland removal, as follows:

#### Full Removal/Monolith:

- 2 individual trees (x1 Retention Category B, x1 Retention Category C);
- 2 full woodlands (x2 Retention Category B);
- 1 full groups (x1 Retention Category C).
  
- Retention B: T13, W228, W238
- Retention C: T46, G48

### Partial Removals:

- 9 hedges (x9 Retention Category B).
- 3 groups (x2 Retention Category B, x1).
- 1 woodlands (x1 Retention Category A).
- Retention A: **W239** (selective removals).
- Retention B: **H65, H93, H94, H103, G159, H178, H217, H226, H227, H240** (remove the sections marked in **red** at **Appendix 7**).  
**G182** (1 specimen).
- Retention C: **G158** (remove the section marked in **red** at **Appendix 7**).

3.2.2 Due to the rural nature of the site and the lower risk factor due to the limited number of people, the trees recommended for a Monolith, required this recommendation only if the land use changed. Therefore, to ensure the safety on contractors on-site, this work is required to be undertaken prior to the development commencing.

3.2.3 Whilst the development will require the removal of some trees within the site, it should be noted that the project is highlighting areas for habitat improvement, including tree planting. This will act to mitigate tree losses, improve the visual benefits of the site and the surrounding area, and will improve the localised tree stock.

### 3.3 Pruning for Development

3.3.1 To accommodate the proposals, it will be necessary to prune some of the retained trees, in order to provide suitable access and working distances for pedestrians and vehicles. Also known as ‘access facilitation pruning’ this is relevant to: **T49, T50, T53, T54, T57, T58, T59, T60, W61, T175, T176, T177, H178, W179, T197, T225, H227, W239**.

3.3.2 Further to this, a number of specimens were recommended work for arboricultural reasons. Due to the rural nature of the site and the lower risk factor due to the limited number of people, this work has been recommended only if the land use changes. Therefore to ensure the safety on contractors on-site, this work is required prior to the development. This is relevant to: **T25, T50, T52, T54, T101, T113, T125, T141, T147, T167, T175, T176, T177, G182, G185, H191, G192, W196, T197, T200, W208, T214, T221, H227** and **T235**.

## 3.4 Temporary Protection Measures

### 3.4.1 The Protective Barrier

3.4.1.1 In order to ensure the effective protection of retained trees during development, a protective barrier will be installed, in accordance with BS5837: 2012 and may comprise of protective fencing and/or ground protection. This will be the first job on site following the tree removal and pruning works. The fencing should ideally be positioned to protect the entire **Root Protection Area (RPA)** of the retained trees, in order to create a **Construction Exclusion Zone (CEZ)**.

3.4.1.2 Routes for pedestrian and site traffic will be located outside, and diverted away from, the RPAs of the retained trees wherever possible. Where this is not practicable, temporary protective surfaces (ground protection) must be laid over the exposed RPAs which will distribute the weight of site vehicles, machinery or pedestrians whilst allowing moisture to reach the tree rooting area beneath. Such surfaces should be constructed in accordance with BS5837: 2012.

## 3.5 Implications for Retained Trees

### 3.5.1 Works within the RPA

3.5.1.1 Where the proposals require work to be undertaken within the RPA of a tree which is to be retained, specialist measures must be adopted during the construction phase to avoid ground compaction and minimise root damage.

3.5.1.2 Such areas are highlighted in **blue** and **pink** on the Arboricultural Implications Plan at **Appendix 7**.

### 3.5.2 Demolition

3.5.2.1 In this case, no significant demolition activities are required adjacent to retained trees and as such, no mitigation measures are considered necessary.

### 3.5.3 Access/Construction of Hard Surfacing

3.5.3.1 The proposed development entails the construction of hard surfacing within the RPA of: **W61, T102, T107, T141, T142, T144, T145, T146, T147, T149, T150, T151, T152, T153** and **T225**. This takes the form of access roads

3.5.3.2 In some cases, the proposed surface is situated within the footprint of existing hard surfacing. Where this is applicable, the existing surface will be retained in situ to prevent damage to tree roots. If required, it may be resurfaced as appropriate, providing that the base is retained and no excavation takes place within the RPA.

- 3.5.3.3 In order to prevent foreseeable damage to tree roots, a 'no-dig' method of construction will be utilised where the proposed hard surfacing enters open ground within the RPA.
- 3.5.3.4 The chosen system must be fit for purpose and of suitable construction to dissipate compaction damage to tree roots, allow gaseous diffusion to/from the soil and the percolation of water to the soil surface. This may require the use of specialist materials and sensitive edging systems to prevent damage to tree roots. It is recommended that this surfacing be constructed as an initial phase of construction, in order to afford the maximum protection throughout development.
- 3.5.3.5 Design principles must be confirmed by an appropriately qualified engineer and should be included in an Arboricultural Method Statement.

#### 3.5.4 **Construction / Foundation Design**

- 3.5.4.1 The footprint of the proposed solar panels incurs the RPA of **T96**. The framework for the solar panels is to be supported by driven poles. As such, they should not require continual trenching, which is a restricted activity within the RPA. Excavations must be kept to a minimum, ideally the poles should be driven in by hand, spaced intermittently, and care must be taken to avoid structural roots. This work will require the supervision of an arboriculturist. Final design details should be confirmed through an Arboricultural Method Statement.
- 3.5.4.2 Advice should always be sought from a suitably qualified Structural Engineer. In some cases, the water demand of trees can be an important consideration when determining the appropriate foundation design. Because of this, water demands for the trees identified on this site are included at **Appendix 1**, in accordance with **NHBC chapter 4.2**, for use by the appointed structural expert.

#### 3.5.5 **Site Compound**

- 3.5.5.1 The site compound, which typically includes the site office, mess facilities, toilets, storage of materials and parking, must be located away from all of the trees and outside their RPAs. Care should also be taken to prevent soil contamination from chemical spillages, including petrol, diesel and oils.

#### 3.5.6 **Tree Shade**

- 3.5.6.1 Due to the location of the trees, and their distance from the proposed solar panels, issues related to shading are considered to be unlikely and do not require mitigation.

### 3.5.7 **Landscaping**

- 3.5.7.1 The proposed boundary fencing will incur the RPA of: **T12, T49, T90, T113, T114, H126, T127, W179, G185, H213, T224, G236.**
- 3.5.7.2 It is advised to adjust the routing of the boundary fence away from the RPA of retained trees wherever possible. However, the installation of fencing within the RPA is acceptable, providing appropriate considerations are taken with regards to the well-being of the effected tree.
- 3.5.7.2.1 As such, no continual trenching is to be undertaken within the RPA (e.g. for small walls onto which panel fencing is installed). Excavations must be kept to a minimum and therefore only fence designs requiring intermittent posts will be acceptable within the RPA.
- 3.5.7.2.2 Fences should also be kept as far away from the main stems of the trees.
- 3.5.7.2.3 If concrete must be used, a liner will need to be inserted into the post-hole to ensure it does not leach into the rooting area.
- 3.5.7.2.4 We are informed that the fence line will be adjusted during the detailed design to allow the trees to be retained. Where this is not undertaken, contractors should look to adjust the fence line as far away from any stems and structural roots to avoid the removal of further specimens.
- 3.5.7.3 Any other hard surfaces within RPAs which may not be shown on the projected layout (**Appendix 7**), and in addition to those mentioned in **Section 3.5.3** (hard surfacing), may be constructed using no-dig techniques, and are implemented in accordance with BS5837: 2012. If there is any concern of damaging retained trees, further advice should be sought from a qualified Arboriculturalist.
- 3.5.7.4 No ground level changes are to be undertaken within the RPAs of retained trees, unless otherwise stated or agreed with the appointed Arboricultural Consultant or the LPA. The requirement to raise/lower ground levels within RPAs must be

## **3.6 Remedial Measures**

- 3.6.1 In order to protect the retained trees during the construction phase, protective fencing needs to be installed. Protective fencing specifications and on-site positioning, along with details of any necessary specialist construction methods should be provided in an Arboricultural Method Statement (AMS).
- 3.6.2 All areas identified for the new planting should also be protected by fencing during the construction phase to prevent the compaction of the soil.



## 4. Conclusions

- 4.1 Some tree works were recommended during the original survey, irrespective of the development proposals. This is to manage potential risks or for general maintenance purposes. These are detailed in **non-italics** in the tables at **Appendix 1**.
- 4.2 It is proposed to construct of a Solar Farm, Battery Storage site and the associated access tracks, security fencing and other apparatus.
- 4.3 The arboricultural implications of the development have been considered and are discussed in **Section 3**.
- 4.4 Several trees require removal or pruning works in order to facilitate the proposed development. Tree works required to accommodate the proposals are detailed in *italics* in the tables at **Appendix 1**. Those trees requiring removal are shown in red on the Arboricultural Implications Plan at **Appendix 7**, where the proposals can also be viewed.
- 4.5 All development work carried out in close proximity to trees should be done so in a manner sympathetic to their needs. Otherwise, the condition of the trees may deteriorate in the months and years following the development, leading to a loss of amenity and potentially hazardous trees.
- 4.6 The protection of retained trees can be achieved by the creation of a Construction Exclusion Zone based on the Root Protection Area of a tree. The Root Protection Area of each tree or group is marked on the Tree Constraints Plan at **Appendix 6**.
- 4.7 The proposed development should be accompanied by an Arboricultural Method Statement (AMS) detailing the specific protection measures necessary for each tree. This should specify the required fencing standard and positions (the creation of the Construction Exclusion Zone), acceptable construction techniques and necessary tree works.
- 4.8 Upon instruction JCA are able to provide a comprehensive Arboricultural Method Statement in order to ensure the continued health of trees throughout the proposed development. We are also able to provide tree planting schemes and organise tree works.
- 4.9 The data gained during the original survey provides an indication of the health of the trees. However, it does not enable a comprehensive assessment of their condition over time. Trees are living organisms which are affected by many factors including weather

# Appendices

Tree Ref.	Age	Height (m)	Crown Height (m)	Height (m) and Direction of the Lowest Branch	Diameter (cm)	Crown Spread		Observations	Recommendations - 16829c - June 2022	Physiological Condition	Structural Condition	Amenity Value	NHBC Water Demand	Life Expectancy (yrs)	Retention Category	
	Common Name					Priority	N		W							E
	Botanical Name						S									
T 1	Over-mature	13	4	2	102	5		Single-stemmed and vertical. Overhanging the dyke. Typical veteran tree.	No action required.	GOOD	GOOD	HIGH	MOD	20+	A 3	
	Horse Chestnut					5	4									
	<i>Aesculus hippocastanum</i>					7										
T 2	Over-mature	13	6	1	91	5		Single-stemmed and vertical. Overhanging the dyke. Evidence of bleeding canker of Horse Chestnut.	No action required.	FAIR	FAIR	HIGH	MOD	20+	B 3	
	Horse Chestnut					6	5									
	<i>Aesculus hippocastanum</i>					4										
T 3	Semi-mature	11	5	1	6 x 20	5.5		Multi-stemmed at ground level with a balanced crown, overhanging the dyke.	No action required.	GOOD	GOOD	MOD	HIGH	40+	B 1	
	English Oak					4.5	4									
	<i>Quercus robur</i>					4										
T 4	Over-mature	14	4	3	95	4.5		Single-stemmed and vertical with a balanced crown, overhanging the dyke. Evidence of bleeding canker of Horse Chestnut.	No action required.	GOOD	GOOD	HIGH	MOD	40+	B 2	
	Horse Chestnut					5	4									
	<i>Aesculus hippocastanum</i>					4										
T 5	Over-mature	15	3	1	103	6		Single-stemmed and vertical with a balanced crown, overhanging the dyke. Evidence of bleeding canker of Horse Chestnut.	No action required.	GOOD	GOOD	HIGH	MOD	20+	A 2	
	Horse Chestnut					5	5									
	<i>Aesculus hippocastanum</i>					5										
T 6	Over-mature	15	4	3	88	5		Single-stemmed and vertical with a balanced crown, overhanging the dyke.	No action required.	GOOD	GOOD	HIGH	MOD	40+	B 1	
	Horse Chestnut					4	5									
	<i>Aesculus hippocastanum</i>					4										
H 7	Young	2.5	0	0	15 avg.	See plan.		Topped at 1.5m, new growth to 2.5m.	No action required.	GOOD	GOOD	MOD	MOD	10+	C 1	
	Common Alder															
	<i>Alnus glutinosa</i>					n/a										
H 8	Semi-mature	2.5	0	0	2 x 10 avg.	See plan.		Maintained boundary hedge.	No action required.	GOOD	GOOD	MOD	HIGH	40+	B 1	
	Common Hawthorn															
	<i>Crataegus monogyna</i>					n/a										
T 9	Early-mature	10	3.5	3	40	4		On north side of dyke, growing from bottom of dyke. Twin-stemmed at ground level with a slight lean to the southeast.	No action required.	GOOD	GOOD	MOD	HIGH	40+	B 1	
	English Oak					4	7									
	<i>Quercus robur</i>					7										
T 10	Early-mature	11	4	2	4 x 35 avg.	5		South side of dyke. Multi-stemmed at ground level with a slightly unbalanced crown.	No action required.	GOOD	GOOD	MOD	MOD	40+	B 1	
	Common Alder					4	4									
	<i>Alnus glutinosa</i>					6										

Tree Ref.	Age		Height (m)	Crown Height (m)	Height (m) and Direction of the Lowest Branch	Diameter (cm)	Crown Spread		Observations	Recommendations - 16829c - June 2022		Physiological Condition	Structural Condition	Amenity Value	NHBC Water Demand	Life Expectancy (yrs)	Retention Category
	Common Name						N			Priority							
	Botanical Name						W	E									
							S										
T 11	Mature		11	3	5	75	6		Single-stemmed. Large cavity at 2m, medium deadwood stub. Previously pruned away from power lines.	No action required.	GOOD	GOOD	HIGH	HIGH	40+	B 2	
	English Oak						1	6									
	<i>Quercus robur</i>						5										
T 12	Mature		16	3.5	4	85	9		Single-stemmed and vertical with a slightly unbalanced crown. Minor deadwood throughout.	No action required. <i>Boundary fencing proposed within the RPA - the fencing can be adjusted to give as much clearance from the stem as possible, to allow for the retention of the tree.</i>	GOOD	GOOD	LOW	HIGH	40+	A 1	
	English Oak						8	7									
	<i>Quercus robur</i>						8										
T 13	Early-mature		13	3	1.5	10 x 25 avg.	4.5		Located at edge of woodland (W61). Multi-stemmed at ground level with a balanced crown. No major visible defects.	No action required. <i>Remove to facilitate the proposals.</i>	GOOD	FAIR	MOD	MOD	20+	B 2	
	Sycamore						5	4									
	<i>Acer pseudoplatanus</i>						4										
T 14	Over-mature		16	5	5	106	8.5		Single-stemmed and vertical with a balanced crown. Large tear wound from snapped out primary limb (southeast) leaving 2m stub. Cavity at 2m and 2.5m with good surrounding wound wood.	No action required.	GOOD	GOOD	HIGH	HIGH	40+	A 2	
	English Oak						9	9									
	<i>Quercus robur</i>						8										
H 15	Early-mature		2.5	0	0	2 x 10 avg.	See plan.		Maintained boundary hedge.	No action required.	GOOD	GOOD	MOD	HIGH	40+	B 1	
	Common Hawthorn																
	<i>Crataegus monogyna</i>						n/a										
T 16	Over-mature		16	5	3	103	5.5		Single-stemmed and vertical with a balanced crown. Occasional deadwood stub noted.	No action required.	GOOD	GOOD	HIGH	HIGH	40+	A 1	
	English Oak						6	6									
	<i>Quercus robur</i>						5										
T 17	Mature		16	5	5	94	7.5		Single-stemmed and vertical with a balanced crown. Occasional medium deadwood.	No action required.	GOOD	GOOD	LOW	HIGH	40+	A 2	
	English Oak						7	7.5									
	<i>Quercus robur</i>						8										

Tree Ref.	Age	Height (m)	Crown Height (m)	Height (m) and Direction of the Lowest Branch	Diameter (cm)	Crown Spread		Observations	Recommendations - 16829c - June 2022	Physiological Condition	Structural Condition	Amenity Value	NHBC Water Demand	Life Expectancy (yrs)	Retention Category
	Common Name					Priority	N								
	Botanical Name						W		E						
							S								
T 18	Mature	15	4	3	83	4		Twin-stemmed at 2m with a fairly sparse crown and deadwood throughout.	No action required.	FAIR	GOOD	MOD	HIGH	20+	B 1
	English Oak					6.5	4.5								
	<i>Quercus robur</i>					5									
T 19	Over-mature	15	5	5	90	7.5		Twin-stemmed at 4m, occasional deadwood throughout.	No action required.	GOOD	GOOD	HIGH	HIGH	40+	A 2
	English Oak					6	7								
	<i>Quercus robur</i>					7									
T 20	Early-mature	15	5	5	45	1		Single-stemmed and vertical. Suppressed crown from adjacent tree. Stubs lower crown.	No action required.	FAIR	FAIR	LOW	MOD	20+	C 2
	Sycamore					3	2.5								
	<i>Acer pseudoplatanus</i>					2.5									
T 21	Early-mature	13	4	4	68	6		Single-stemmed with a slight lean and a reasonably balanced crown. Decay at base. Acceptable condition at present.	No action required.	FAIR	FAIR	MOD	HIGH	10+	C 1
	English Oak					3	7								
	<i>Quercus robur</i>					3									
T 22	Mature	14	4	3	95	3		Twin-stemmed at 2.5m with a slight lean and an offset crown. Minor lower limb damage (southwest).	No action required.	GOOD	GOOD	HIGH	HIGH	40+	A 2
	English Oak					8	6								
	<i>Quercus robur</i>					10.5									
T 23	Early-mature	15	4	3	45	3		Single-stemmed and vertical with an offset crown. Deadwood stubs lower crown.	No action required.	FAIR	GOOD	MOD	MOD	20+	B 2
	Sycamore					2.5	3.5								
	<i>Acer pseudoplatanus</i>					1									
T 24	Mature	13	3	2.5	50	5		Single-stemmed with significant basal cavity. Limited long-term future.	Monolith to 5m.	POOR	POOR	MOD	MOD	<10	U
	Common Beech					4	4.5								
	<i>Fagus sylvatica</i>					4									
T 25	Early-mature	16	1	2	60	4		Single-stemmed and leaning with an offset and sparse crown, overhanging the dyke. Snapped out primary limb (southwest). Acceptable condition at present.	Reduce snapped limb.	FAIR	FAIR	MOD	HIGH	20+	B 2
	English Oak					4	2								
	<i>Quercus robur</i>					5									
T 26	Over-mature	18	1	2	111	10		Single-stemmed with a slight lean and a reasonably balanced crown. Occasional snapped branch and minor cavity.	No action required.	GOOD	GOOD	HIGH	MOD	40+	A 1
	Common Beech					9	8								
	<i>Fagus sylvatica</i>					9									
T 27	Mature	15	4	4	91	6.5		Single-stemmed and vertical with an offset crown. Stub at 2.5m, stem wound 4m and 5m (north). Medium deadwood lower crown.	No action required.	GOOD	GOOD	HIGH	HIGH	40+	A 2
	English Oak					5	6								
	<i>Quercus robur</i>					9									

Tree Ref.	Age		Height (m)	Crown Height (m)	Height (m) and Direction of the Lowest Branch	Diameter (cm)	Crown Spread		Observations	Recommendations - 16829c - June 2022		Physiological Condition	Structural Condition	Amenity Value	NHBC Water Demand	Life Expectancy (yrs)	Retention Category	
	Common Name						N			Priority								
	Botanical Name						W	E										
							S											
H 28	Early-mature		2	0	0	15 avg.	See plan.		Maintained boundary hedge.	No action required.	GOOD	GOOD	MOD	HIGH	40+	B 2		
	Common Hawthorn						n/a	n/a		n/a							n/a	n/a
	<i>Crataegus monogyna</i>																	
T 29	Mature		14	4	4.5	88	6.5		Single-stemmed and vertical with a balanced crown. Stub and minor decay at 2m (north).	No action required.	GOOD	GOOD	HIGH	HIGH	40+	A 1		
	English Oak						7	6		n/a								
	<i>Quercus robur</i>						6											
T 30	Early-mature		9	4	4	55	5		Single-stemmed with a slight lean and a reasonably balanced crown. Flail damage lower crown (south). Stem wound 1m (north). Medium deadwood lower crown.	No action required.	FAIR	GOOD	MOD	HIGH	20+	B 2		
	English Oak						4	4		n/a								
	<i>Quercus robur</i>						3.5											
T 31	Over-mature		15	5	5	132	11		Twin-stemmed at 2.5m. Large torn out primary limb (west), deadwood throughout. Typical of age.	No action required.	GOOD	GOOD	HIGH	HIGH	40+	A 2		
	English Oak						9	8		n/a								
	<i>Quercus robur</i>						11											
T 32	Mature		12	5	5	60	4		Single-stemmed and vertical with an offset crown. Flail damage lower crown, medium deadwood throughout.	No action required.	GOOD	GOOD	MOD	HIGH	40+	B 1		
	English Oak						5	3		n/a								
	<i>Quercus robur</i>						5											
T 33	Mature		11	4	3	55	7		Single-stemmed and vertical with a balanced crown. Large stub at 1.5m.	No action required.	GOOD	GOOD	MOD	HIGH	40+	B 1		
	English Oak						6	6		n/a								
	<i>Quercus robur</i>						4.5											
T 34	Mature		11	5	2	67	5		Single-stemmed and vertical. Stub at 2m, snapped limbs and minor deadwood.	No action required.	GOOD	GOOD	MOD	HIGH	40+	B 1		
	English Oak						4.5	6		n/a								
	<i>Quercus robur</i>						4.5											
T 35	Mature		14	5	3	101	6		Twin-stemmed at 1.5m with a slightly unbalanced crown. Stub at 2m (west). Medium deadwood at 4-5m (south).	No action required.	GOOD	GOOD	MOD	HIGH	40+	B 1		
	English Oak						6	7.5		n/a								
	<i>Quercus robur</i>						5.5											
T 36	Mature		12	5	5	76	6		Multi-stemmed at 1.5m with a slightly unbalanced crown. Minor deadwood throughout.	No action required.	GOOD	GOOD	MOD	HIGH	40+	B 1		
	English Oak						5	5		n/a								
	<i>Quercus robur</i>						6											
T 37	Mature		13	3	3	83	5		Single-stemmed and vertical with a balanced crown. Medium deadwood overhanging south field. Flail damage.	No action required.	GOOD	GOOD	HIGH	HIGH	40+	B 1		
	English Oak						6	6		n/a								
	<i>Quercus robur</i>						6.5											
T 38	Mature		14	3	4	81	5.5		Single-stemmed and vertical with a balanced crown. Flail damage lower limbs.	No action required.	GOOD	GOOD	HIGH	HIGH	40+	B 1		
	English Oak						7	6		n/a								
	<i>Quercus robur</i>						5											

Tree Ref.	Age		Height (m)	Crown Height (m)	Height (m) and Direction of the Lowest Branch	Diameter (cm)	Crown Spread		Observations	Recommendations - 16829c - June 2022		Physiological Condition	Structural Condition	Amenity Value	NHBC Water Demand	Life Expectancy (yrs)	Retention Category
	Common Name						N			Priority							
	Botanical Name						W	E									
							S										
T 39	Mature		9	5	3	95	7		Single-stemmed and vertical with a balanced crown. Compact form, flail damage lower crown.	No action required.		GOOD	GOOD	HIGH	HIGH	40+	B 1
	English Oak						8	4		n/a							
	<i>Quercus robur</i>						5										
T 40	Mature		12	6	5	74	4		Single-stemmed and vertical with an offset crown. Flail damage lower crown.	No action required.		GOOD	GOOD	HIGH	HIGH	40+	B 1
	English Oak						4	3		n/a							
	<i>Quercus robur</i>						5										
T 41	Over-mature		10	6	4	74	2		Single-stemmed and vertical. Deadwood and dieback creating stag-headed appearance (retrenching).	Monolith.		POOR	POOR	MOD	HIGH	<10	C 1
	English Oak						3	4		n/a							
	<i>Quercus robur</i>						4										
T 42	Mature		13	6	4	68	6		Single-stemmed and vertical. Deadwood stub at 3m, medium deadwood lower crown. Flail damage lower crown.	No action required.		GOOD	GOOD	HIGH	HIGH	40+	B 1
	English Oak						6	7.5		n/a							
	<i>Quercus robur</i>						6										
T 43	Mature		10	5	4	86	4.5		Multi-stemmed at 2.5m with a slightly unbalanced crown. Deadwood stubs 2.5m.	No action required.		GOOD	GOOD	HIGH	HIGH	40+	B 1
	English Oak						5	4		n/a							
	<i>Quercus robur</i>						6										
T 44	Early-mature		14	4	4	32 25	4		West of dyke, within row of Alder. Twin-stemmed at ground level with a slightly unbalanced crown.	No action required.		GOOD	GOOD	MOD	MOD	40+	B 1
	Sycamore						5	3		n/a							
	<i>Acer pseudoplatanus</i>						4										
T 45	Early-mature		13	4	3.5	40	5		West of dyke, within row of Alder. Twin-stemmed at ground level with a slightly unbalanced crown.	No action required.		GOOD	GOOD	MOD	MOD	40+	B 1
	Sycamore						5.5	2		n/a							
	<i>Acer pseudoplatanus</i>						5										
T 46	Early-mature		13	9	5	35	2		Located at end of row of Alder. Single-stemmed and vertical with an offset crown. Previously pruned away from power lines.	No action required.		FAIR	GOOD	LOW	MOD	20+	C 2
	Sycamore						2.5	4		<i>Remove to facilitate the proposals.</i>							
	<i>Acer pseudoplatanus</i>						3			n/a							
G 47	Semi-mature		15	4	4	3 x 25 avg.	See plan.		Linear group of Alder along the dyke, predominantly multiple-stemmed. Hawthorn hedge (2m height) in front (west). Dead stems at north end.	No action required.		GOOD	GOOD	MOD	MOD	40+	B 1
	Common Alder						n/a										
	<i>Alnus glutinosa</i>						n/a										

Tree Ref.	Age		Height (m)	Crown Height (m)	Height (m) and Direction of the Lowest Branch	Diameter (cm)	Crown Spread		Observations	Recommendations - 16829c - June 2022		Physiological Condition	Structural Condition	Amenity Value	NHBC Water Demand	Life Expectancy (yrs)	Retention Category
	Common Name						N			Priority							
	Botanical Name						W	E									
							S										
G 48	Early-mature		3	0	0	3 x 15 avg.	See plan.		Topped group of Alder and Hawthorn beneath power lines.	No action required.	FAIR	FAIR	LOW	MOD	10+	C 2	
	Common Alder									<i>Remove to facilitate the proposals.</i>							
	<i>Alnus glutinosa</i>						n/a			n/a							
T 49	Over-mature		16	4	3	110	8		Twin-stemmed at 2m with a balanced crown. Medium deadwood over dyke, minor deadwood throughout. No major visible defects.	No action required.	GOOD	GOOD	HIGH	HIGH	40+	A 1	
	English Oak						7.5	8		<i>Boundary fencing proposed within the RPA - the fencing can be adjusted to allow for the retention of the tree.</i>							
	<i>Quercus robur</i>						N	10		n/a							
T 50	Over-mature		17	8	4	100	6		Leaning over dyke. Large snapped out primary limb 2m (east) - stub remains. High crown.	Crown reduction if land use changes.	FAIR	FAIR	HIGH	HIGH	20+	B 1	
	English Oak						5.5	4									
	<i>Quercus robur</i>						S	7		n/a							
T 51	Mature		9	4	4	70	7		Single-stemmed snapped out leader with decay column below (2m long). Stub at 2m. Decay stubs at base of primary limb at 4m. Occasional snapped branch.	Monolith to 5m.	FAIR	FAIR	MOD	HIGH	10+	C 1	
	English Oak						5.5	8									
	<i>Quercus robur</i>						n/a	2		n/a							
T 52	Semi-mature		8	3	4	28	2		Single-stemmed and vertical with an offset and suppressed crown.	Crown reduction.	FAIR	FAIR	LOW	HIGH	40+	C 1	
	English Oak						4	4									
	<i>Quercus robur</i>						S	7		Low							
T 53	Mature		11	5	2	85	5		Single-stemmed and vertical with an offset crown. Stubs and minor deadwood noted.	No action required.	GOOD	GOOD	HIGH	HIGH	40+	B 1	
	English Oak						7.5	4									
	<i>Quercus robur</i>						S	7		n/a							



Tree Ref.	Age	Height (m)	Crown Height (m)	Height (m) and Direction of the Lowest Branch	Diameter (cm)	Crown Spread		Observations	Recommendations - 16829c - June 2022	Physiological Condition	Structural Condition	Amenity Value	NHBC Water Demand	Life Expectancy (yrs)	Retention Category
	Common Name					Priority									
	Botanical Name						W		E						
	S														
T 54	Mature	12	5	4	85	5		Twin-stemmed at 2m with a slightly unbalanced crown. Cavity at 5m to primary limb (north). Epicormic growth lower stem, minor to medium deadwood throughout.	Reduce northern primary limb if land use changes.	GOOD	FAIR	HIGH	HIGH	20+	B 2
	English Oak			6		4	n/a								
	<i>Quercus robur</i>			8											
H 55	Early-mature	2	0	0	15 avg.	See plan.		Maintained boundary hedge adjacent to dyke.	No action required.	GOOD	GOOD	MOD	HIGH	40+	B 1
	Common Hawthorn			n/a											
	<i>Crataegus monogyna</i>														
T 56	Early-mature	13	5	3.5	55	5		Single-stemmed and vertical with a balanced crown.	No action required.	GOOD	GOOD	HIGH	HIGH	40+	B 1
	English Oak			4.5		5.5									
	<i>Quercus robur</i>			6											
T 57	Mature	10	6	2.5	75	4		Single-stemmed. Stub at 2.5m, epicormic growth lower stem, minor deadwood.	No action required.	GOOD	GOOD	HIGH	HIGH	40+	B 1
	English Oak			5.5		6									
	<i>Quercus robur</i>			6											
T 58	Mature	12	3	4	90	7		Twin-stemmed at 2m. Decay stub at 2.5m and 3m, medium deadwood, epicormic growth lower stem.	No action required.	GOOD	FAIR	HIGH	HIGH	20+	B 2
	English Oak			6		7	<i>Hard surfacing required within the RPA; Access facilitation pruning required. to facilitate the proposals.</i>								
	<i>Quercus robur</i>			6											
T 59	Early-mature	10	5	3	65	4.5		Twin-stemmed at 2m with a slightly unbalanced crown. Minor deadwood throughout.	No action required.	GOOD	GOOD	HIGH	HIGH	40+	B 1
	English Oak			6		6									
	<i>Quercus robur</i>			8											
T 60	Early-mature	12	6	3	60	6		Twin-stemmed at 2.5m. Medium deadwood throughout.	No action required.	GOOD	GOOD	HIGH	HIGH	40+	B 1
	English Oak			4.5		5									
	<i>Quercus robur</i>			5											

Tree Ref.	Age	Height (m)	Crown Height (m)	Height (m) and Direction of the Lowest Branch	Diameter (cm)	Crown Spread		Observations	Recommendations - 16829c - June 2022	Physiological Condition	Structural Condition	Amenity Value	NHBC Water Demand	Life Expectancy (yrs)	Retention Category
	Common Name					Priority									
	Botanical Name						W		E						
							S								
W 61	Semi-mature	16	0	0	40 avg.	See plan.		Mixed group of semi-mature to early-mature Sycamore and Oak	No action required. <i>Access facilitation pruning required; Hard surfacing required within the RPA; to facilitate the proposals.</i>	GOOD	GOOD	HIGH	HIGH to MOD	40+	A 1
	Group			n/a											
	<i>Details in observations</i>														
T 62	Mature	12	4.5	2	29 36 35	5		Multi-stemmed at 1m with a slightly unbalanced crown. Cavities to stems (northwest). Stem topped at 4m with new growth present.	No action required.	GOOD	FAIR	MOD	MOD	20+	B 2
	Common Alder			4		6									
	<i>Alnus glutinosa</i>			N 4											
T 63	Mature	15	4	3	55 55	5		Twin-stemmed at ground level with a slightly unbalanced crown. Flail damage lower crown, epicormic growth lower stem.	No action required.	GOOD	GOOD	HIGH	HIGH	40+	B 1
	English Oak			5		3									
	<i>Quercus robur</i>			S 5											
W 64	Early-mature	14	2	0	60 avg.	See plan.		Mixed broadleaf woodland bordering the site. Oak, Ash, Sycamore, Elder, Hawthorn, Birch and Beech. Pine becoming dominant further to the western end.	No action required.	GOOD	GOOD	HIGH	HIGH to MOD	40+	A 2
	Group			n/a											
	<i>Details in observations</i>														
H 65	Early-mature	2.5	0	0	15 avg.	See plan.		Maintained boundary hedge, some gaps north side of tree.	No action required. <i>Part-removal to facilitate the proposals.</i>	GOOD	GOOD	MOD	HIGH	40+	B 2
	Common Hawthorn			n/a											
	<i>Crataegus monogyna</i>														
T 66	Mature	15	4.5	2.5	70	5		Single-stemmed and vertical with a balanced crown. Wound to the co-dominant stem at 5m (northeast).	No action required.	GOOD	GOOD	HIGH	HIGH	40+	A 2
	English Oak			5		5.5									
	<i>Quercus robur</i>			S 5											

Tree Ref.	Age		Height (m)	Crown Height (m)	Height (m) and Direction of the Lowest Branch	Diameter (cm)	Crown Spread		Observations	Recommendations - 16829c - June 2022		Physiological Condition	Structural Condition	Amenity Value	NHBC Water Demand	Life Expectancy (yrs)	Retention Category
	Common Name						N			Priority							
	<i>Botanical Name</i>						W	E									
							S										
G 67	Early-mature		13	4	4	10 x 20 avg.	See plan.		Two trees and a single tree, multi-stemmed at ground level with balanced crowns. Some bark damage.	No action required.		FAIR	FAIR	LOW	MOD	10+	C 2
	Sycamore									n/a							
	<i>Acer pseudoplatanus</i>																
H 68	Semi-mature		2.5	0	0	10 avg.	See plan.		Short, maintained hedge.	No action required.		GOOD	GOOD	LOW	HIGH	40+	C 2
	Common Hawthorn									n/a							
	<i>Crataegus monogyna</i>																
T 69	Mature		12	3	4	58	4		Single-stemmed and vertical with a balanced crown. Flail damage lower crown. Occasional minor deadwood.	No action required.		GOOD	GOOD	HIGH	HIGH	40+	B 1
	English Oak						5	5									
	<i>Quercus robur</i>						5										
T 70	Mature		14	4	4	3 x 40	5.5		Multi-stemmed at ground level with a balanced crown. Occasional cavity noted.	No action required.		GOOD	GOOD	HIGH	MOD	20+	B 2
	Common Alder						4	6									
	<i>Alnus glutinosa</i>						5										
T 71	Mature		13	6	4	55	4		Single-stemmed and vertical with a balanced crown. Mature epicormic growth at the base.	No action required.		GOOD	GOOD	HIGH	MOD	20+	B 2
	Sycamore						3	4.5									
	<i>Acer pseudoplatanus</i>						4.5										
T 72	Mature		14	7	3	45	4		Single-stemmed and vertical with a balanced crown.	No action required.		GOOD	GOOD	MOD	MOD	20+	B 1
	Sycamore						4	3									
	<i>Acer pseudoplatanus</i>						3										
G 73	Semi-mature		11	4	4	20 avg.	See plan.		Linear group of Birch, Sycamore and Oak.	No action required.		FAIR	FAIR	LOW	HIGH to LOW	40+	C 2
	Group									n/a							
	<i>Details in observations</i>																
G 74	Early-mature		14	2	2	75 avg.	See plan.		Group of Oak, Birch, Sycamore. Oak with occasional snapped branches.	No action required.		GOOD	GOOD	HIGH	HIGH to LOW	40+	B 1
	Group									n/a							
	<i>Details in observations</i>																
T 75	Mature		9	0	2	66 35 35	6		Multi-stemmed at ground level with a slightly unbalanced crown. No major visible defects.	No action required.		GOOD	GOOD	HIGH	HIGH	40+	B 1
	English Oak						4	5.5									
	<i>Quercus robur</i>						7										
T 76	Semi-mature		3	0	0	15	2		Single-stemmed and vertical with a balanced crown. No major visible defects.	No action required.		GOOD	GOOD	LOW	HIGH	40+	C 1
	Common Hawthorn						2	2									
	<i>Crataegus monogyna</i>						2										

Tree Ref.	Age		Height (m)	Crown Height (m)	Height (m) and Direction of the Lowest Branch	Diameter (cm)	Crown Spread		Observations	Recommendations - 16829c - June 2022		Physiological Condition	Structural Condition	Amenity Value	NHBC Water Demand	Life Expectancy (yrs)	Retention Category
	Common Name						N			Priority							
	Botanical Name						W	E									
							S										
T 77	Mature		6	0	0	6 x 35 avg.	See plan.		Multi-stemmed at ground level with a balanced crown. Snapped out limbs, stems growing horizontal along ground. Occasional cavities	No action required.	FAIR	FAIR	MOD	HIGH	10+	C 1	
	Goat Willow									n/a							
	<i>Salix caprea</i>																
T 78	Young		5	0	0	20	3		Single-stemmed and vertical with an offset crown.	No action required.	GOOD	GOOD	LOW	HIGH	40+	B 1	
	English Oak						4	2									
	<i>Quercus robur</i>						4										
T 79	Mature		7	0	0	50 46 42 20	2		Multi-stemmed at ground level with a balanced crown. One stem horizontal along ground, one stem snapping out with cavity at union. Acceptable condition at present.	No action required.	GOOD	FAIR	MOD	HIGH	20+	B 2	
	Goat Willow						7	7									
	<i>Salix caprea</i>						7										
T 80	Semi-mature		13	2	2	20	3		Single-stemmed with a lean and offset crown. Phototropic growth away from adjacent tree.	No action required.	FAIR	FAIR	LOW	LOW	20+	C 2	
	Silver Birch						2	2									
	<i>Betula pendula</i>						2										
T 81	Mature		6	1.5	2.5	41	2.5		Multi-stemmed at 1.5m with a balanced crown. No major visible defects.	No action required.	GOOD	GOOD	MOD	HIGH	20+	B 2	
	Common Hawthorn						3	3.5									
	<i>Crataegus monogyna</i>						3										
T 82	Early-mature		11	1	2	50	3.5		Single-stemmed and vertical with a balanced crown. No major visible defects.	No action required.	GOOD	GOOD	MOD	HIGH	40+	B 1	
	English Oak						3.5	4									
	<i>Quercus robur</i>						4										
G 83	Semi-mature		15	0	0	20 avg.	See plan.		Linear group of Birch approx. 24 trees. Single and multiple-stemmed, occasional leaning stem.	No action required.	GOOD	FAIR	LOW	LOW	40+	C 1	
	Silver Birch									n/a							
	<i>Betula pendula</i>																
G 84	Mature		15	1.5	2	62 avg.	See plan.		Single-stemmed Birch and Oak at corner of the field.	No action required.	GOOD	GOOD	HIGH	HIGH & LOW	40+	B 1	
	Group									n/a							
	<i>Details in observations</i>																
G 85	Early-mature		8	3	3	7 x 23 avg.	See plan.		Two trees, multiple-stemmed with occasional snapped branches.	No action required.	FAIR	GOOD	LOW	HIGH	20+	C 2	
	Goat Willow									n/a							
	<i>Salix caprea</i>																
H 86	Early-mature		3	0	0	3 x 10 avg.	See plan.		Maintained boundary hedge with small section of Willow.	No action required.	GOOD	GOOD	MOD	HIGH	40+	B 2	
	Common Hawthorn									n/a							
	<i>Crataegus monogyna</i>																
G 87	Early-mature		12	4	4	45 avg.	See plan.		Two single-stemmed trees growing out side of bank - homogenous crown.	No action required.	GOOD	GOOD	HIGH	HIGH	40+	B 1	
	English Oak									n/a							
	<i>Quercus robur</i>																

Tree Ref.	Age	Height (m)	Crown Height (m)	Height (m) and Direction of the Lowest Branch	Diameter (cm)	Crown Spread		Observations	Recommendations - 16829c - June 2022	Physiological Condition	Structural Condition	Amenity Value	NHBC Water Demand	Life Expectancy (yrs)	Retention Category
	Common Name					Priority									
	Botanical Name						N		E						
							W		S						
T 88	Mature	15	6	4	31 34	0		Twin-stemmed at ground level, one dead stem and one in decline with significant dieback and deadwood.	Remove.	POOR	POOR	LOW	LOW	<10	U
	Silver Birch					0	6								
	<i>Betula pendula</i>					1									
G 89	Early-mature	15	5	2	55 avg.	See plan.		Two single-stemmed trees, occasional dead stub, minor deadwood and flail damage lower crown.	No action required.	GOOD	GOOD	HIGH	HIGH	40+	B 1
	English Oak					n/a									
	<i>Quercus robur</i>					n/a									
T 90	Mature	13	6	4	80	8		Single-stemmed and vertical with a balanced crown. Minor deadwood throughout. Wooden perches across limbs.	No action required.  <i>Boundary fencing proposed within the RPA - the fencing can be adjusted to give as much clearance from the stem as possible, to allow for the retention of the tree.</i>	GOOD	GOOD	HIGH	HIGH	40+	A 1
	English Oak					8.5	8								
	<i>Quercus robur</i>					6									
T 91	Early-mature	14	5	4	35 30 20	7.5		Multi-stemmed at ground level with a slightly unbalanced crown, some dieback noted, likely Ash dieback ( <i>Hymenoscyphus fraxineus</i> ). Snapped-out branches and epicormic growth up stems.	No action required.	FAIR	FAIR	LOW	MOD	10+	C 2
	Common Ash					7	5.5								
	<i>Fraxinus excelsior</i>					5									
G 92	Semi-mature	7	3	0	18 avg.	See plan.		Two small insignificant trees within the hedgerow.	No action required.	GOOD	FAIR	LOW	MOD	40+	C 2
	Common Ash					n/a									
	<i>Fraxinus excelsior</i>					n/a									
H 93	Early-mature	2	0	0	15 avg.	See plan.		Maintained boundary hedge.	No action required.  <i>Part-removal to facilitate the proposals.</i>	GOOD	GOOD	MOD	HIGH	40+	B 2
	Common Hawthorn					n/a									
	<i>Crataegus monogyna</i>					n/a									

Tree Ref.	Age		Height (m)	Crown Height (m)	Height (m) and Direction of the Lowest Branch	Diameter (cm)	Crown Spread		Observations	Recommendations - 16829c - June 2022		Physiological Condition	Structural Condition	Amenity Value	NHBC Water Demand	Life Expectancy (yrs)	Retention Category
	Common Name						N			Priority							
	Botanical Name						W	E									
							S										
H 94	Early-mature		2	0	0	15 avg.	See plan.		Maintained boundary hedge.	No action required.	GOOD	GOOD	MOD	HIGH	40+	B 2	
	Common Hawthorn				n/a					<i>Part-removal to facilitate the proposals.</i>							
	<i>Crataegus monogyna</i>						n/a										
T 95	Mature		15	6	4	85	7.5		Multi-stemmed at 3m with a balanced crown. No major visible defects.	No action required.	GOOD	GOOD	HIGH	HIGH	40+	A 1	
	English Oak				7		6	n/a									
	<i>Quercus robur</i>				7												
T 96	Over-mature		15	5	5	145	11		Twin-stemmed at 2m with a slightly unbalanced crown. Medium deadwood throughout, exceptional condition for age.	No action required.	GOOD	GOOD	HIGH	HIGH	40+	A 1	
	English Oak				8		9	n/a									
	<i>Quercus robur</i>				8												
T 97	Early-mature		9	6	4	46	2.5		Single-stemmed - kinks at 3m. Offset crown. Cavity at 2.5m (northwest).	No action required.	GOOD	FAIR	MOD	HIGH	40+	B 2	
	English Oak				4		4	n/a									
	<i>Quercus robur</i>				3												
T 98	Mature		13	5	5	68	5		Single-stemmed and vertical with a balanced crown. Deadwood stub at 4m.	No action required.	GOOD	GOOD	LOW	HIGH	40+	B 1	
	English Oak				4		5	n/a									
	<i>Quercus robur</i>				4												
T 99	Over-mature		15	4	4	95	6.5		Single-stemmed and vertical with a balanced crown. Medium deadwood mid-crown.	No action required.	GOOD	GOOD	HIGH	HIGH	40+	A 1	
	English Oak				5		6	n/a									
	<i>Quercus robur</i>				6.5												
T 100	Mature		13	5	4	69 48	6		Twin-stemmed at 1m with a slightly unbalanced crown. Medium deadwood throughout.	No action required.	GOOD	GOOD	HIGH	HIGH	40+	B 1	
	English Oak				6		6	n/a									
	<i>Quercus robur</i>				6.5												
T 101	Mature		15	5	4	106	9		Single-stemmed and vertical with a balanced crown. Snapped branch 4m (east) leaving large deadwood stub. Cavity at base of large extending limb 4m (southwest). Occasional stubs and deadwood throughout.	Reduce large limb with cavity.	GOOD	GOOD	HIGH	HIGH	40+	B 2	
	English Oak				6		7	n/a									
	<i>Quercus robur</i>				9												

Tree Ref.	Age	Height (m)	Crown Height (m)	Height (m) and Direction of the Lowest Branch	Diameter (cm)	Crown Spread		Observations	Recommendations - 16829c - June 2022	Physiological Condition	Structural Condition	Amenity Value	NHBC Water Demand	Life Expectancy (yrs)	Retention Category
	Common Name					Priority									
	Botanical Name						N		E						
							W		S						
T 102	Mature	10	4	4	55	3		Single-stemmed with cavities to the main stem. Deadwood and dieback throughout.	Monolith to 5m. <i>Hard surfacing required within the RPA to facilitate the proposals.</i>	FAIR	FAIR	MOD	HIGH	10+	C 1
	English Oak					3	5								
	<i>Quercus robur</i>					2			n/a						
H 103	Early-mature	2	0	0	15 avg.	See plan.		Maintained boundary hedge.	No action required. <i>Part-removal to facilitate the proposals.</i>	GOOD	GOOD	MOD	HIGH	40+	B 1
	Common Hawthorn														
	<i>Crataegus monogyna</i>								n/a						
T 104	Mature	15	6	5	80	5		Single-stemmed and vertical with a balanced crown. Occasional medium deadwood throughout. Large basal wound with the onset of decay.	No action required.	GOOD	GOOD	HIGH	HIGH	40+	B 2
	English Oak					5	5								
	<i>Quercus robur</i>					6			n/a						
T 105	Mature	11	4	4	60	4		Single-stemmed and vertical with a balanced crown. Stub at 3m, cavity at 4m and wound to the lower stem. Large deadwood lower stem and medium deadwood throughout.	No action required.	FAIR	FAIR	MOD	HIGH	20+	B 2
	English Oak					4	4								
	<i>Quercus robur</i>					6.5			n/a						
H 106	Early-mature	2	0	0	3 x 10 avg.	See plan.		Maintained boundary hedge.	No action required.	GOOD	GOOD	MOD	HIGH	40+	B 2
	Common Hawthorn														
	<i>Crataegus monogyna</i>								n/a						
T 107	Mature	13	5	4.5	85	5		Single-stemmed and vertical with a balanced crown. Flail damaged lower crown. Medium deadwood and stubs noted.	No action required. <i>Hard surfacing required within the RPA to facilitate the proposals.</i>	GOOD	GOOD	HIGH	HIGH	40+	B 1
	English Oak					5	6								
	<i>Quercus robur</i>					6			n/a						

Tree Ref.	Age		Height (m)	Crown Height (m)	Height (m) and Direction of the Lowest Branch	Diameter (cm)	Crown Spread		Observations	Recommendations - 16829c - June 2022		Physiological Condition	Structural Condition	Amenity Value	NHBC Water Demand	Life Expectancy (yrs)	Retention Category
	Common Name						N			Priority							
	Botanical Name						W	E									
							S										
T 108	Mature		15	4	4	85	4.5		Single-stemmed and vertical with a balanced crown. Medium deadwood noted.	No action required.	GOOD	GOOD	HIGH	HIGH	40+	B 1	
	English Oak						6	5									
	<i>Quercus robur</i>						5.5										
T 109	Early-mature		9	5	3	46	3.5		Single-stemmed and vertical. Deadwood stubs and epicormic growth lower stem.	No action required.	FAIR	GOOD	MOD	HIGH	40+	B 1	
	English Oak						5	4									
	<i>Quercus robur</i>						3										
T 110	Over-mature		14	8	4	86	2		Single-stemmed and vertical. Retrenching crown.	Monolith if land use changes.	FAIR	FAIR	MOD	HIGH	10+	C 1	
	English Oak						3	2									
	<i>Quercus robur</i>						4										
T 111	Mature		13	4	4	92	5		Single-stemmed and vertical with a balanced crown. Epicormic growth lower stem. Occasional medium deadwood noted.	No action required.	GOOD	GOOD	HIGH	HIGH	40+	B 1	
	English Oak						5	7									
	<i>Quercus robur</i>						6										
T 112	Mature		11	5	4	62	4		Kinked stem with cavity at base (southwest). Decay wound at base (northeast). Sparse crown, deadwood stub 3m, snapped out primary stem. Deadwood throughout providing good wildlife habitat.	Monolith.	FAIR	POOR	MOD	HIGH	20+	C 1	
	English Oak						3	5									
	<i>Quercus robur</i>						3										
T 113	Mature		16	8	6	73	5		Single-stemmed and vertical. Medium deadwood throughout. Dieback west crown, likely compaction from adjacent track.	Remove deadwood and reduce crown. <i>Boundary fencing proposed within the RPA - the fencing can be adjusted to allow for the retention of the tree.</i>	FAIR	FAIR	MOD	HIGH	20+	B 2	
	English Oak						2	7									
	<i>Quercus robur</i>						5										
T 114	Mature		16	5	6	89	6		Single-stemmed and vertical with an offset crown. Cavity at base of branch 3m. Stub on main stem at 3.5m. Decay wound main stem at 1m with good surrounding wound wood. Medium deadwood lower crown.	No action required. <i>Boundary fencing proposed within the RPA - the fencing can be adjusted to allow for the retention of the tree.</i>	GOOD	GOOD	HIGH	HIGH	40+	B 1	
	English Oak						6	8									
	<i>Quercus robur</i>						9										
T 115	Mature		5	0	0	60	0		Standing deadwood stem hollowing at base and leaning south.	Monolith.	DEAD	DEAD	LOW	HIGH	Dead	U	
	English Oak						0	0									
	<i>Quercus robur</i>						5										



Tree Ref.	Age		Height (m)	Crown Height (m)	Height (m) and Direction of the Lowest Branch	Diameter (cm)	Crown Spread		Observations	Recommendations - 16829c - June 2022		Physiological Condition	Structural Condition	Amenity Value	NHBC Water Demand	Life Expectancy (yrs)	Retention Category
	Common Name						N			Priority							
	<i>Botanical Name</i>						W	E									
							S										
T 116	Mature	English Oak <i>Quercus robur</i>	14	5	5	94	7		Single-stemmed and vertical with a balanced crown. Medium deadwood lower crown.	No action required. n/a	GOOD	GOOD	HIGH	HIGH	40+	A 2	
	English Oak						5.5	8.5									
	<i>Quercus robur</i>						9										
T 117	Early-mature	English Oak <i>Quercus robur</i>	8	3	4	40	3		Single-stemmed and vertical with a balanced crown. Epicormic growth lower stem. Stub on main stem.	No action required. n/a	FAIR	GOOD	MOD	HIGH	40+	B 2	
	English Oak						3.5	4									
	<i>Quercus robur</i>						3.5										
T 118	Mature	English Oak <i>Quercus robur</i>	15	5	4	76	7		Single-stemmed and vertical with a balanced crown. Medium deadwood lower crown.	No action required. n/a	GOOD	GOOD	HIGH	HIGH	40+	A 2	
	English Oak						5	7									
	<i>Quercus robur</i>						8										
T 119	Mature	English Oak <i>Quercus robur</i>	12	4	5	75	5		Twin-stemmed at 2m with a balanced crown. Large decay cavity at base of one co-dominant stem - good surrounding wound wood. Acceptable condition at present.	No action required. n/a	GOOD	GOOD	HIGH	HIGH	40+	B 2	
	English Oak						6	6									
	<i>Quercus robur</i>						7										
T 120	Mature	English Oak <i>Quercus robur</i>	9	4	4	69	3.5		Twin-stemmed at 2m large pruning wound at 1.5m (east). Compact form.	No action required. n/a	GOOD	GOOD	MOD	HIGH	40+	B 1	
	English Oak						5	5									
	<i>Quercus robur</i>						5										
H 121	Early-mature	Common Hawthorn <i>Crataegus monogyna</i>	2.5	0	0	15 avg.	See plan.		Maintained boundary hedge.	No action required. n/a	GOOD	GOOD	MOD	HIGH	40+	B 1	
	Common Hawthorn																
	<i>Crataegus monogyna</i>						n/a										
T 122	Early-mature	English Oak <i>Quercus robur</i>	8	4	3	40	4		Single-stemmed and vertical with a balanced crown. Occasional decay stub.	No action required. n/a	GOOD	GOOD	MOD	HIGH	40+	B 1	
	English Oak						4	4									
	<i>Quercus robur</i>						4										
T 123	Early-mature	English Oak <i>Quercus robur</i>	8	2.5	2	45	4		Twin-stemmed at 2.5m with a balanced crown. Occasional stub noted.	No action required. n/a	GOOD	GOOD	MOD	HIGH	40+	B 1	
	English Oak						4	4									
	<i>Quercus robur</i>						4.5										
T 124	Early-mature	English Oak <i>Quercus robur</i>	9	2.5	1	53	3		Single, kinked stem with a slight lean and a reasonably balanced crown. Occasional deadwood stub, one large decay stub at 2m (northeast). Flail damage lower crown.	No action required. n/a	GOOD	FAIR	MOD	HIGH	40+	B 2	
	English Oak						3.5	3									
	<i>Quercus robur</i>						4										

Tree Ref.	Age	Common Name	Height (m)	Crown Height (m)	Height (m) and Direction of the Lowest Branch	Diameter (cm)	Crown Spread			Observations	Recommendations - 16829c - June 2022	Physiological Condition	Structural Condition	Amenity Value	NHBC Water Demand	Life Expectancy (yrs)	Retention Category
							N	W	E		Priority						
							S										
T 125	Mature	English Oak	12	4.5	3	75	4.5			Single-stemmed with large tear wound to the main stem at 3.5m (northwest). Cavities to base and lower stem. Vertical cavity topside of primary limb south.	Crown reduction if land use changes.	FAIR	FAIR	MOD	HIGH	20+	C 1
	n/a				8			n/a									
	<i>Quercus robur</i>																
H 126	Semi-mature	Common Hawthorn	1.5	0	0	10 avg.	See plan.			An incomplete boundary hedge with new planting in the gaps.	No action required.  <i>Boundary fence proposed within RPA. Fence line should be adjusted by the contractors on-site - if the fence line can be moved to the north-west, outside the RPA and canopy of this hedge and T127, then full retention of both items is possible.</i>	FAIR	FAIR	LOW	HIGH	20+	C 2
	n/a							n/a									
	<i>Crataegus monogyna</i>																

Tree Ref.	Age	Height (m)	Crown Height (m)	Height (m) and Direction of the Lowest Branch	Diameter (cm)	Crown Spread		Observations	Recommendations - 16829c - June 2022	Physiological Condition	Structural Condition	Amenity Value	NHBC Water Demand	Life Expectancy (yrs)	Retention Category
	Common Name					Priority									
	Botanical Name						W		E						
	S														
T 127	Early-mature	10	4	3	50 25	5		Twin-stemmed at ground level with a slightly unbalanced crown. Minor deadwood lower crown. Epicormic growth lower stem.	No action required.  <i>Boundary fence proposed within RPA. Fence line should be adjusted by the contractors on-site - if the fence line can be moved to the north-west, outside the RPA and canopy of this tree and H126, then full retention of both items is possible.</i>	GOOD	GOOD	MOD	HIGH	40+	B 1
	English Oak					4	6								
	<i>Quercus robur</i>			5											
G 128	Semi-mature	9	4	3	2 x 25 avg.	See plan.		Linear boundary group of Oak within the hedgerow. Flail damage lower stems and crowns.	No action required.	FAIR	FAIR	MOD	HIGH	40+	B 2
	English Oak			n/a											
	<i>Quercus robur</i>														
G 129	Semi-mature	5	2	1	20 avg.	See plan.		Growing down the side of dyke, yet to make an impact. Linear group of smaller Oak with significant flail damage.	No action required.	FAIR	FAIR	LOW	HIGH	10+	C 1
	English Oak			n/a											
	<i>Quercus robur</i>														
T 130	Early-mature	10	3	2	30 25	4		Twin-stemmed at 1m with a balanced crown. Flail damage lower crown. Occasional stub throughout.	No action required.	GOOD	GOOD	MOD	HIGH	40+	B 1
	English Oak			4.5		4.5									
	<i>Quercus robur</i>			4.5											
T 131	Early-mature	9	3	2	45	5		Multi-stemmed at 2m with a balanced crown. Flail damage lower crown. Occasional broken branch.	No action required.	GOOD	GOOD	MOD	HIGH	40+	B 1
	English Oak			5		2									
	<i>Quercus robur</i>			4.5											
T 132	Early-mature	10	3	4	38 26	5.5		Twin-stemmed at 0.5m with a balanced crown. Flail damage lower crown.	No action required.	GOOD	GOOD	MOD	HIGH	40+	B 1
	English Oak			5		3.5									
	<i>Quercus robur</i>			5											
T 133	Mature	14	5	4	86	6		Single-stemmed and vertical with a balanced crown. Stem damage lower stem. Cavity top side of primary limb at 4m (north). Occasional stub.	No action required.	GOOD	GOOD	HIGH	HIGH	40+	B 2
	English Oak			6.5		6									
	<i>Quercus robur</i>			7											

Tree Ref.	Age		Height (m)	Crown Height (m)	Height (m) and Direction of the Lowest Branch	Diameter (cm)	Crown Spread		Observations	Recommendations - 16829c - June 2022		Physiological Condition	Structural Condition	Amenity Value	NHBC Water Demand	Life Expectancy (yrs)	Retention Category
	Common Name						N			Priority							
	Botanical Name						W	E									
							S										
T 134	Mature		15	5	5	74	2		Single-stemmed and vertical with an offset crown. Flail damage lower crown. 2x large deadwood and some minor deadwood throughout.	No action required.		GOOD	FAIR	HIGH	HIGH	40+	B 2
	English Oak						5	3		n/a							
	<i>Quercus robur</i>						5.5										
T 135	Mature		14	6	3	66	4		Single-stemmed and vertical with a balanced crown. No major visible defects.	No action required.		GOOD	GOOD	HIGH	HIGH	40+	B 1
	English Oak						4	4.5		n/a							
	<i>Quercus robur</i>						4										
T 136	Mature		13	5	5	70	4		Twin-stemmed at 2m with a balanced crown. Large decay stub 2-2.5m (west). Deadwood stub 3m (northwest). Minor deadwood throughout.	No action required.		GOOD	GOOD	HIGH	HIGH	40+	B 1
	English Oak						6.5	5		n/a							
	<i>Quercus robur</i>						6.5										
T 137	Mature		14	6	4	85	6		Multi-stemmed at 2.5m with a balanced crown. Medium deadwood lower crown (southwest).	No action required.		GOOD	GOOD	HIGH	HIGH	40+	B 1
	English Oak						6	6		n/a							
	<i>Quercus robur</i>						6.5										
T 138	Mature		13	5	5	80	4		Single-stemmed and vertical. Large stub with cavity at 2.5m (southeast and southwest). Epicormic growth throughout crown.	No action required.		FAIR	GOOD	MOD	HIGH	40+	B 2
	English Oak						6.5	4		n/a							
	<i>Quercus robur</i>						6.5										
T 139	Early-mature		10	6	4	58	4		Single-stemmed and vertical. Large deadwood stub at 1m (south). Flail damage lower crown.	No action required.		GOOD	GOOD	MOD	HIGH	40+	B 2
	English Oak						5.5	3		n/a							
	<i>Quercus robur</i>						3.5										
T 140	Mature		13	5	4	64	4		Single-stemmed and vertical. Flail damage leaving stubs to mid stem.	No action required.		GOOD	GOOD	MOD	HIGH	40+	B 2
	English Oak						6	2.5		n/a							
	<i>Quercus robur</i>						5.5										
T 141	Over-mature		14	6	6	110	9		Single-stemmed and vertical with an offset crown. Cavity at 3m (southeast). Long extending limbs to north, south and west. Medium deadwood and snapped branches leaving long stubs.	Reduce longer limbs if land use changes. <i>Hard surfacing required within the RPA to facilitate the proposals.</i>		GOOD	GOOD	HIGH	HIGH	40+	A 1
	English Oak						9.5	5.5		n/a							
	<i>Quercus robur</i>						9										

Tree Ref.	Age	Height (m)	Crown Height (m)	Height (m) and Direction of the Lowest Branch	Diameter (cm)	Crown Spread		Observations	Recommendations - 16829c - June 2022	Physiological Condition	Structural Condition	Amenity Value	NHBC Water Demand	Life Expectancy (yrs)	Retention Category
	Common Name					Priority									
	Botanical Name						N		E						
							W		S						
T 142	Mature	14	4.5	4	100	8.5		Single-stemmed and vertical with a balanced crown. Minor deadwood throughout.	No action required.  <i>Hard surfacing required within the RPA to facilitate the proposals.</i>	GOOD	GOOD	HIGH	HIGH	40+	A 1
	English Oak					6	8								
	<i>Quercus robur</i>					7.5									
T 143	Mature	12	6	5	72	4		Single-stemmed and vertical with a balanced crown. Bark damage and small cavity northeast stem from 1m to 2m.	No action required.	GOOD	GOOD	MOD	HIGH	40+	B 1
	English Oak					5	5								
	<i>Quercus robur</i>					5									
T 144	Mature	15	4	5	110	7.5		Twin-stemmed at 4m with a balanced crown. Medium to large deadwood at 4m and 5m.	No action required.  <i>Hard surfacing required within the RPA to facilitate the proposals.</i>	GOOD	GOOD	HIGH	HIGH	40+	A 2
	English Oak					5	8.5								
	<i>Quercus robur</i>					7									
T 145	Mature	15	4	4	82	6		Single-stemmed and vertical with a balanced crown. No major visible defects.	No action required.  <i>Hard surfacing required within the RPA to facilitate the proposals.</i>	GOOD	GOOD	HIGH	HIGH	40+	A 1
	English Oak					6	7								
	<i>Quercus robur</i>					8.5									
T 146	Mature	14	6	2	90	7		Single-stemmed and vertical with a balanced crown. Minor deadwood lower crown.	No action required.  <i>Hard surfacing required within the RPA to facilitate the proposals.</i>	GOOD	GOOD	HIGH	HIGH	40+	A 1
	English Oak					5	8.5								
	<i>Quercus robur</i>					6									

Tree Ref.	Age	Height (m)	Crown Height (m)	Height (m) and Direction of the Lowest Branch	Diameter (cm)	Crown Spread		Observations	Recommendations - 16829c - June 2022	Physiological Condition	Structural Condition	Amenity Value	NHBC Water Demand	Life Expectancy (yrs)	Retention Category
	Common Name					Priority									
	Botanical Name						N		E						
							W		S						
T 147	Mature	14	5	6	89	7		Single-stemmed and vertical with a balanced crown. Large amount of medium to large deadwood lower crown. Acceptable condition at present.	Reduce deadwood and monitor if land use changes.	FAIR	FAIR	HIGH	HIGH	20+	B 2
	English Oak					8	9		<i>Hard surfacing required within the RPA to facilitate the proposals.</i>						
	<i>Quercus robur</i>					8			n/a						
T 148	Mature	11	5	5	63	4		Single-stemmed with a compact crown. Stub at 3m.	No action required.	GOOD	GOOD	MOD	HIGH	40+	B 1
	English Oak					3	4.5								
	<i>Quercus robur</i>					5			n/a						
T 149	Over-mature	15	5	4	110	8		Multi-stemmed at 2m with a slightly unbalanced crown. Large decay column from base which extends to dead co-dominant stem (west). Bark necrosis around lower stem. Minor deadwood throughout.	Monolith.	FAIR	FAIR	MOD	HIGH	20+	B 2
	English Oak					3	9.5		<i>Hard surfacing required within the RPA to facilitate the proposals.</i>						
	<i>Quercus robur</i>					8.5			n/a						
T 150	Mature	12	5	4	98	7		Twin-stemmed at 2m with a balanced crown. Deadwood stubs throughout.	No action required.	GOOD	GOOD	HIGH	HIGH	40+	A 3
	English Oak					6	6		<i>Hard surfacing required within the RPA to facilitate the proposals.</i>						
	<i>Quercus robur</i>					8			n/a						
T 151	Mature	13	5	3	72	6.5		Single-stemmed and vertical with a balanced crown. No major visible defects. Cavity at 5m with good surrounding wound wood.	No action required.	GOOD	GOOD	HIGH	HIGH	40+	B 1
	English Oak					5.5	7		<i>Hard surfacing required within the RPA to facilitate the proposals.</i>						
	<i>Quercus robur</i>					7.5			n/a						

Tree Ref.	Age	Height (m)	Crown Height (m)	Height (m) and Direction of the Lowest Branch	Diameter (cm)	Crown Spread		Observations	Recommendations - 16829c - June 2022	Physiological Condition	Structural Condition	Amenity Value	NHBC Water Demand	Life Expectancy (yrs)	Retention Category
	Common Name					Priority									
	Botanical Name						W		E						
	S														
T 152	Mature	14	4	4	94	4.5		Single-stemmed and vertical with a balanced crown. Epicormic growth up the stem to 4m.	No action required.	GOOD	GOOD	HIGH	HIGH	40+	B 1
	English Oak					4	6		<i>Hard surfacing required within the RPA to facilitate the proposals.</i>						
	<i>Quercus robur</i>					5			n/a						
T 153	Mature	11	4	3	74	6		Single-stemmed with epicormic growth lower stem.	No action required.	GOOD	GOOD	HIGH	HIGH	40+	B 1
	English Oak					5	5		<i>Hard surfacing required within the RPA to facilitate the proposals.</i>						
	<i>Quercus robur</i>					5			n/a						
T 154	Mature	12	4	3	68	3.5		Single-stemmed with a cavity at 2m - minor decay. Epicormic growth and flail damage to lower stem and branches.	No action required.	GOOD	GOOD	HIGH	HIGH	40+	B 1
	English Oak					4.5	6								
	<i>Quercus robur</i>					3.5			n/a						
T 155	Mature	6	2	3	24	3		Single-stemmed and vertical with a balanced crown. No major visible defects.	No action required.	GOOD	GOOD	MOD	HIGH	40+	B 1
	English Oak					3	4								
	<i>Quercus robur</i>					3			n/a						
G 156	Semi-mature	7	0	0	10 x 10 avg.	See plan.		Multiple-stemmed Boundary group of Willow. Leaning stems with cavities at the base. Occasional stem wounds.	No action required.	FAIR	FAIR	LOW	HIGH	10+	C 2
	Goat Willow														
	<i>Salix caprea</i>								n/a						
G 157	Over-mature	10	2	0	50 35	3.5		Two trees, both having snapped out stems. Fungal brackets ( <i>Inonotus hispidus</i> ) to stems, deadwood to remaining sparse crowns.	Monolith to 4m.	POOR	POOR	LOW	MOD	<10	U
	Common Ash					2	6								
	<i>Fraxinus excelsior</i>					4			n/a						
G 158	Young to semi-mature	10	0	0	18 avg.	See plan.		Linear boundary group of Alder and Willow.	No action required.	GOOD	GOOD	LOW	HIGH & MOD	40+	C 2
	Group														
	<i>Details in observations</i>								n/a						

Tree Ref.	Age		Height (m)	Crown Height (m)	Height (m) and Direction of the Lowest Branch	Diameter (cm)	Crown Spread		Observations	Recommendations - 16829c - June 2022		Physiological Condition	Structural Condition	Amenity Value	NHBC Water Demand	Life Expectancy (yrs)	Retention Category
	Common Name						N			Priority							
	Botanical Name						W	E									
							S										
G 159	Semi-mature		14	0	0	22 avg.	See plan.		Linear group of Alder with the occasional Oak tree within. Multiple and Single-stemmed. No major visible defects.	No action required.	GOOD	GOOD	MOD	MOD	40+	B 1	
	Common Alder				0			<i>Part-removal to facilitate the proposed development.</i>									
	<i>Alnus glutinosa</i>				n/a					n/a							
T 160	Mature		11	4	2	60	7		Single-stemmed and vertical with an offset crown. Flail damage lower crown. Cavity at 6m. Primary limb snapped out.	No action required.	GOOD	GOOD	MOD	HIGH	40+	B 1	
	English Oak				7		5.5	<i>n/a</i>									
	<i>Quercus robur</i>				6												
T 161	Mature		13	5	5	75	5		Single-stemmed and leaning with a slightly unbalanced crown. No major visible defects.	No action required.	GOOD	GOOD	MOD	HIGH	40+	B 1	
	English Oak				6.5		6.5	<i>n/a</i>									
	<i>Quercus robur</i>				6												
H 162	Early-mature		2	0	0	3 x 10 avg.	See plan.		Maintained boundary hedge.	No action required.	GOOD	GOOD	MOD	HIGH	40+	B 1	
	Common Hawthorn				0			<i>n/a</i>									
	<i>Crataegus monogyna</i>				n/a												
G 163	Semi-mature		14	0	0	20 avg.	See plan.		Group of Birch on adjacent land.	No action required.	GOOD	GOOD	MOD	LOW	40+	C 2	
	Silver Birch				0			<i>n/a</i>									
	<i>Betula pendula</i>				n/a												
G 164	Early-mature		18	4	4	35 avg.	See plan.		Small coniferous woodland group with Spruce and False Cypress.	No action required.	GOOD	GOOD	MOD	MOD	40+	B 1	
	Scots Pine				4			<i>n/a</i>									
	<i>Pinus sylvestris</i>				n/a												
H 165	Early-mature		3	0	0	2 x 10 avg.	See plan.		Boundary hedge with dense Ivy.	No action required.	GOOD	GOOD	MOD	HIGH	40+	B 2	
	Common Hawthorn				0			<i>n/a</i>									
	<i>Crataegus monogyna</i>				n/a												
T 166	Early-mature		12.5	4	4	40	6		Twin-stemmed at 1.5m with a slightly unbalanced crown. Located on other side of dyke. No major visible defects.	No action required.	FAIR	FAIR	LOW	HIGH	40+	C 2	
	English Oak				6.5		6	<i>n/a</i>									
	<i>Quercus robur</i>				5.5												
T 167	Over-mature		11	2	1	300	4		Veteran tree with collapsed primary limb (southwest). Large swollen and cavernous base.	Pollard any branches over the boundary, back over/in-line with the boundary - <b>3rd party tree.</b>	FAIR	POOR	MOD	HIGH	40+	B 3	
	Crack Willow				10		5										
	<i>Salix fragilis</i>				8		Low										



Tree Ref.	Age		Height (m)	Crown Height (m)	Height (m) and Direction of the Lowest Branch	Diameter (cm)	Crown Spread		Observations	Recommendations - 16829c - June 2022		Physiological Condition	Structural Condition	Amenity Value	NHBC Water Demand	Life Expectancy (yrs)	Retention Category
	Common Name						N			Priority							
	<i>Botanical Name</i>						W	E									
							S										
G 168	Early-mature		13	3	3	65 avg.	See plan.		Single-stemmed and vertical with a balanced crown. No major visible defects.	No action required.	GOOD	GOOD	HIGH	HIGH	40+	B 1	
	English Oak				n/a					n/a							
	<i>Quercus robur</i>																
T 169	Early-mature		11	4	1	40 20	6		Multi-stemmed at ground level with a balanced crown Located on adjacent land and overhanging the boundary. Occasional cavity.	No action required.	GOOD	GOOD	MOD	MOD	40+	B 2	
	Sycamore				8		8										
	<i>Acer pseudoplatanus</i>				5.5												
G 170	Semi-mature		7	2	2	20 avg.	See plan.		Two trees, single-stemmed and vertical with a balanced crowns. No major visible defects.	No action required.	GOOD	GOOD	LOW	MOD	40+	C 2	
	Sycamore				n/a												
	<i>Acer pseudoplatanus</i>																
T 171	Mature		15	3	4	55	6		Single-stemmed and vertical with a balanced crown. Epicormic growth lower stem.	No action required.	GOOD	GOOD	HIGH	HIGH	40+	B 1	
	English Oak				6		6										
	<i>Quercus robur</i>				8												
T 172	Mature		18	3	3	75	9		Single-stemmed and vertical with a balanced crown. Cavity from pruning wound at 3m. Minor deadwood noted.	No action required.	GOOD	GOOD	HIGH	HIGH	40+	B 1	
	English Oak				10		7.5										
	<i>Quercus robur</i>				8												
H 173	Early-mature		2	0	0	15 avg.	See plan.		Maintained boundary hedge.	No action required.	GOOD	GOOD	MOD	HIGH	40+	B 2	
	Common Hawthorn				n/a												
	<i>Crataegus monogyna</i>																
T 174	Mature		15	3	2	75	8.5		Single-stemmed, exposed wood to the mid stem, 2x medium deadwood branches.	No action required.	GOOD	GOOD	MOD	HIGH	40+	B 1	
	English Oak				7.5		7										
	<i>Quercus robur</i>				7.5												

Tree Ref.	Age		Height (m)	Crown Height (m)	Height (m) and Direction of the Lowest Branch	Diameter (cm)	Crown Spread		Observations	Recommendations - 16829c - June 2022		Physiological Condition	Structural Condition	Amenity Value	NHBC Water Demand	Life Expectancy (yrs)	Retention Category	
	Common Name						N			Priority								
	Botanical Name						W	E										
							S											
T 175	Mature		16.5	4	4	70	8		Single-stemmed and vertical with an offset crown. Lower branches flail trimmed with hedge. Moderate deadwood over track. Large deadwood over field.	Deadwood. <i>Crown lift secondary branches only, to 5.6m over the track.</i>		GOOD	FAIR	MOD	HIGH	40+	A	1 2
	English Oak						6.5	7		n/a								
	<i>Quercus robur</i>						7											
T 176	Mature		17	3	3	85	9		Single-stemmed and vertical with an offset crown overhanging the track. Moderate deadwood throughout with a large piece over the field. Decay evident and epicormic growth at 2.5m from snapped branches on the southern side. First scaffold limb to the west has a large pocket of decay.	Deadwood and reduce first scaffold limb to west by 3m if land use changes. <i>Crown lift secondary branches only, to 5.6m over the track.</i>		GOOD	FAIR	MOD	HIGH	40+	A	1 2
	English Oak						7	7.5		8								
	<i>Quercus robur</i>						W											
T 177	Mature		18	3.5	2.5	120	8		Single-stemmed and vertical with an unbalanced crown that overhangs the track. Large stub over the track, crown seems to be in decline.	Deadwood. <i>Crown lift secondary branches only, to 5.6m over the track.</i>		FAIR	GOOD	MOD	HIGH	40+	A	1 2
	English Oak						7	14.5		10								
	<i>Quercus robur</i>						SW											
H 178	Young to mature		3	0	0	10 avg.	See plan.		Boundary hedge adjacent to the track. Some gaps in the hedge have recently been planted, deer guards evident.	Monitor planting, remove deer guards as appropriate. <i>Part-removal; to facilitate the proposals.</i>		FAIR	GOOD	LOW	HIGH	40+	B	2
	Common Hawthorn						n/a											
	<i>Crataegus monogyna</i>						n/a											

Tree Ref.	Age	Height (m)	Crown Height (m)	Height (m) and Direction of the Lowest Branch	Diameter (cm)	Crown Spread		Observations	Recommendations - 16829c - June 2022	Physiological Condition	Structural Condition	Amenity Value	NHBC Water Demand	Life Expectancy (yrs)	Retention Category	
	Common Name					Priority										
	Botanical Name						W		E							
							S									
W 179	Young to over-mature	20	From 1	2	25 avg.	0		Situating on adjacent land. Managed woodland, evidence of gaps from recent felling and replanting. Deer fencing installed. Predominantly Oak, also comprising: Yew, Hornbeam, Sycamore, Ash, Beech, Elder, Birch, a Hawthorn hedge and individual specimens. Oak with column wound near T1 and torn branches to Yew and Hornbeam noted on the western edge.	Advise owner of duty of care and associated liabilities.  <i>Boundary fencing proposed within the RPA - the fencing can be adjusted to allow for the retention of trees.</i>  <i>Access facilitation pruning required - draw back canopy away from the track to the south; to facilitate the proposals.</i>	FAIR	FAIR	HIGH	#N/A	40+	A	1 2
	Mixed species					0	13									
	<i>Details in observations</i>					10.5										
T 180	Mature	13	4	4	90	5		Situating on adjacent land. Twin-stemmed at 4m with a slightly unbalanced crown which overhangs the track. The stems have fused from 1m. Limited inspection due to access. Moderate deadwood and wound from 4m to 6m on the east side of stem.	No action required.	FAIR	FAIR	MOD	MOD	20+	B	1
	Scots Pine					7	5									
	<i>Pinus sylvestris</i>					6										
H 181	Semi to over-mature	8	0	0	10 avg.	See plan.		Boundary hedge running adjacent to a drainage ditch.	No action required.	GOOD	FAIR	MOD	HIGH	40+	B	1
	Common Hawthorn															
	<i>Crataegus monogyna</i>					W										
G 182	Semi-mature to mature	13	0	0	30 avg.	See plan.		Linear group forming boundary screen. One Ash in this group. Limited inspection due to access. Multiple pruning wounds and deadwood noted, Ash in decline, possibly Ash dieback ( <i>Hymenoscyphus fraxineus</i> ).	Deadwood over field. Monitor Ash if land use changes.  <i>Part-removal, 1 specimen to the south of the group, to facilitate the proposals.</i>	GOOD	FAIR	HIGH	MOD	40+	A	1 2
	Common Alder															
	<i>Alnus glutinosa</i>					W										

Tree Ref.	Age	Height (m)	Crown Height (m)	Height (m) and Direction of the Lowest Branch	Diameter (cm)	Crown Spread		Observations	Recommendations - 16829c - June 2022	Physiological Condition	Structural Condition	Amenity Value	NHBC Water Demand	Life Expectancy (yrs)	Retention Category		
	Common Name					Priority											
	Botanical Name						N		E								
							W		S								
H 183	Semi-mature	3.5	0	0	15 avg.	See plan.	Recently reduced to this height. Patchy hedge/boundary screen adjacent to the drainage ditch.	No action required.	FAIR	GOOD	LOW	MOD	20+	C	2		
	Common Alder							n/a									
	<i>Alnus glutinosa</i>							E									
H 184	Semi-mature	4	0	0	10 avg.	See plan.	Part maintained boundary hedge.	No action required.	GOOD	FAIR	MOD	HIGH	20+	B	2		
	Common Hawthorn							n/a									
	<i>Crataegus monogyna</i>							n/a									
G 185	Mature	16.5	4.5	3	95 70 70 80 100 100	8.5	Six boundary trees growing out of <b>H184</b> . All single-stemmed and predominantly vertical. Generally moderate deadwood, some significant, especially to west. Large tear wounds, stubs and cavities noted. Some specimens where dieback is evident. Lower branches/epicormics trimmed into hedge.	Deadwood and reinspect if land use changes.	GOOD	FAIR	HIGH	HIGH	40+	A	1 2		
	English Oak							7.5								7.5	<i>Boundary fencing proposed within the RPA - the fencing can be adjusted to avoid large roots and allow for the retention of the trees.</i>
	<i>Quercus robur</i>							NW								10	n/a
T 186	Mature	14	2	4	80	6	Growing out north side of ditch, single-stemmed and leaning south. Dieback evident, deadwood noted. Limited inspection due to access.	No action required.	GOOD	FAIR	MOD	MOD	20+	B	1 2		
	Common Ash							7								8	
	<i>Fraxinus excelsior</i>							W								11	n/a
T 187	Mature	18	5	5	65	5.5	Single-stemmed and vertical with a balanced crown. Recently snapped out scaffold limb at 2.5m to the south. Wounds to the east 1m above and below snapped limb. Moderate deadwood noted.	Monolith.	FAIR	POOR	MOD	MOD	10+	C	1 2		
	Common Ash							6								6.5	
	<i>Fraxinus excelsior</i>							n/a								5	Low
T 188	Over-mature	11	4	5	50	4	Limited inspection due to access. Single-stemmed and vertical with an offset crown from flail trimming, which is in decline. Some regrowth from snapped limbs, decay pockets throughout. Limited long-term future.	Monolith.	POOR	POOR	MOD	MOD	10+	C	1 2		
	Common Ash							5								4.5	
	<i>Fraxinus excelsior</i>							N								4	Low

Tree Ref.	Age	Height (m)	Crown Height (m)	Height (m) and Direction of the Lowest Branch	Diameter (cm)	Crown Spread		Observations	Recommendations - 16829c - June 2022	Physiological Condition	Structural Condition	Amenity Value	NHBC Water Demand	Life Expectancy (yrs)	Retention Category
	Common Name					Priority									
	Botanical Name						N		E						
							W		S						
T 189	Mature	12	1	5	25 avg.	7		Multi-stemmed at ground level with a balanced crown. Epicormic growth at base, minor wounds, some tears, and deadwood noted. No major visible defects.	No action required.	GOOD	GOOD	MOD	MOD	40+	A 1
	Common Alder					7.5	7								
	<i>Alnus glutinosa</i>					7									
T 190	Early-mature	6	1	1	15 x5	6		Multi-stemmed at ground level with a slightly unbalanced crown. Flail trimmed on north side, multiple wounds.	No action required.	GOOD	FAIR	LOW	HIGH	10+	C 2
	Goat Willow					4	6								
	<i>Salix caprea</i>					4									
H 191	Semi-mature	16	4	5	#25 x20	7		Boundary hedge/screen, predominantly Poplar with Hawthorn underplanting; Ash, Willow, Alder, Oak, Dog-Rose and Elder also present. Dead stems and moderate deadwood noted.	Deadwood and fell dead stems.	GOOD	FAIR	HIGH	HIGH to LOW	40+	A 1 2
	Mixed species					8	8								
	<i>Quercus robur</i>					8									
G 192	Mature	18	3.5	4	Avg. 60, to 80	6.5		Predominantly single-stemmed and vertical with balanced crowns. Epicormic growth generally trimmed into hedge. Moderate deadwood throughout and cavities noted, worst specimen highlighted on plan. Limited inspection due to access.	Deadwood and fell dead stems/specimen.	GOOD	FAIR	HIGH	HIGH	40+	A 1 2
	English Oak					7	7.5								
	<i>Quercus robur</i>					7									
G 193	Early-mature	6	4	1	25	2		Boundary group comprising parent stem and suckering growth.	No action required.	GOOD	FAIR	LOW	MOD	10+	C 2
	Wild Cherry					3	2								
	<i>Prunus avium</i>					3									
T 194	Mature	20	2.5	6	112	6		Single-stemmed and vertical with an offset crown. Cavities to lower stem, around 4m. Moderate deadwood noted. Limited inspection due to access.	No action required.	GOOD	GOOD	HIGH	MOD	40+	A 1
	Common Beech					6	10								
	<i>Fagus sylvatica</i>					8									
H 195	Semi-mature	3	0	0	10 avg.	-5		Maintained boundary hedge.	No action required.	GOOD	GOOD	MOD	HIGH	40+	B 1 2
	Common Hawthorn					0.5	-5								
	<i>Crataegus monogyna</i>					0.5									

Tree Ref.	Age	Height (m)	Crown Height (m)	Height (m) and Direction of the Lowest Branch	Diameter (cm)	Crown Spread		Observations	Recommendations - 16829c - June 2022	Physiological Condition	Structural Condition	Amenity Value	NHBC Water Demand	Life Expectancy (yrs)	Retention Category	
	Common Name					Priority										
	Botanical Name						W		E							
							S									
W 196	Young to early-mature	20	6	4	30 avg.	See plan.		Predominantly Sycamore; Ash, Spruce, Elm, Poplar and Alder. Evidence of pruning over track, however, main gate for track near farm has dead stem adjacent and Sycamore cavities at 4m. Play area and storage yard within. Ivy establishment on numerous specimens restricted inspection.	Remove Ivy; Remove dead stems; Remove dead limbs; adjacent to site.	FAIR	FAIR	HIGH	HIGH to MOD	40+	A	
	Mixed species								Low							1
	<i>Details in observations</i>								n/a							2
T 197	Early-mature	14	4	3.5	40, 20	5.5		Twin-stemmed at 1m with a slightly unbalanced crown. Smallest stem to north has wound up to 6m.	Remove northern stem back to main union.  <i>Access facilitation pruning required - crown reduce canopy to provide clearance of the track; to facilitate the proposals.</i>	FAIR	FAIR	LOW	LOW	10+	C	
	Downy Birch					5	6		1							
	<i>Betula pubescens</i>					4			2							
G 198	Early-mature	13	2.5	2.5	20 avg.	See plan.		One Twin-stemmed at 2m, the rest single-stemmed. No major visible defects. Limited inspection due to access.	No action required.	GOOD	GOOD	MOD	LOW	40+	B	
	Downy Birch								n/a							1
	<i>Betula pubescens</i>								N							2
T 199	Early-mature	16	1.5	1	40	6.5		Single-stemmed and vertical with a balanced crown which overhangs the boundary. Stubs and minor deadwood noted. Limited inspection due to access.	No action required.	GOOD	GOOD	MOD	LOW	40+	B	
	Downy Birch					6.5	6.5		1							
	<i>Betula pubescens</i>					6.5			2							
T 200	Mature	17	4	4	#80	5		Single-stemmed and vertical with a balanced crown which has been flailed to 4m on the north-eastern side. Large stub to the north-west. Moderate deadwood, cavities and decay onset.	Deadwood.	FAIR	FAIR	HIGH	HIGH	40+	A	
	English Oak					5.5	5		1							
	<i>Quercus robur</i>					5			2							
T 201	Early-mature	11	1	3	45	5		Situated on adjacent land, limited inspection due to access. Crown lifted to 3.5m on north-eastern side.	No action required.	GOOD	GOOD	MOD	MOD	20+	B	
	Common Alder					5	5		1							
	<i>Alnus glutinosa</i>					5			2							

Tree Ref.	Age		Height (m)	Crown Height (m)	Height (m) and Direction of the Lowest Branch	Diameter (cm)	Crown Spread		Observations	Recommendations - 16829c - June 2022		Physiological Condition	Structural Condition	Amenity Value	NHBC Water Demand	Life Expectancy (yrs)	Retention Category
	Common Name						N			Priority							
	Botanical Name						W	E									
							S										
T 202	Mature		11	1	3.5	40 30 25 15	5		Multi-stemmed at ground level with a balanced crown flailed to 3m. Medium wound eastern stem, minor deadwood and epicormic growth at base.	No action required.	GOOD	GOOD	MOD	MOD	20+	B	1 2
	Common Alder						5	5									
	<i>Alnus glutinosa</i>						5										
T 203	Over-mature		16	4	4	60 75 70	6		Multi-stemmed at 2m with an unbalanced crown. One stem snapped at 3m. Multiple snapped out limbs at top of crown, with one piece remaining 4m above. Retrenching, major deadwood. Limited inspection due to access.	Monolith if public/contractor access is allowed/required.	FAIR	POOR	HIGH	HIGH	40+	A	1 2
	English Oak						5	9									
	<i>Quercus robur</i>						10										
T 204	Mature		18	6	3	75	5		Single-stemmed and vertical with an unbalanced crown. Moderate deadwood over adjacent land. Limited inspection due to access and Ivy on stem.	No action required.	FAIR	GOOD	MOD	HIGH	40+	A	1
	English Oak						6	12									
	<i>Quercus robur</i>						12										
G 205	Early-mature		18	1	4	40 avg.	6		Row of trees situated on adjacent land, inspection was limited due to access. No major visible defects.	No action required.	GOOD	GOOD	HIGH	HIGH	40+	A	1 2
	English Oak						6	6									
	<i>Quercus robur</i>						6										
G 206	Semi-mature to Mature		17	0	0	40 avg.	5		Linear group of boundary trees that extends into the next field. Mixed age, some stumps and Ivy noted. No major visible defects. Limited inspection due to access.	No action required.	FAIR	FAIR	HIGH	HIGH	40+	A	1 2
	English Oak						6	6									
	<i>Quercus robur</i>						5										
G 207	Semi-mature		14	0	0.5	30 avg.	7		Linear boundary group, flailed to 3m. One dead Birch. No major visible defects.	No action required.	GOOD	GOOD	HIGH	HIGH	40+	A	1 2
	English Oak						5	1.5									
	<i>Quercus robur</i>						8										

Tree Ref.	Age	Height (m)	Crown Height (m)	Height (m) and Direction of the Lowest Branch	Diameter (cm)	Crown Spread		Observations	Recommendations - 16829c - June 2022	Physiological Condition	Structural Condition	Amenity Value	NHBC Water Demand	Life Expectancy (yrs)	Retention Category	
	Common Name					Priority										
	Botanical Name						W		E							
							S									
W 208	Young to over-mature	22	0	0	39 avg.	See plan.		Mixed age woodland, predominantly semi/early-mature. Comprising; Alder, Birch, Oak, Holly, Beech, Elder, Blackthorn, Hawthorn, Sycamore and Ash. Ivy on stems adjacent to <b>Field 13</b> . Moderate deadwood and stand stems with Hoof fungus ( <i>Fomes fomentarius</i> ). Other defects noted within potential falling distance.	Remove Ivy; Remove defective stems; Remove defective limbs; adjacent to site.	FAIR	FAIR	HIGH	HIGH to LOW	40+	A	1 2
	Mixed species			Low												
	<i>Details in observations</i>			n/a												
T 209	Early-mature	17	1.5	1	45	7		Single-stemmed and vertical with a balanced crown. Limited inspection due to access. Minor deadwood over adjacent land. No major visible defects.	No action required.	GOOD	GOOD	HIGH	HIGH	40+	A	1
	English Oak			7		7	n/a									
	<i>Quercus robur</i>			7												
T 210	Young	7	2	2.5	15 15 15	3		Between shed and field. Limited inspection due to access.	No action required.	GOOD	GOOD	LOW	MOD	10+	C	1
	Common Alder			3		3	n/a									
	<i>Alnus glutinosa</i>			3												
T 211	Mature	5	0	3.5	8 avg.	3		Situated on adjacent land, limited inspection due to this. Flaied to 3m on the site side.	No action required.	GOOD	FAIR	LOW	HIGH	20+	C	1
	Common Hawthorn			3		2	n/a									
	<i>Crataegus monogyna</i>			4												
H 212	Early-mature	3.5	0	0	10 avg.	1.5		Maintained field boundary hedge	No action required.	GOOD	GOOD	MOD	HIGH	40+	B	2
	Common Hawthorn			2		2	n/a									
	<i>Crataegus monogyna</i>			1.5												
H 213	Early-mature	3.5	0	0	10 avg.	1		Maintained field boundary hedge.	No action required.	FAIR	FAIR	MOD	HIGH	40+	B	2
	Common Hawthorn			1.5		1.5	n/a									
	<i>Crataegus monogyna</i>			1												
T 214	Over-mature	8	1	4	35 avg.	5		Multi-stemmed at ground level with an unbalanced crown. Flaied to 4m, snapped hanger resulting. Crown retrenching.	Deadwood.	FAIR	POOR	MOD	MOD	20+	B	1
	Common Alder			6		4	Low									
	<i>Alnus glutinosa</i>			4												



Tree Ref.	Age	Height (m)	Crown Height (m)	Height (m) and Direction of the Lowest Branch	Diameter (cm)	Crown Spread		Observations	Recommendations - 16829c - June 2022	Physiological Condition	Structural Condition	Amenity Value	NHBC Water Demand	Life Expectancy (yrs)	Retention Category		
	Common Name					Priority	N		W							E	
	Botanical Name						S										
G 215	Mature	9	4	0	40	5		Boundary group, flailed to 4m. Limited inspection due to access. Large flail wound 2-4m.	Monitor flail wound.	GOOD	POOR	HIGH	MOD	40+	A	1	
	Common Alder					6	6		Low							2	
	<i>Alnus glutinosa</i>					1											
T 216	Semi-mature	7.5	3	3	30	5		Single-stemmed and vertical with a balanced crown, minor deadwood noted.	No action required.	GOOD	FAIR	HIGH	HIGH	40+	A	1	
	English Oak					5	5		n/a								
	<i>Quercus robur</i>					4											
H 217	Early-mature	3.5	0	0	15 avg.	See plan.		Maintained field boundary hedge.	No action required.	GOOD	GOOD	MOD	HIGH	40+	B	1	
	Common Hawthorn								n/a								2
	<i>Crataegus monogyna</i>																
T 218	Mature	15	3.5	4	60	8		Twin-stemmed at 4m, epicormic growth at base trimmed into hedge. Cavity at 4m. Minor deadwood and sparse crown.	No action required.	FAIR	GOOD	HIGH	HIGH	40+	A	1	
	English Oak					7	9		n/a								2
	<i>Quercus robur</i>					7.5											
T 219	Mature	16	4	5	83	9		Single-stemmed and vertical with an offset crown. Large wound to northern scaffold limb possible hazard beam.	Monitor.	GOOD	POOR	HIGH	HIGH	40+	A	1	
	English Oak					6	9		Low								2
	<i>Quercus robur</i>					8											
T 220	Early-mature	16	4	4.5	50	9		Single-stemmed and vertical with an offset crown. Epicormic growth trimmed into hedge. Moderate deadwood and cavities noted.	No action required.	FAIR	GOOD	HIGH	HIGH	40+	A	1	
	English Oak					6	8		n/a								2
	<i>Quercus robur</i>					7											
T 221	Mature	16	3	3	65	8		Single stem, kinked from 2-3.5m. Large cavity at 1.5-2m. Epicormic growth in hedge. Deadwood and cavities noted.	Deadwood & Monitor.	GOOD	POOR	HIGH	HIGH	40+	A	1	
	English Oak					5	5		n/a								2
	<i>Quercus robur</i>					8											
T 222	Early-mature	16	3.5	3.5	40	7		Single-stemmed and vertical with an offset crown. Minor deadwood and cavities noted. Epicormic growth in hedge. No major visible defects.	No action required.	GOOD	GOOD	HIGH	HIGH	40+	A	1	
	English Oak					4	6		n/a								2
	<i>Quercus robur</i>					6											

Tree Ref.	Age	Height (m)	Crown Height (m)	Height (m) and Direction of the Lowest Branch	Diameter (cm)	Crown Spread		Observations	Recommendations - 16829c - June 2022	Physiological Condition	Structural Condition	Amenity Value	NHBC Water Demand	Life Expectancy (yrs)	Retention Category	
	Common Name					Priority	N		E						1	2
	Botanical Name						W		S							
T 223	Mature	12	3	3.5	40 40 30	7		Multiple-stemmed at 1.5m, multiple snap outs (west), minor deadwood throughout, epicormic growth trimmed into hedge.	Monitor.	FAIR	POOR	HIGH	HIGH	40+		
	English Oak					4	6									
	<i>Quercus robur</i>					5										
T 224	Mature	16	5	4.5	75	9		Single-stemmed and vertical with an offset crown. Minor deadwood and epicormic growth trimmed into hedge.	No action required.  <i>Boundary fencing proposed within the RPA - the fencing can be adjusted to avoid large roots and allow for the retention of the tree.</i>	GOOD	GOOD	HIGH	HIGH	40+	A	2
	English Oak					5	9									
	<i>Quercus robur</i>			n/a		9										
T 225	Mature	15	4	2	60	7.5		Single-stemmed and leaning with an unbalanced crown. Dieback to western crown and possible hazard beam. Epicormic growth trimmed into hedge.	Monitor condition.  <i>Crown lift to 5.6m over the proposed track; Hard surfacing required within the RPA; to facilitate the proposals.</i>	FAIR	FAIR	HIGH	HIGH	40+	A	2
	English Oak					4.5	6									
	<i>Quercus robur</i>			W		9										
H 226	Early-mature	2.5	0	0	7 avg.	See plan.		Maintained boundary hedge, being flailed as surveying.	No action required.  <i>Part-removal to facilitate the proposals.</i>	GOOD	FAIR	MOD	HIGH	40+	B	2
	Common Hawthorn															
	<i>Crataegus monogyna</i>			n/a												

Tree Ref.	Age	Height (m)	Crown Height (m)	Height (m) and Direction of the Lowest Branch	Diameter (cm)	Crown Spread		Observations	Recommendations - 16829c - June 2022	Physiological Condition	Structural Condition	Amenity Value	NHBC Water Demand	Life Expectancy (yrs)	Retention Category	
	Common Name					Priority										
	Botanical Name						W		E							
	S															
H 227	Young to over-mature	15	0	0	Avg. 30	See plan.		Unmaintained boundary screening, predominantly Ash and Alder. Birch, Hawthorn, Willow, Poplar, Oak and Dog-rose also present. Ivy on stems, deadwood and dead stems noted. Limited inspection due to access.	Deadwood over/adjacent to site. <i>Part-removal; Access facilitation pruning; to facilitate the proposals.</i>	FAIR	FAIR	HIGH	HIGH to LOW	40+	B	1 2
	Mixed species								Low							
	<i>Details in observations</i>								E							
W 228	Young to semi-mature	18	# From 2	5	20 avg.	See plan.		Unmaintained, recently planted woodland comprising; Alder, Pine, Ash, Larch and Hawthorn. Acceptable condition at present, would benefit from thinning.	<i>Remove to facilitate the proposed development.</i>	FAIR	FAIR	MOD	HIGH to MOD	20+	B	1 2
	Mixed species								n/a							
	<i>Details in observations</i>								N							
G 229	Semi-mature	13	#4	4	40 avg. & 27#	2.5		1 Single-stemmed and 1 Twin-stemmed at 4m, with slightly unbalanced crowns. Dense Ivy limited inspection and is restricting crown.	Sever Ivy and reinspect.	POOR	FAIR	HIGH	HIGH	20+	B	1 2
	English Oak					5.5	6.5		Moderate							
	<i>Quercus robur</i>					3										
T 230	Semi-mature	12	#4	4	20	4		Large stem removed near base, some exposed wood from snapped out branch.	No action required.	FAIR	GOOD	HIGH	HIGH	40+	B	1 2
	English Oak					3	4		n/a							
	<i>Quercus robur</i>					6										
G 231	Mature	18	3.5	7	70 avg.	8.5		Two single-stemmed and vertical specimens forming a homogenous crown. Dense Ivy limited the inspection. Moderate deadwood and bark wound at 4m noted.	Sever Ivy and reinspect.	FAIR	FAIR	HIGH	MOD	40+	A	1 2
	Ash					11	10		Low							
	<i>Fraxinus excelsior</i>					10										
T 232	Mature	14	4	4	70	4.5		Single-stemmed and vertical with a slightly unbalanced crown. Dense Ivy on the stem limited the inspection. Moderate deadwood noted.	Sever Ivy and reinspect.	FAIR	FAIR	HIGH	HIGH	40+	A	1 2
	English Oak					6.5	4.5		Low							
	<i>Quercus robur</i>					6										
G 233	Early-mature	15	#4	#4	25 avg.	See plan.		A group of single and multiple-stemmed specimens adjacent to the dyke. Ivy and epicormic growth limited the inspection.	Sever Ivy and remove epicormic growth if land use changes.	GOOD	FAIR	HIGH	MOD	20+	B	1 2
	Alder								Low							
	<i>Alnus glutinosa</i>								n/a							
T 234	Semi-mature	17.5	#5	5	#40	8.5		Single-stemmed and vertical with a slightly unbalanced crown. Moderate deadwood and stubs noted. Ivy limited the inspection.	Sever Ivy and reinspect if land use changes.	FAIR	FAIR	HIGH	HIGH	40+	A	1 2
	Oak					8.5	9.5		Low							
	<i>Quercus robur</i>					7										

Tree Ref.	Age	Height (m)	Crown Height (m)	Height (m) and Direction of the Lowest Branch	Diameter (cm)	Crown Spread		Observations	Recommendations - 16829c - June 2022	Physiological Condition	Structural Condition	Amenity Value	NHBC Water Demand	Life Expectancy (yrs)	Retention Category	
	Common Name					Priority	N		E							
	Botanical Name						W		S							
T 235	Semi-mature	18	#4	4	#40	7		Single-stemmed and vertical with a slightly unbalanced crown, which has been flailed and it appears the centre of the crown has snapped out. Stubs, moderate deadwood and epicormic growth noted.	Deadwood.	FAIR	FAIR	HIGH	HIGH	40+	B	1 2
	Oak					7	7									
	<i>Quercus robur</i>					5			Low							
G 236	Mature	17.5	#4	#4	# Avg. 20 x14	5		Group of 1 twin and 2 multiple-stemmed specimens forming a homogenous crown.	No action required. <i>Boundary fencing proposed within the RPA - the fencing can be adjusted to avoid large roots and allow for the retention of the trees.</i>	GOOD	FAIR	HIGH	MOD	20+	B	1 2
	Alder					10	10									
	<i>Alnus glutinosa</i>					5			n/a							
T 237	Mature	16	#4	#4	#20 x4	4		Multi-stemmed at ground level with a slightly unbalanced crown. Inspection restricted by Ivy.	No action required.	GOOD	FAIR	MOD	MOD	20+	B	1 2
	Alder					4	5									
	<i>Alnus glutinosa</i>					4			n/a							
W 238	Young to semi-mature	18	From 0	0	# To 20	See plan.		Woodland strip/boundary screening, comprising; Dogwood, Alder, Oak, Downy Birch, Ash and Willow. Dead stems, deadwood, snapped branches and hangers noted to the western edge. Would benefit from thinning.	<i>Remove to facilitate the proposed development.</i>	FAIR	POOR	HIGH	HIGH to LOW	40+	B	1 2
	Mixed species															
	<i>Details in observations</i>															

Tree Ref.	Age		Height (m)	Crown Height (m)	Height (m) and Direction of the Lowest Branch	Diameter (cm)	Crown Spread			Observations	Recommendations - 16829c - June 2022		Physiological Condition	Structural Condition	Amenity Value	NHBC Water Demand	Life Expectancy (yrs)	Retention Category
	Common Name						N	W	E		Priority							
	Botanical Name											S						
W 239	Young to early-mature		18	From 0	0	# To 40 avg. 20	See plan.		Predominantly semi-mature, boundary woodland/screening, comprising; Alder, Ash, Hawthorn, Holly, Hazel, Willow, Oak, Elder and Birch. Some snap outs noted, however the crowns barely overhang the field. The lower crowns have been flailed in line with the dyke and have converged with <b>H240</b> in places.	No action required. <i>Access facilitation pruning required, potentially with selective felling; to facilitate the proposals.</i>		FAIR	FAIR	HIGH	HIGH to LOW	40+	A	1 2
	Mixed species									n/a								
	<i>Details in observations</i>																	
H 240	Early-mature		1.5 - 5	0	0	# Avg. 7	See plan.		Predominantly, Hawthorn, Willow and Alder, with occasional other species from <b>W239</b> . Flail trimmed to edge of dyke and maintained at 1.5m in places. Patchy, especially where it runs to the west of <b>W239</b> .	No action required. <i>Part-removal required to facilitate the proposals.</i>		GOOD	GOOD	MOD	HIGH to MOD	40+	B	2
	Mixed species									n/a								
	<i>Details in observations</i>																	

## Appendix 2: Explanation of Tree Descriptions

### A2.1 Measurements/ Reference Information

- A2.1.1 *REF NUMBER*. All items surveyed are allocated a reference number preceded with a letter, identifying the type of vegetation surveyed: T = an individual tree, G = a group of trees or an area of vegetation, W = woodland, H = a hedgerow.
- A2.1.2 *SPECIES: COMMON AND BOTANICAL NAME*. The common and botanical names of the species present are noted. If the species is not clear or identifiable, then a general common name and genus will be noted.
- A2.1.3 *AGE CLASS* of the tree is described as young, semi-mature, early-mature, mature, over-mature, veteran or dead.
- A2.1.4 *HEIGHT* of the tree is measured in metres from the stem base to the top of the crown.
- A2.1.5 *CROWN HEIGHT* is an indication of the height above ground level at which the crown begins.
- A2.1.6 *STEM DIAMETER* is measured at 1.5 metres above (higher) ground level. Where the tree is multi-stemmed at this point; diameter measurements are taken for each stem. If more than five stems are present, an average stem diameter is taken. If for whatever reason it is not practical to measure multiple-stemmed trees in this way, the diameter is measured close to ground level, just above the root buttress.
- A2.1.7 *CROWN SPREAD* is measured from the centre of the stem base to the tips of the branches to all four cardinal points.
- A2.1.8 *HEIGHT AND DIRECTION OF LOWEST BRANCH*. The height and direction of the lowest significant branch is noted because of potential issues relating to clearances and the need for tree pruning.
- A2.1.9 *NHBC WATER DEMAND*. The water demand of each tree, as listed in NHBC Standards 2010 Chapter 4.2 'Building near trees'. This is included to aid structural engineers, architects and other members of the design team as it determines foundation depth and other considerations with regard to trees.

## A2.2 Evaluations

A2.2.1 *PHYSIOLOGICAL CONDITION* is classed as good, fair, poor, or dead. This is an indication of the health and vitality of the tree and takes into account vigour, presence of disease and dieback.

A2.2.2 *STRUCTURAL CONDITION* is classed as good, fair or poor. This is an indication of the structural integrity of the tree and takes into account significant wounds, decay and quality of branch junctions.

A2.2.3 *LIFE EXPECTANCY* is classed as; 0, less than 10 years, 10+ years, 20+ years, or 40 + years. This is an indication of the minimum number of years before removal of the tree is likely to be required.

A2.2.4 *AMENITY VALUE*. A general indication is given in respect to the amenity/landscape value of the tree/group within the surrounding area.

A2.2.5 *PRIORITIES*. A priority rating is given concerning the time periods in which the recommended works should be undertaken. LOW priority works should be undertaken within 12 months of the survey, MOD (moderate) priority works should be undertaken within 6 months and HIGH priority works should be completed as soon as practically possible. If no works are recommended, N/A (not applicable) will be used.

## A2.3 Retention Categories

A2.3.1 *A (marked green on the Tree Constraints Plan) = Trees of high quality.*

These trees are of high quality and value with a good life expectancy (usually with an estimated remaining life expectancy of 40 years).

A2.3.2 *B (marked in blue on the Tree Constraints Plan) = Trees of moderate quality.*

These trees are of moderate quality and value with a reasonable life expectancy (usually with an estimated life expectancy of at least 20 years).

A2.3.3 *C (marked in grey on the Tree Constraints Plan) = Trees of low quality.*

These trees are of low quality and value but which are in adequate condition to remain or are young trees with a stem diameter below 15cm (usually with an estimated life expectancy of at least 10 years).

A2.3.4 Trees categorised as retention category 'A', 'B' or 'C' are then justified by being further divided into 3 subcategories:

1 = Mainly arboricultural qualities.

2 = Mainly landscape qualities.

3 = Mainly cultural values, including conservation value.

**A2.3.5 U (marked in red on the Tree Constraints Plan) = Trees usually unsuitable for retention due to poor condition.**

These trees are in such a condition that they cannot be realistically retained as living trees in the context of the current land use for longer than 10 years. This may be due to any of the following:

- 1) Failure is likely due to serious, irredeemable, structural defects.
- 2) Removal of other category U trees will render them exposed and unstable.
- 3) They are in serious, overall decline or are dead.
- 4) They are of low quality and suppressing adjacent trees of better quality.
- 5) Diseases are present which may affect the health of adjacent trees.

These trees should be removed or treated in such a way as to make them safe where they have high ecological value, such as in a woodland setting.



## Appendix 3: General Guidelines

- A3.1 All tree work should be undertaken to BS 3998: 2010 '*Recommendations for tree work*' or other recognised industry practice.
- A3.2 Staff carrying out the work must be qualified, experienced and ideally be Arboricultural Association approved contractors. They should be covered by adequate public liability insurance.
- A3.3 This report is based upon a visual inspection. The consultant shall not be responsible for events which happen after this time due to factors which were not apparent at the time, and the acceptance of this report constitutes an agreement with the guidelines and the terms listed therein.
- A3.4 Any defects seen by a contractor or the employer that were not apparent to the consultant must be brought to the consultant's attention immediately.
- A3.5 No liability can be accepted by JCA in respect of the trees unless the recommendations of this report are carried out under the supervision of JCA and within JCA's timescale.
- A3.6 It is advisable to have trees inspected by an arboricultural consultant on a regular basis.

## Appendix 4: Glossary of Terms & Abbreviations

<b>Arboriculture</b>	The cultivation of trees in order to produce individual specimens of the greatest ornament, for shelter or any primary purpose other than the production of timber or fruit.
<b>Canker</b>	Disease damaged area of a tree, usually caused by fungus or bacteria affecting the bark.
<b>Co-dominant stem</b>	A stem which has grown in direct competition to the main stem and which has formed a substantial size influencing the appearance of the tree.
<b>Crown lift</b>	The removal of the lowest branches, usually to a given height. It allows more residual light and greater clearance underneath for vehicles etc.
<b>Crown reduction</b>	The reduction of a tree's height and spread while preserving its natural shape.
<b>Crown thin</b>	The removal of some of the density of a tree's crown, usually 5-15% allowing more light through its canopy and reducing wind resistance.
<b>Deadwood</b>	Either dead branches, or a procedure involving the removal of dead, dying and diseased branches.
<b>Dieback</b>	Where branches are beginning to show signs of death usually at the tips in the crown.
<b>Epicormic shoots</b>	Small branches that grow in clusters around the base of the stem of a tree or within the crown. This is usually as a result of bad pruning or some other stress factor, although can be a natural growth pattern for some species of tree (eg Lime species).
<b>Formative pruning</b>	The pruning of a tree to remove weaknesses and irregularities which may lead to future problems. The formative pruning operation is aimed at reducing the potential for future weaknesses or problems within the tree's crown and to encourage an optimal canopy shape.
<b>Included bark</b>	Where the bark on two adjoining branches or stems is growing tight together, forming a joint with limited physical strength.
<b>Pollarding</b>	A method of tree management in which the main trunk and principle branches of the tree are cut to the same height, and the resulting branches are then cropped on a regular basis.
<b>Remedial pruning</b>	The removal of old stubs, deadwood, epicormic growth, rubbing or crossing branches and other unwanted items from the tree's crown. Sometimes referred to as crown cleaning.
<b>RPA</b>	Root Protection Area – Theoretical rooting area of a tree as defined in BS5837:2012 <i>Trees in relation to construction</i> .

## **Topping**

Topping is a form of pruning that removes terminal growth leaving a 'stub' cut end. Topping can cause serious health problems to a tree.

## Appendix 5: Author Qualifications

### Principal Consultant and Managing Director

**Jonathan Cocking** *F.R.E.S., Tech. Cert. (Arbor.A), PDipArb (RFS) FArborA CBiol MSB. MICFor.* Jonathan is a Registered Consultant and Fellow of the Arboricultural Association and sits on its Professional Committee. He has 31 years' experience in the Arboricultural profession and served for eight years as Senior Arboriculturist with a large local authority before establishing JCA in 1997. Jonathan has since developed JCA's portfolio of services and its extensive client base. He is a Chartered Biologist, a Chartered Arboriculturalist and an Expert Witness with much experience of litigation work.

### Technical Director

**Toby Thwaites** *BSc (Hons), HND (Arboriculture), MArborA.* Toby joined JCA in 1998 after graduating in Ecology at the University of Huddersfield and has since graduated in Arboriculture at the University of Central Lancashire. A former JCA team leader and Consulting Arboriculturist, Toby is now Technical Director and oversees all office and on-site activities at JCA and is on hand to offer technical support and advice.

### Operations Director

**Charles Cocking** *FdSc (Arboriculture), MArborA.* Charles joined JCA in January 2014 having previously worked for the company on a part time basis during 2013. Charles obtained his Foundation Degree in Arboriculture at Askham Bryan College, York, and is a Professional Member of the Arboricultural Association. Charles now oversees all internal operations for the company.

### Consulting Staff: Arboriculture

**Andrew Bussey.** Andrew started working in consultancy at JCA in 2006 having spent 12 years working as an arborist for various private companies before joining a Local Authority forestry team. He has various NPTC qualifications, is QTRA qualified and is a LANTRA Accredited Professional Tree Inspector.

**Emily Wilde** *FdSc (Arboriculture).* Emily joined JCA having previously worked for various private tree surgery and consultancy companies over the past 8 years. She initially obtained a ND in Forestry & Arboriculture, followed by a FdSc in Arboriculture at Askham Bryan College, York. Emily has various NPTC certificates and is QTRA qualified.

**Mick Eltringham** *ND (Forestry).* Mick joined JCA after spending 12 years working in the industry for various private companies in the north and south of England. He has also spent the last five years working as a consultant for two canopy research projects in the Amazon Rainforest, working with Oxford University and the University of Arizona. He has various NPTC Qualifications.

**Dan Kemp** *FdSc (Arboriculture).* Dan joined JCA with nearly 30 years' experience in arboriculture. He worked as a London Tree Officer for 12 years and in several arboricultural and horticultural management posts, specialising particularly in tree risk assessments and tree related subsidence.

**Ryan Bateman** *BSc (Hons), FdSc (Arboriculture), TechArborA.* Ryan joined JCA in 2020 after working as a Lecturer on the Foundation Degree in Arboriculture at Askham Bryan College in York. Ryan has both practical skills, NPTC qualifications and theoretical knowledge and owned his own contracting business prior to, and whilst working as a lecturer.

**Luke Wickham** *FdSc (Arboriculture and Urban Forestry).* Luke joined JCA in 2021 after obtaining his Foundation Degree in Arboriculture and Urban Forestry at Askham Bryan College. Having previously worked within the industry for the past 4 years, running his own small business and sub-contracting for local firms, Luke brings a sound knowledge and understanding of the practical and academic sides of the industry.

**Hazel Irving** *FdSc (Arboriculture and Urban Forestry).* Hazel joined JCA in 2022 after obtaining her Foundation Degree in Arboriculture and Urban Forestry at Askham Bryan College. She has previously worked in the horticulture industry, volunteered with the National Trust and Yorkshire Arboretum and completed the 2021 student research internship at the RHS Wisley Plant Health Centre.

**Scott Hincks** *City & Guilds (Forestry).* Scott joined JCA in January 2022 and brings 25 years of tree management experience. He has worked as an Arborist operating in the Utility and Domestic areas, including working for Network Rail, Northern Electricity board, Canal & River Trust, National Trust, Housing Associations and Local Authorities. Scott has many NPTC certificates in practical Arboriculture and volunteers his time and skills to the Woodland Trust.

### Consulting Staff: Ecology

**Adam West, Principal Ecologist** *BSc (Hons) Animal and Wildlife Management*. Adam joined JCA to lead the expanding ecology department. Having returned to education as a mature student, Adam studied Countryside Management for two years before undertaking a Bachelor's degree, for which he was awarded First Class Honours. Adam has many years' experience in ecological consultancy, working on projects ranging from individual planning applications to national infrastructure projects. Adam holds a Natural England Level 1 great crested newt survey class licence, a Natural England Level 2 bat survey class licence (and the Scottish and Welsh equivalents) and a CSCS card.

**Audrey Bourdais Paull, Graduate Ecologist** *BSc (Hons) Zoology*. Audrey joined JCA in 2022 after graduating in Zoology from the University of Leeds. Audrey volunteered for many years with various wildlife conservation and rescue organisations, as well as working on various projects to develop a variety of field survey techniques, report writing and data analysis skills. Audrey is looking forward to developing her ecology consultancy experience with JCA, as well as combining her previous dog training and detection work with ecology to expand into ecology detection dogs.

**Helen Chambers, Seasonal Ecologist** *MSc by Research in Environmental Studies, BSc (Hons) Wildlife Conservation with Zoo Biology*. Helen joined JCA in 2022 after completing her master's by research degree at the University of Salford. In 2019 Helen graduated with First Class Honours BSc Wildlife Conservation with Zoo Biology, where she gained theoretical knowledge of, and practical experience with, wildlife monitoring and wildlife legislation. She is hoping to further develop her ecological surveying and report writing skills at JCA.

### **Administrative Staff**

**Catherine Cocking** Accounts Manager.  
**Kelly Saunders** Accounts Assistant.

**Lorraine Spink** Administrative Assistant.  
**Lisa Beedham** Marketing Manager.

# Appendix 6: Tree Constraints Plan

ADDRESS: Land at Allertorpe, Common Lane, East Riding of Yorkshire, YO24 4RL.  
JCA REF: 16829/EaR

SCALE 1:2000

PAPER SIZE A1

SURVEYED BY: EaR

DRAWN BY: EaR

APPROVED BY:  
EW & RB



Arboricultural & Ecological Consultants

## BRITISH STANDARD 5837: 2005 4.3.1 RETENTION CATEGORIES

Detailed definitions of these categories are at Appendix 2 of our report. N.B. These categories do not necessarily represent or correspond to recommendations for action made in this report.

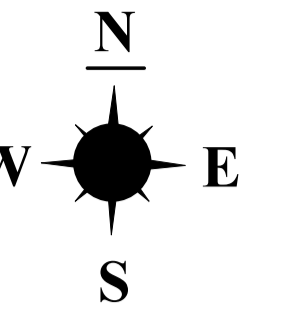
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	CATEGORY B: 'RETENTION DESIRABLE'
	CATEGORY C: 'TREE WHICH COULD BE RETAINED'
	CATEGORY R: 'TREE FOR REMOVAL'
	CENTRE OF TREE/SHRUB
	CENTRE OF TREE/SHRUB TO BE REMOVED
	ROOT PROTECTION AREA

## Root Protection Area: RPA

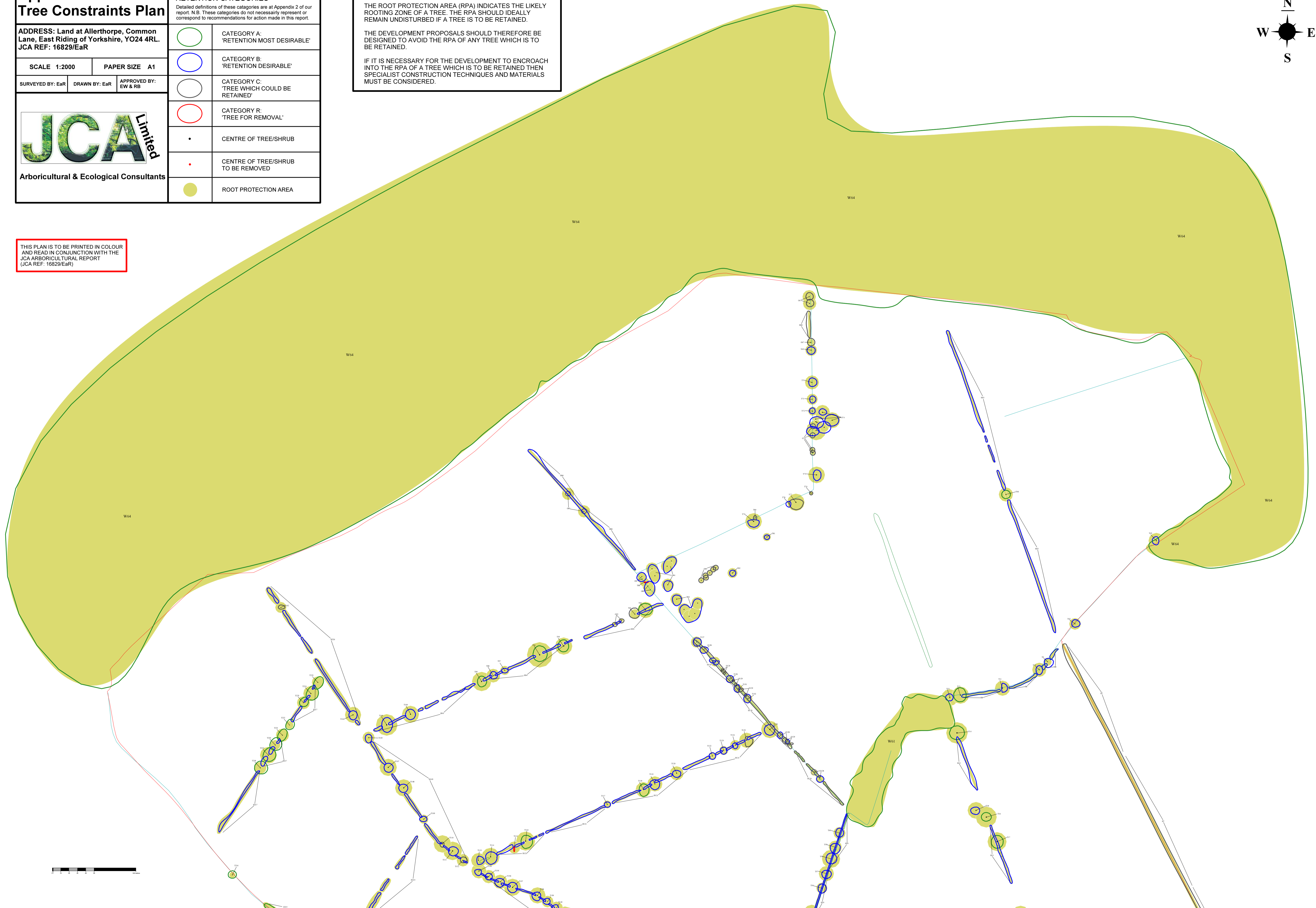
THE ROOT PROTECTION AREA (RPA) INDICATES THE LIKELY ROOTING ZONE OF A TREE. THE RPA SHOULD IDEALLY REMAIN UNDISTURBED IF A TREE IS TO BE RETAINED.

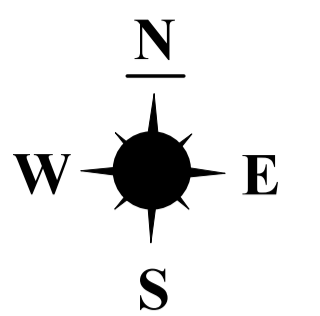
THE DEVELOPMENT PROPOSALS SHOULD THEREFORE BE DESIGNED TO AVOID THE RPA OF ANY TREE WHICH IS TO BE RETAINED.

IF IT IS NECESSARY FOR THE DEVELOPMENT TO ENCROACH INTO THE RPA OF A TREE WHICH IS TO BE RETAINED THEN SPECIALIST CONSTRUCTION TECHNIQUES AND MATERIALS MUST BE CONSIDERED.



THIS PLAN IS TO BE PRINTED IN COLOUR  
AND READ IN CONJUNCTION WITH THE  
JCA ARBORICULTURAL REPORT  
(JCA REF: 16829/EaR)





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### Root Protection Area: RPA

THE ROOT PROTECTION AREA (RPA) INDICATES THE LIKELY ROOTING ZONE OF A TREE. THE RPA SHOULD IDEALLY REMAIN UNDISTURBED IF A TREE IS TO BE RETAINED.

THE DEVELOPMENT PROPOSALS SHOULD THEREFORE BE DESIGNED TO AVOID THE RPA OF ANY TREE WHICH IS TO BE RETAINED.

IF IT IS NECESSARY FOR THE DEVELOPMENT TO ENCROACH INTO THE RPA OF A TREE WHICH IS TO BE RETAINED THEN SPECIALIST CONSTRUCTION TECHNIQUES AND MATERIALS MUST BE CONSIDERED.

### Appendix 6: Tree Constraints Plan

ADDRESS: Land at Allthorpe, Common Lane, East Riding of Yorkshire, YO42 4RL.  
JCA REF: 16829/EaR

SCALE 1:2000

PAPER SIZE A1

SURVEYED BY: EaR DRAWN BY: EaR APPROVED BY: EW & RB

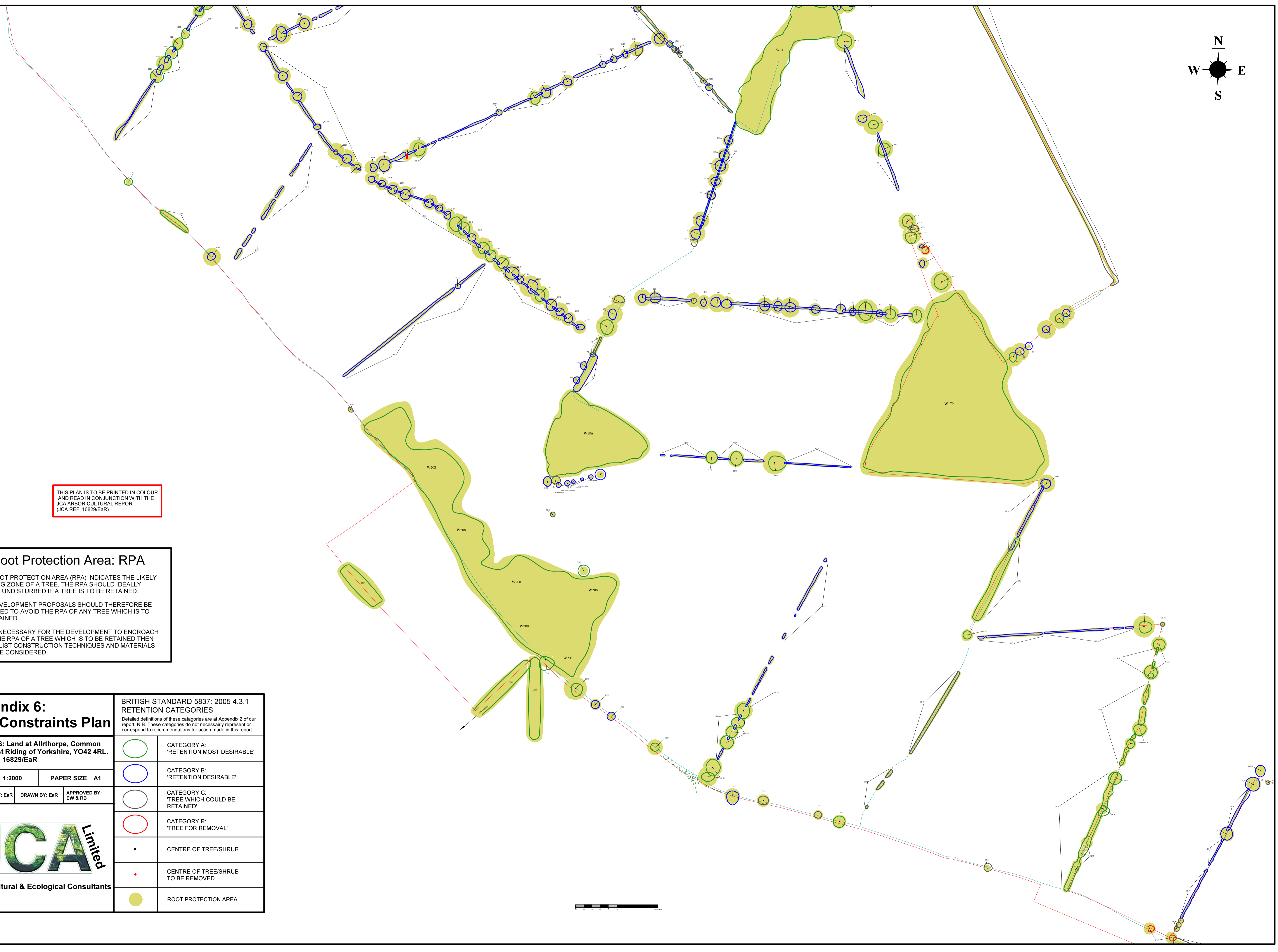


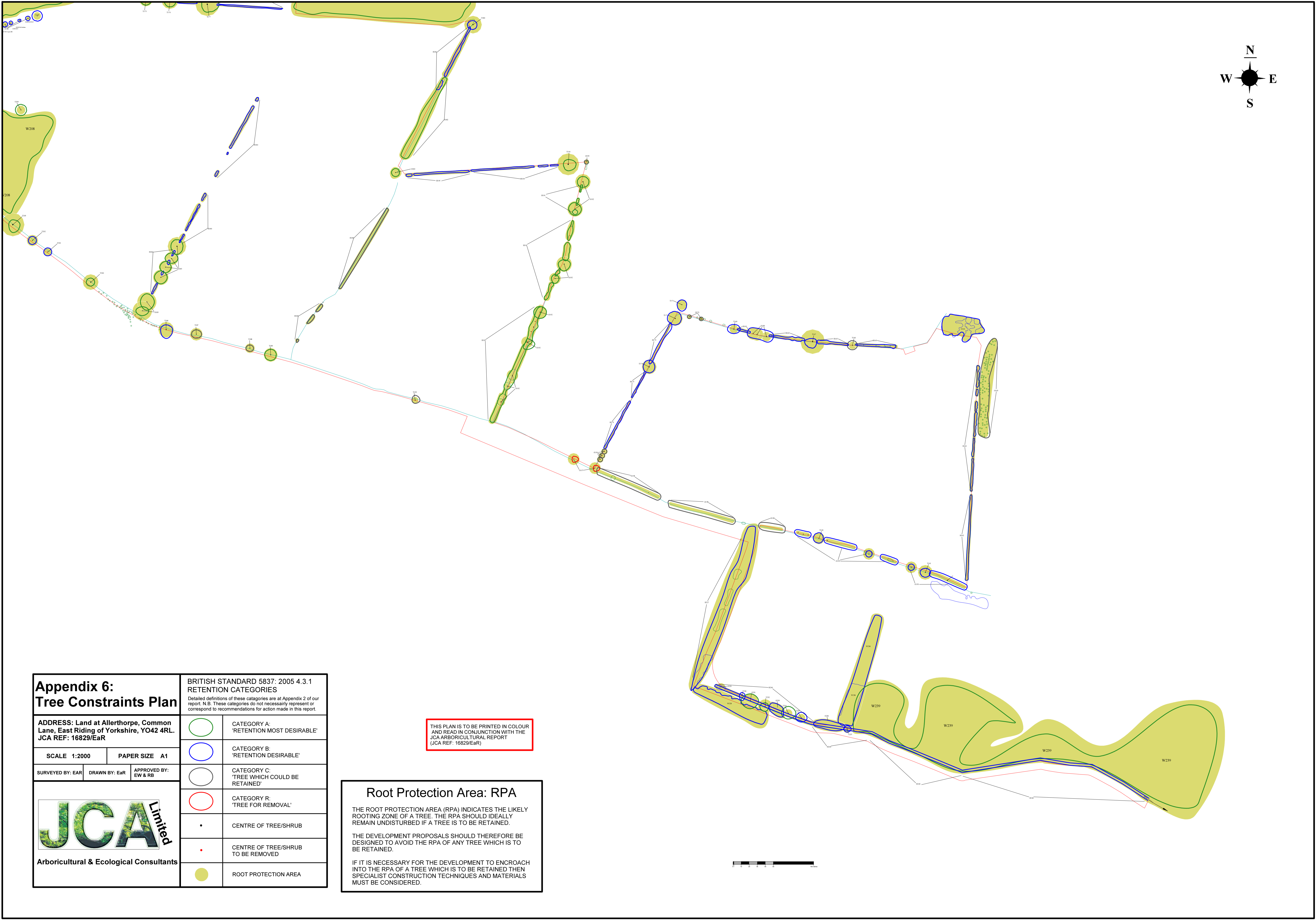
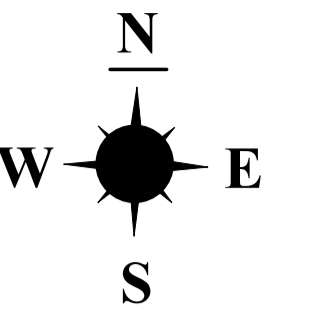
Arboricultural & Ecological Consultants

#### BRITISH STANDARD 5837: 2005 4.3.1 RETENTION CATEGORIES

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	CATEGORY A: 'RETENTION MOST DESIRABLE'
	CATEGORY B: 'RETENTION DESIRABLE'
	CATEGORY C: 'TREE WHICH COULD BE RETAINED'
	CATEGORY R: 'TREE FOR REMOVAL'
	CENTRE OF TREE/SHRUB
	CENTRE OF TREE/SHRUB TO BE REMOVED
	ROOT PROTECTION AREA





**Appendix 6:  
Tree Constraints Plan**

ADDRESS: Land at Allerthorpe, Common Lane, East Riding of Yorkshire, YO42 4RL.  
JCA REF: 16829/EaR

SCALE 1:2000 PAPER SIZE A1  
SURVEYED BY: EAR DRAWN BY: EaR APPROVED BY: EW & RB



BRITISH STANDARD 5837: 2005 4.3.1 RETENTION CATEGORIES	
Detailed definitions of these categories are at Appendix 2 of our report. N.B. These categories do not necessarily represent or correspond to recommendations for action made in this report.	
	CATEGORY A: 'RETENTION MOST DESIRABLE'
	CATEGORY B: 'RETENTION DESIRABLE'
	CATEGORY C: 'TREE WHICH COULD BE RETAINED'
	CATEGORY R: 'TREE FOR REMOVAL'
	CENTRE OF TREE/SHRUB
	CENTRE OF TREE/SHRUB TO BE REMOVED
	ROOT PROTECTION AREA

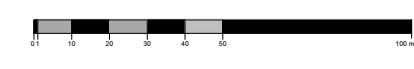
THIS PLAN IS TO BE PRINTED IN COLOUR AND READ IN CONJUNCTION WITH THE JCA ARBORICULTURAL REPORT (JCA REF: 16829/EaR)

**Root Protection Area: RPA**

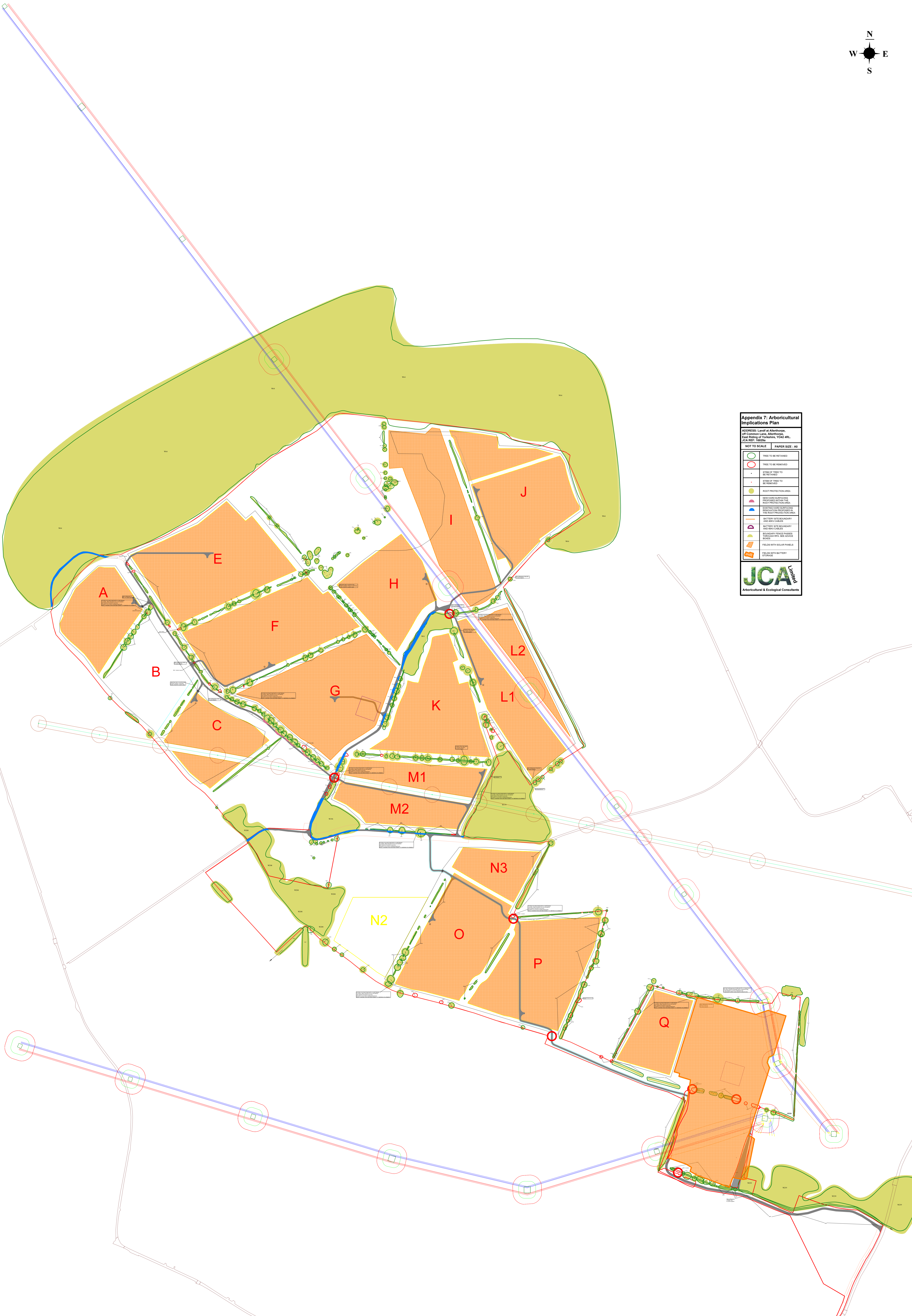
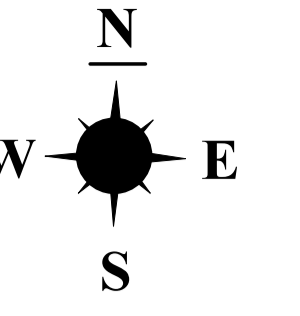
THE ROOT PROTECTION AREA (RPA) INDICATES THE LIKELY ROOTING ZONE OF A TREE. THE RPA SHOULD IDEALLY REMAIN UNDISTURBED IF A TREE IS TO BE RETAINED.

THE DEVELOPMENT PROPOSALS SHOULD THEREFORE BE DESIGNED TO AVOID THE RPA OF ANY TREE WHICH IS TO BE RETAINED.

IF IT IS NECESSARY FOR THE DEVELOPMENT TO ENCROACH INTO THE RPA OF A TREE WHICH IS TO BE RETAINED THEN SPECIALIST CONSTRUCTION TECHNIQUES AND MATERIALS MUST BE CONSIDERED.







**Appendix 7: Arboricultural Implications Plan**  
ADDRESS: Land at Allerton, off Common Lane, Allerton, East Riding of Yorkshire, YO4 4RL, JCA REF: 18281  
NOT TO SCALE | PAPER SIZE: A0

	TREE TO BE RETAINED
	TREE TO BE REMOVED
	STEM OF TREE TO BE RETAINED
	STEM OF TREE TO BE REMOVED
	ROOT PROTECTION AREA
	EXISTING LAND SURROUNDING PROPOSED PROTECTION AREA
	BATTERY SITE BOUNDARY AND RIVY CABLES
	BATTERY SITE BOUNDARY AND RIVY CABLES
	BATTERY SITE BOUNDARY AND RIVY CABLES
	BOUNDARY FENCE PASSAGE
	FIELDS WITH SOLAR PANELS
	FIELDS WITH BATTERY STORAGE

**JCA** Limited  
Arboricultural & Ecological Consultants

I hope that this report provides all the necessary information, but should any further advice be needed please do not hesitate to contact the author.

Signed



.....  
Ryan Bateman *BSc (Hons), FdSc (Arboriculture), TechArborA.*

8<sup>th</sup> July 2022

For and on behalf of *JCA Ltd*

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*Report printed on recycled paper*

# JCA Ltd. Arboricultural and Ecological Consultants

## Professional Tree and Ecology Advice nationwide

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### ARBORICULTURAL SERVICES

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#### Guidance for Architects and Developers

- British Standard 5837 Tree Surveys
- Arboricultural Implication Assessments (AIA)
- Arboricultural Method Statements (AMS)

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#### Tree Advice for the Legal Profession

- Subsidence Litigation
- Personal Injury and Accident Investigation
- Expert Witness, Planning Inquiries and Appeals

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#### Advice for Engineers, Loss Adjusters and Insurers

- Tree Surveys for Subsidence
- Heave Assessment
- Tree Root Identification

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#### Veteran Tree Management

- Ancient Woodland Management
- Veteran Tree Management

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#### Advice for Local Authorities and Social Housing

- Tree Safety Surveys
- Specialist Decay Detection
- Landscape and Orchard Design

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#### Tree Health and Pest and Disease Management

- Pest and Disease Surveys
- Tree Health Checks
- Disease Mitigation and Control

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### ECOLOGICAL SERVICES

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#### Ecological Pre-Planning Services

- Phase 1 Habitat Surveys
- Great Crested Newt eDNA Sampling
- Protected Species: Bat, Wintering and Nesting Bird, Badger, Amphibian, Otter, Water Vole, White-Clawed Crayfish, Dormice and Reptile Surveys.
- Preparation for Environmental Impact Assessment (EIA)
- Invasive Species Surveys
- Code for Sustainable Homes

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#### Ecological Post-Planning Services

- Biodiversity Enhancement Plans
- Protected Species Mitigation
- Ecological Management (Bat and Bird box installation and inspection)

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#### HEAD QUARTERS:

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