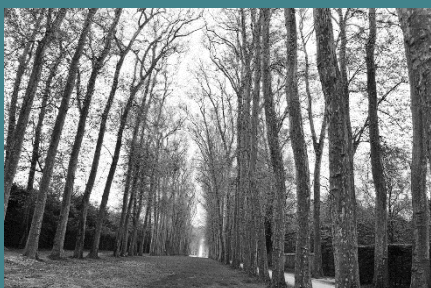


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ARBORICULTURAL IMPACT ASSESSMENT AND METHOD STATEMENT

Client

Indurent Management Ltd.

Project

**H4 Development,
Heywood Distribution Park**

Date

May 2025

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Rev	Issue Status	Prepared/Date	Approved/Date
-	Final	EC / 06/05/25	MHE / 08/05/25
A	Final	EC / 15/05/25	TEP / 15/05/25
B	Final	EC / 23/05/25	TEP / 25/05/25

1.0 INTRODUCTION

- 1.1 This Arboricultural Method Statement (AMS) has been prepared by FPCR Environment and Design Limited on behalf of Indurent Management Ltd. to provide an assessment of impact arising from proposed development and provide the methods of protection for retained trees at H4 Development, Heywood Distribution Park (hereafter referred to as 'the site').
- 1.2 This AMS includes an assessment of the relationship and any potential conflicts between the proposals and the existing trees and provides a detailed methodology by which the construction operation will be carried out, whilst safeguard trees in a satisfactory condition.

Planning Consent

- 1.3 Outline planning permission with all matters reserved for the development of land within Use Classes E(g)(iii) (industrial processes), B2 (general industrial), B8 (storage and distribution) and removal of existing structures and hard standing and associated works, was granted by Rochdale Metropolitan Borough Council, in May 2025, (Planning Reference 24/00805/OUT). The permission was granted subject to a series of conditions.
- 1.4 This AMS has been provided to discharge Condition 23 of the Outline planning consent granted, as detailed below.

Condition 23:

The submission of any reserved matters application for any phase of the development shall be supported by an updated Arboricultural Impact Assessment (AIA) in relation to the finalised site layout plan for that phase.

The updated AIA for each phase shall confirm the specific tree protection measures to be implemented during the construction of that phase and construction of the development within that phase shall be undertaken in accordance with the approved details for that phase.

- 1.5 This document has been prepared to address the requirements of Condition 23 and is submitted as part of an application for the approval of Reserved Matters. Compliance with this AMS, once approved by the Local Planning Authorities (LPA) will be a requirement of all relevant contractors associated with the development.

Considerations and Limitations

- 1.6 This Method Statement is concerned solely with arboricultural issues related to the site referenced only.
- 1.7 In advance of any operations not detailed in this Method Statement and in any instance where full compliance cannot be guaranteed. The project arboricultural consultant should be contacted immediately, and further examinations would be required.

2.0 OVERVIEW OF TREES ON SITE

- 2.1 FPCR Environment and Design undertook an assessment of the site on 17th January 2024, for the Outline planning application (24/00805/OUT), in accordance with the guidance contained within British Standard 5837:2012 'Trees in Relation to Design, Demolition and Construction - Recommendations' (hereafter referred to as BS5837).
- 2.2 Appendix A presents details of all the individual trees and groups recorded during the latest assessment including heights, diameters at 1.5m from ground level, crown spread (given as a radial measurement from the stem), comments as to the overall condition at the time of inspection, BS5837 category of quality and suitability for retention and the root protection area.
- 2.3 The individual positions of trees have been shown on the Tree Survey Plan (10662-T-01). The positions of trees are based on a topographical / land survey, as far as possible, supplied by the client. Where topographical information has not identified the position of trees these have been plotted using a global positioning system and aerial photography to provide approximate locations. The crown spread and root protection area (RPA) are also indicated on this plan.

Statutory Considerations

- 2.4 Local authorities reserve the right to create Tree Preservation Orders (TPO) to protect specific trees and woodlands in the interests of preserving the amenity value of a particular site or location.
- 2.5 Following consultation with the Local Planning Authority, Rochdale Metropolitan Borough Council, it is understood that there is a Tree Preservation Order, namely Tree Preservation Order No. 132 1995, which applies to twenty-four trees present within the assessment site. Table 1 below details which trees are afforded protection, these trees are also identified on the Tree Survey Plan (10662-T-01) and within the Tree Schedule (Appendix A)

Table 1: Tree Preservation Order Details

Tree No. taken from FPCR	TPO reference no.	Tree No. taken from FPCR	TPO reference no.
T43	G8	T62	G1
T44	G8	T63	G1
T45	G8	T64	G1
T46	G8	T65	G1
T47	G8	T66	G1
T48	G8	T67	G1
T49	T6	T69	G1
T51	G7	T70	G1
T52	G7	T72	G1
T59	G1	T74	G1
T60	G1	T97	G1
T61	G1	T98	G1

- 2.6 A TPO prohibits cutting down, topping, lopping uprooting or wilful damage caused to trees covered by the TPO and such actions, if carried out without the prior written consent of the acting LPA.

3.0 ARBORICULTURAL IMPACTS

- 3.1 As part of this AMS, a Tree Retention Plan (10662-T-05) has been prepared to show the proposed detailed layout for a single employment unit with parking and service yard, open storage area, access, landscaping and associated infrastructure, in relation to the existing tree cover, allowing for an assessment of any potential conflicts.
- 3.2 Table 2 below summarises the impact on tree stock and these impacts have been discussed in more detail following the table.

Table 2: Summary of Impact on Tree Stock

	Trees to be Removed	Reason for Removal
Category B (Moderate Quality / Value)	T46, T47, T48	Three trees within a grassed island within an expanse of hardstanding. The proposals would see this grassed area removed to create a car park, requiring the removal of these three trees.
	T50	Situated within a grass verge in the south of the site and shown to be removed to allow for earthworks necessary to implement the main access from Mulberry Way and for a proposed substation
	T57	Situated within the centre of the site and shown to be removed as tree directly conflicts with the proposed employment unit
Category C (Low Quality / Value)	T54	Situated within the centre of the site and shown to be removed as tree directly conflicts with the proposed employment unit
	G9	Situated within the centre of the site and shown to be removed as group directly conflicts with the proposed employment unit
	G11(Part Removal)	Partial removal of sections which extends across the site and directly conflicts with the proposed employment unit, service yard and open storage.
	G12(Part Removal)	Partial removal of sections which extends within site and directly conflicts with the proposed open storage.
	G13	Situated within the centre of the site and shown to be removed as group directly conflicts with the proposed open storage.
	G15	Situated along northern boundary of the site and shown to be removed to create a 3m working easement from the proposed Fire Track.
	G16	Partial removal of sections which extends within site and directly conflicts with the proposed open storage.

- 3.3 The proposed tree removal is largely as detailed within the Arboricultural Assessment produced by FPCR Environment and Design dated June 2024 for the approved Outline application (24/00805/OUT). With the Reserved Matters layout allowing for the retention of more trees, with G14, G16, T96 and the entirety of G11 and G12, previously identified to be removed.
- 3.4 Three of the individual trees identified to be removed (T46, T47 & T48), are afforded protection by the TPO. Currently these three trees stand within a grassed island within an expanse of hardstanding. The proposals would see this grassed area removed to create a car park, requiring the removal of these three trees. It will be necessary that replacement trees for T46, T47 and T48 are provided, and to ensure the development meets Local Planning Policy G6 replacement trees should be planted at a ratio of two new trees for every one being removed.
- 3.5 The granting of Reserved Matters Approval would allow for the removal of trees afforded protection by a Tree Preservation Order and there would be no requirement to ask for separate consent to remove these trees.
- 3.6 The loss of tree cover on the site should be mitigated for through new tree planting which should provide replacement trees at a ratio of 2:1 to ensure the development meets Local Planning Policy G6.

4.0 ARBORICULTURAL METHOD STATEMENT

- 4.1 This AMS sets out the methodology for all proposed works that affect retained trees on the site. Compliance with this AMS, once approved by the Local Planning Authorities (LPA) Arboricultural Officer, will be a requirement of all relevant contractors associated with the development proposals.

Appointment of Arboricultural Clerk of Works

- 4.2 The appointment of an Arboricultural Clerk of Works prior to starting any construction works, implementing tree surgery and erection of tree protection fencing, shall be a requirement of this AMS.
- 4.3 The Site Manager / Project Manager will be responsible for appointing an Arboricultural Clerk of Works and contacting them in any instance where full compliance cannot be guaranteed i.e. where construction works within areas fenced off to protect trees may be required.

Tree Protection Timeline

- 4.4 Table 3 below, sets out the proposed timeline for Tree Protection measures along with Key Appointment, Supervision and Monitoring Stages of the Arboricultural Clerk of Works

Table 3: Timeline of Tree Protection

Timetable	Actions	Arboricultural Clerk of Works (ACoW) requirements
Pre-commencement site meeting	Pre-commencement site meeting prior to the start of works on site.	Site meeting / Toolbox talk by ACoW (refer to Section 5)
Upon approval of the Detailed planning application	Undertake tree removal as detailed on Tree Retention Plan (Drawing no. 10662-T-05)	Trees to be marked up in, accordance with the approved Tree Retention Plan, using fluorescent marker spray for ease of identification. Tree Surgeon to be present where possible (refer to Section 6)
Prior to construction operations	Erect tree protection fencing as detailed on Tree Protection Plan (Drawing no. 10662-T-06)	Fencing positions to be marked out and pegged (where applicable) by the ACoW to ensure that all fencing is installed in the correct positions (refer to Section 7)
Commence Construction Works		
Construction Works Complete		
Following completion of all construction operations	Removal of Tree Protective Fencing	ACoW to check if all Tree Protective Fencing has been removed and in doing so no damage has occurred to retained trees.
Following completion of all construction operations	Assessment of retained trees	ACoW to review the relationship between retained trees and the new development to assess the condition of retained trees and prepare a schedule of tree works (refer to Section 9)

Key Appointment, Supervision and Monitoring Stages of the Arboricultural Clerk of Works

4.5 The following stages of supervision shall be required:

- Pre-commencement site meeting and Toolbox talk to be carried out.
- Marking trees to be removed with the appointed tree contractor where relevant (**pre-commencement meeting**)
- Walking the site with the Site Manager / Fencing Contractor to measure out the locations of the fencing (**pre-commencement meeting**)
- Arboricultural Clerk of Works to sign off the Tree Protection measures prior to works starting on site (**to follow pre-commencement meeting**)
- Following the completion of construction works and in agreement with the Arboricultural Clerk of Works, the Tree Protection Fencing will be removed.

5.0 INITIAL SITE MEETING / TOOLBOX TALK

- 5.1 An initial site meeting prior to starting any works and erection of tree protection fencing, shall be a requirement of this AMS. At the meeting the Site Manager and Arboricultural Clerk of Works will discuss the methodology and various tree protection measures to be implemented subject to approval by the LPA.
- 5.2 A toolbox talk will also be given to the Site Manager and any on site operatives on the day of the meeting. The purpose of this toolbox talk will be to inform the Site Manager and Operatives of how to protect all retained trees. The toolbox talk shall then be repeated by the Site Manager when new external trades / contractors commence work on site.
- 5.3 The toolbox talk shall focus on informing contractors on the following topics:
- The protection of trees is a requirement of planning approval and failure to comply could result in stop notices being applied or fines;
 - How trees can be harmed on development sites;
 - How the trees on this site will be protected by tree protection fencing;
 - Discussion on particular methods of working near the trees as outlined in this Method Statement;
- 5.4 Evidence of the toolbox being carried out shall be collected. This evidence can be viewed at any time by the Arboricultural Clerk of Works and shared with both the client and the LPA upon request.
- 5.5 Any arboricultural matters arising which are unforeseen will need to be discussed with the Arboricultural Clerk of Works to decide the most appropriate course of action. Any deviation from the AMS will be presented in the form of a short report/record which will be sent to the client and local authority prior to the works being undertaken.

6.0 TREE REMOVAL

- 6.1 The trees to be removed to facilitate the development will be marked up by the Arboricultural Clerk of Works during the pre-commencement site meeting and, where required, with the tree surgeon present. Highly visible fluorescent paint will be used to assist in identification.
- 6.2 The trees to be removed are shown on the Tree Retention Plans (10662-T-05) as red circles hatched with red criss-crossing lines. A key has been provided on each of the plans to assist with identification.
- 6.3 The Site Manager and tree surgery contractor must ensure that any necessary consent has been received from the local authority and that no protected species are harmed whilst carrying out site clearance.
- 6.4 All agreed tree removal will need to be undertaken prior to the main construction activities commencing and so that tree protection fencing can be erected in the positions demonstrated on the Tree Protection Plans.
- 6.5 All vegetation and, particularly, woody vegetation proposed for clearance should be removed outside of the bird-breeding season (March - September inclusive) as all birds are protected under the Wildlife and Countryside Act, 1981 (as amended) whilst on the nest. Where this is not possible, vegetation should be checked for the presence of nesting birds prior to removal by an experienced ecologist.

Stump Removal

- 6.6 All stumps will need to be removed to allow for construction operations. Situated outside of the RPA of any retained trees these stumps can be excavated out using appropriate machinery.

7.0 TREE PROTECTION

- 7.1 Tree Protection Fencing will be installed as detailed in the Tree Protection Plans (10662-T-06). Fencing should be installed using the dimensions indicated on the plan at, where possible, the extent of the root protection areas of retained trees.
- 7.2 The positioning of the Tree Protective Fencing shall be measured out with assistance from the Arboricultural Clerk of Works and, where deemed necessary, with the Site Manager present. Highly visible fluorescent paint and / or marker pegs / stakes will be used to assist in identification.
- 7.3 The fencing will be strong and suitable for the location, type and proximity of construction activity and prevent access of machinery, plant or operative beyond the area required for construction operations.
- 7.4 Full specification tree protection fencing, identified on the Tree Protection Plans (10662-T-06), as a solid magenta line will comprise a Heras HSG151 panel framework supported by scaffold poles driven into the ground. As shown in Appendix B and Figure 1 below.

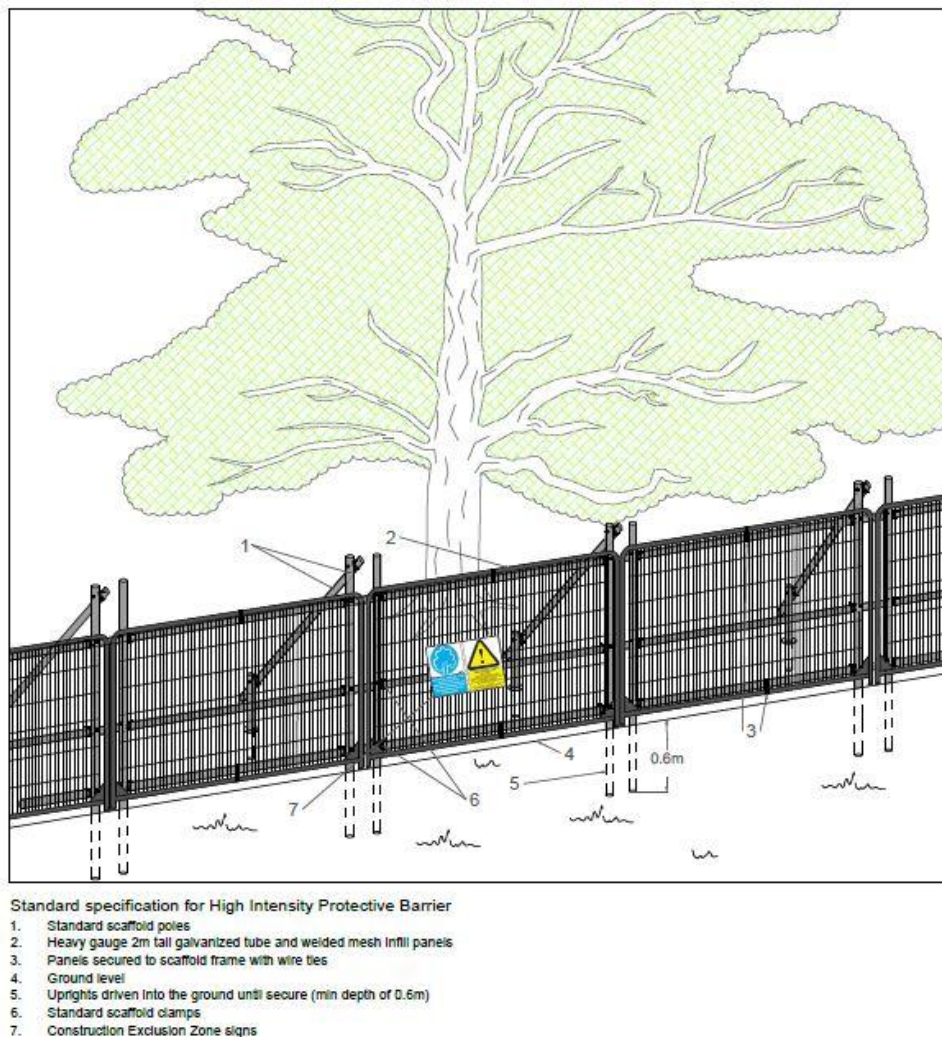


Figure 1 –Specification for Standard Tree Protection Fencing

Installation Guide

- The scaffold framework shall comprise of upright poles of at least 3.0 metres in length driven no less than 0.6 metres into the ground at maximum 3.0 metre centres with horizontal and diagonal poles fixed to the uprights.
 - The two horizontal rail poles shall be attached to the uprights at heights of 0.6 and 1.8 metres with clamps to each joint.
 - The diagonal scaffold pole struts shall be clamped to the top rail of the scaffold framework at a 45° angle and extend back into the root protection area and clamped to a 0.7 metre length of scaffold tube that shall be driven no less than 0.5m into the ground.
 - No fixing shall be made to any tree and all possible precautions shall be taken to prevent damage to tree roots when locating posts.
- 7.5 Where site circumstances allow, existing perimeter chain link fencing will be utilised as part of the Tree Protection Measures. This is identified on the Tree Protection Plans (10662-T-06), as a solid orange line and would be considered sufficient to provide protection to offsite trees (T58, G10 & G11).
- 7.6 Tree Protection Fencing and work exclusion zones will be clearly marked using appropriate signage, an example of which has been included as Appendix C. These signs shall be laminated to ensure they last the duration of the construction works and shall be fixed to the fencing panels every 10 metres along its length.
- 7.7 Following the installation of these protection measures the Arboricultural Clerk of Works should attend site and sign off the tree protection measures prior to construction works starting on site. Photographic evidence should be collected which can be shared with the LPA on request. All Tree Protective Fencing will remain rigid and in place for the duration of the development and should be inspected at weekly intervals by the Site Manager.

Removal of Tree Protection Measures

- 7.8 Following the completion of construction works and in agreement with the Arboricultural Clerk of Works, the Tree Protection Fencing will be removed carefully as to avoid causing root disturbance or leaving in situ any lengths of scaffold framework. This operation can be carried out prior to soft landscaping works such as new planting, mulching grass sowing etc.

8.0 GENERAL TREE PROTECTION MEASURES

- 8.1 This section details non-specific precautionary measures to be applied at all times.
- 8.2 No trees will be removed or pruned during construction other than those detailed within this method statement. Any proposed deviation from the tree removal and retention presented in this document must be discussed with the project Arboricultural Consultant prior to implementation.
- 8.3 No Root Protection Areas will be affected by excavation works, storage of materials, plant or machine access, other than as described by this Method Statement.
- 8.4 No materials or soils are to be stored within the Root Protection Area of the retained trees.
- 8.5 Oil, bitumen, cement or other material that is potentially injurious to trees will not be stacked or discharged within 10m of a tree stem. No concrete mixing will be done within 10m of a tree. Allowance will be made for the slope of ground to prevent materials running towards the tree.
- 8.6 Wide or tall loads etc. should not come into contact with retained trees. Banks man should supervise transit of vehicles where they are in proximity to retained trees.
- 8.7 No fires will be lit where flames are anticipated to extend to within 5m of tree foliage, branches or trunk, taking into consideration wind direction and size of fire.
- 8.8 Notice boards, telephone cables or other services will not be attached to any part of a retained tree.

9.0 TREE MANAGEMENT

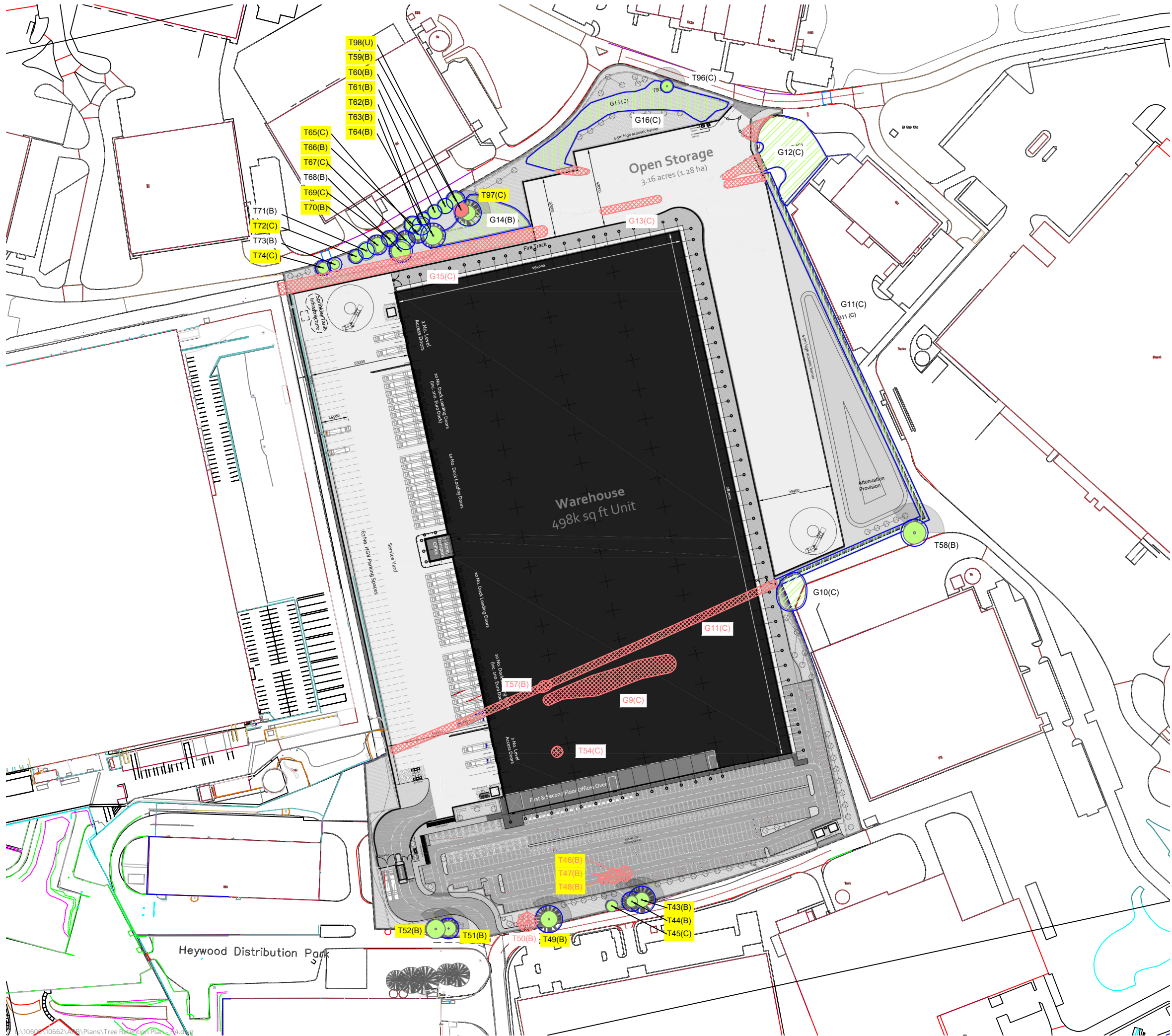
- 9.1 Landowners responsible for trees; especially those within the public domain, have a legal 'duty of care' to ensure that visitors and neighbours of their land are reasonably safe and that nobody comes to harm or injury, by his or her negligence, through taking measures to ensure that risks are reduced as far as is 'reasonably practicable' (The Health and Safety at Work Act 1974).
- 9.2 To ensure that risks are reduced as far as is 'reasonably practicable' it will be necessary that upon completion of the construction phase, a review of the relationship between retained trees and the new development should be undertaken by a qualified arboriculturist to assess the retained tree cover and prepare a schedule of tree works.
- 9.3 Prior to any tree surgery of protected trees not identified as removed within approved plans it will be necessary to apply to the relevant local planning authority to gain consent for the works.
- 9.4 The Occupiers Liability Act (1957 and 1984) also places a 'duty of care' to ensure that no reasonably foreseeable harm takes place due to tree defects. That duty of care should be reasonable, proportionate, and reasonably practicable when managing the risk¹.
- 9.5 It is currently expected that a suitably qualified Arboriculturalist or tree surveyor should inspect trees with an appropriate level of regularity. The purpose of the inspections is to determine whether a tree could foreseeably cause harm by virtue of its size and physical condition.

¹ The Health and Safety at Work Act 1974

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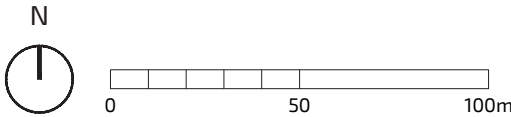
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Notes:

All dimensions to be verified on site. Do not scale this drawing, use figure dimensions only. Drawing to be read in conjunction with Arboricultural Assessment and Appendix A - Tree Schedule.

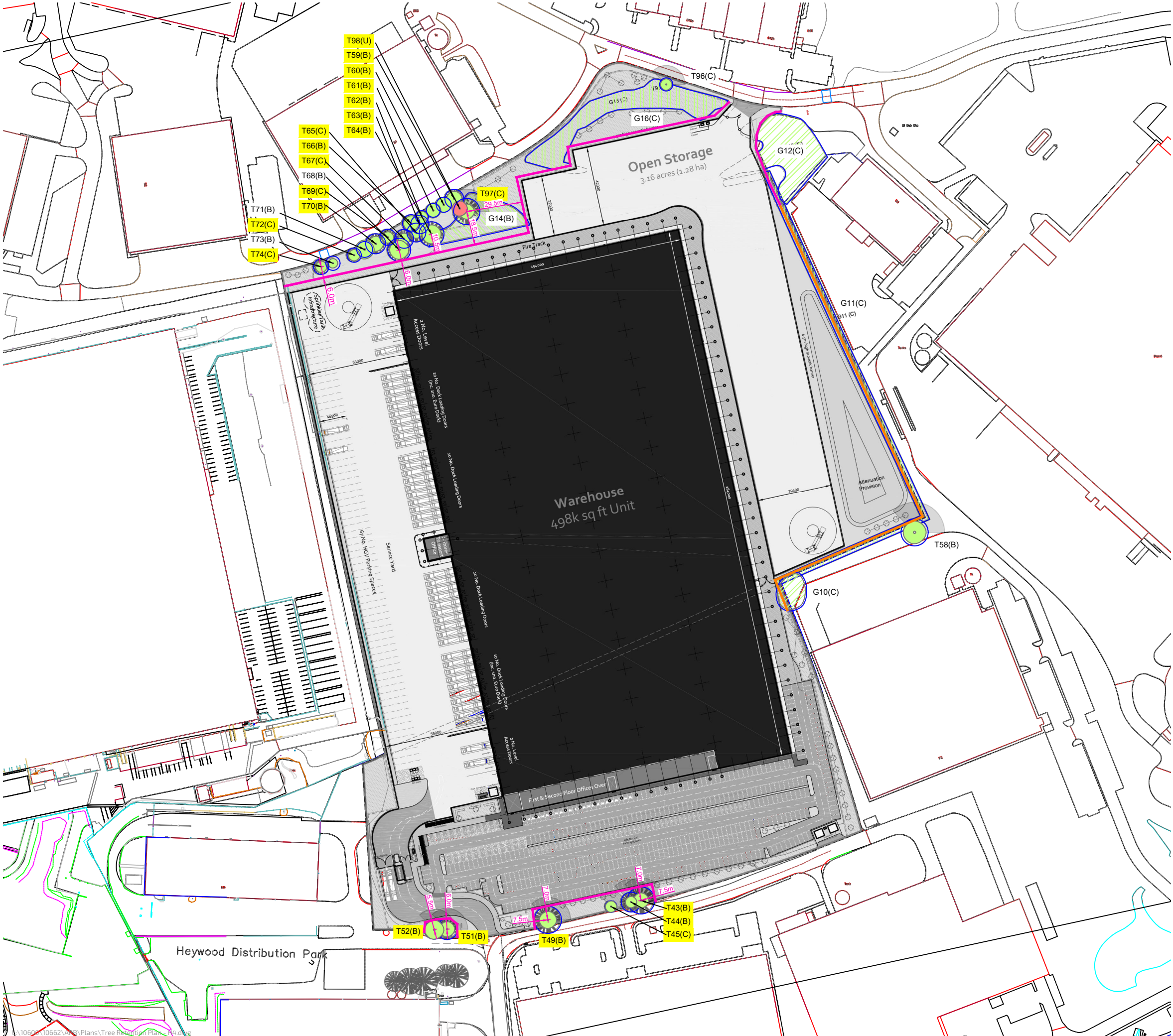
The exact position of individual trees or species included as part of a tree group, woodland or hedgerow should be checked and verified site prior to and decisions for foundation design, tree operations or construction activity being undertaken. Further survey work would be required for calculation foundation depths.

- Tree/Group to be Retained
- Tree/Group proposed to be removed subject to relevant permissions
- Category U - Unsuitable for retention on arboricultural grounds
- Root Protection Area (Shown for retained trees only)
- Individual / Group Number and BS Category
- Individual / Group Number Afforded Protection by Tree Preservation Order No. 132 1995
- Individual / Group Number to be Removed and BS 5837:2012 Category

-	07.06.24	First Issue	EC
A	23.07.24	Update	EC
B	02.05.25	Update	EC
C	15.05.25	Update	EC
D	23.05.25	Update	EC
rev	date	description	drwn/chkd

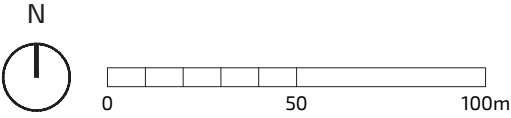
client	Indurent Management Ltd.		
project	H4 Development, Heywood Distribution Park		
title	TREE RETENTION PLAN		
scale	1:2000 @ A3		
number	10662-T-05	status	-
rev			D

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The exact position of individual trees or species included as part of a tree group, woodland or hedgerow should be checked and verified site prior to and decisions for foundation design, tree operations or construction activity being undertaken. Further survey work would be required for calculation foundation depths.

- Tree/Group to be Retained
- Category U - Unsuitable for retention on arboricultural grounds
- Root Protection Area (Shown for retained trees only)
- Individual / Group Number and BS Category
- Individual / Group Number Afforded Protection by Tree Preservation Order No. 132 1995
- Line of Tree Protection Barriers (and distance from tree or retained structure)
- Line of Existing Perimeter Fencing to form part of Tree Protection Measures

-	02.05.25	First Issue	EC
A	15.05.25	Update	EC
B	23.05.25	Update	EC
rev	date	description	drwn/chkd

client	Indurent Management Ltd.		
project	H4 Development, Heywood Distribution Park		
title	TREE PROTECTION PLAN		
number	10662-T-06	status	-
scale	1:2000 @ A3	rev	B

Appendix A - Tree Schedule - H4

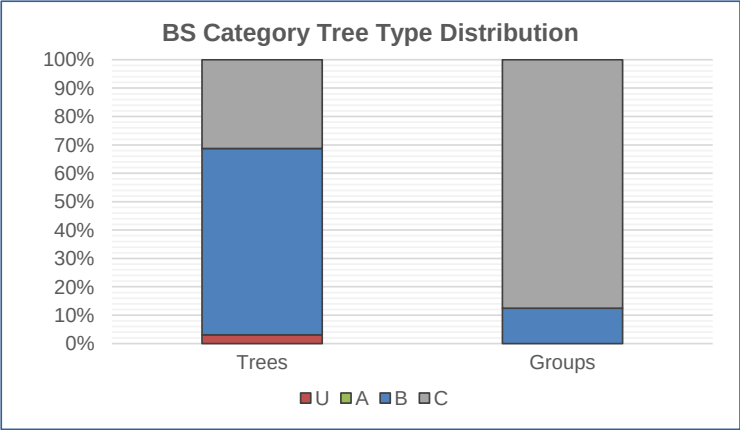
Measurements	Age Classes	Quality Assessment of BS Category	ULE (relates to BS Category)
Height - Measured using a digital laser clinometer (m)	YNG: Establishing, typically with good vigour and fast growth rates and strong apical dominance; c. less than 1/3 life expectancy	Category U - Trees in such a condition that they cannot realistically be retained as living trees in the context of the current land use for longer than 10 years.	<10 years
Stem Dia. - Diameter measured (mm) in accordance with Annex C of the BS5837	SM: Semi-mature trees less than 1/3 life expectancy	Category A - Trees of high quality with an estimated remaining life expectancy of at least 40 years.	40+ years
Crown Radius - Measured using a digital laser clinometer radially from the main stem (m)	EM: Established, typically vigorous and increasing in apical height and lateral spread; 1/3 - 2/3 life expectancy. Offers landscape significance	Category B - Trees of moderate quality with an estimated remaining life expectancy of at least 20 years.	20-40 years
Abbreviations est - Estimated stem diameter avg - Average stem diameter for multiple stems upto - Maximum stem diameter of a group	M: Fully established over 2/3 life expectancy, generally good vigour and achieving full height potential with crown still spreading	Category C - Trees of low quality with an estimated remaining life expectancy of at least 10 years, or young trees with a stem diameter below 150mm.	10-20 years
	OM: Fully mature, at the extremes of expected life expectancy, vigour decreasing, declining or moribund	Sub-categories: (i) - Mainly arboricultural value (ii) - Mainly landscape value (iii) - Mainly cultural or conservation value	
	V: biological, cultural or aesthetic value comprising niche saproxylic habitat. Individuals of large proportions (stem girth) in comparison to trees of the same species/surviving beyond the typical age range for their species.	The BS category particular consideration has been given to the following: • The presence of any structural defects in each tree/group and its future life expectancy • The size and form of each tree/group and its suitability within the context of a proposed development • The location of each tree relative to existing site features e.g. its screening value or landscape features • Age class and life expectancy	

Structural Condition	Physiological Condition	Root Protection Area (RPA)
Good - No significant structural defects	Good - No significant health problems	• The RPA Radius column provides the extent of an equivalent circle from the centre of the stem (m). • The RPA is calculated using the formulae described in paragraph 4.6.1 of British Standard 5837: 2012 and is indicative of the rooting area required for a tree to be successfully retained. Tree roots extend beyond the calculated RPA in many cases and where possible a greater distance should be protected. • Where veteran trees have been identified the RPA has been calculated in accordance with Natural England guidance i.e. 15x the stem diameter, uncapped.
Fair - Structural defects that can be remediated	Fair - Symptoms of ill-health that can be remediated	
Poor - Significant defects beyond remediation, present a risk of failure in the foreseeable future	Poor - Significant ill-health. Unlikely the tree will recover in the long term	
Dead - Dead tree with structural integrity of tree severely compromised	Advanced Decline / Dead - Advanced state of decline and unlikely to recover or Dead	

Appendix Summary

	Individual Trees	Totals	Tree Groups and Hedgerows	Totals
Category U	T98*	1		0
Category A		0		0
Category B	T43*, T44*, T46*, T47*, T48*, T49*, T50, T51*, T52*, T57, T58, T59*, T60*, T61*, T62*, T63*, T66*, T68, T70*, T71, T73	21	G14	1
Category C	T45*, T54, T64*, T65*, T67*, T69*, T72*, T74*, T96, T97*	10	G9, G10, G11, G12, G13, G15, G16	7
	Total	32	Total	8

BS Category Tree Type Distribution displays the proportion of trees assessed in each type to enable a better understanding of the category distribution.



Tree No	Species	Height	Stem Dia.	Crown Radius	Age Class	Overall Condition	Structural Condition	RPA	RPA Radius	BS5837 Cat
INDIVIDUAL TREES										
T43*	Common Lime <i>Tilia x europaea</i>	12	600	4	M	G	Situated within grass verge multi stemmed from 1.5m past pruning with branch stubs underground services within 2m of base TPO G8	163	7.2	B (i)
T44*	Sycamore <i>Acer pseudoplatanus</i>	12	440	3	M	G	Situated within grass verge girdling root at base light column within 3m of base past pruning to provide clearance to light TPO G8	88	5.3	B (i)
T45*	Sycamore <i>Acer pseudoplatanus</i>	8	260	3	EM	G	Situated within grass verge past pruning to raise crown past strimmer damage to main stem TPO G8	31	3.1	C (i)
T46*	Sycamore <i>Acer pseudoplatanus</i>	12	520	4	M	G	Situated within grass verge between areas of hardstanding past pruning to raise crown with branch stubs small diameter dead branches TPO G8	122	6.2	B (i)
T47*	Horse Chestnut <i>Aesculus hippocastanum</i>	12	450	4	M	F	Situated within grass verge between areas of hardstanding past pruning to raise crown exposed roots at base with mower damage possible bleeding canker noted on main stem TPO G8	92	5.4	B (i)
T48*	Sycamore <i>Acer pseudoplatanus</i>	12	350	3	EM	G	Situated within grass verge between areas of hardstanding past pruning to raise crown with branch stubs bark wounds at base likely strimmer damage TPO G8	55	4.2	B (i)
T49*	Sycamore <i>Acer pseudoplatanus</i>	12	600	4.5	M	G	Situated within grass verge light column within 3m of base past pruning to provide clearance to light TPO T6	163	7.2	B (i)
T50	Common Lime <i>Tilia x europaea</i>	12	450	5	M	G	Situated within grass verge past pruning to raise crown with branch stubs hardstanding within 3m of base bark wound on main stem at base likely mower damage	92	5.4	B (i)
T51*	Sycamore <i>Acer pseudoplatanus</i>	11	460	4	M	G	Situated within grass verge exposed roots at base with mower damage small diameter dead branches noted in crown TPO G7	96	5.5	B (i)

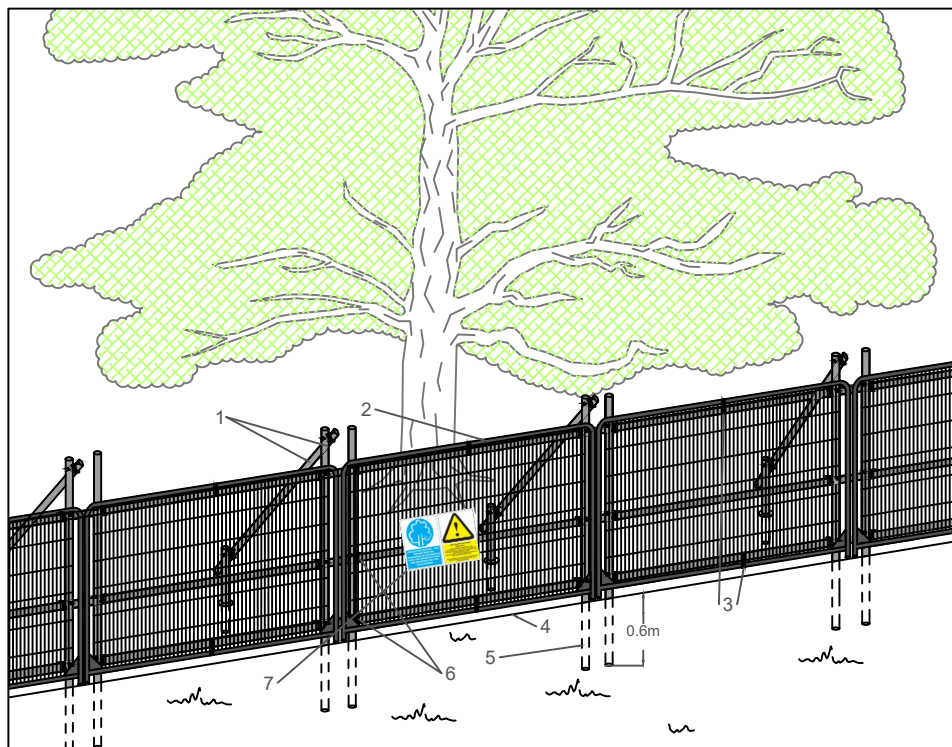
Tree No	Species	Height	Stem Dia.	Crown Radius	Age Class	Overall Condition	Structural Condition	RPA	RPA Radius	BS5837 Cat
T52*	Sycamore Acer pseudoplatanus	11	420	5	M	G	Situated within grass verge exposed roots at base with mower damage small diameter dead branches noted in crown past pruning to raise crown with branch stubs noted TPO G7	80	5.0	B (i)
T54	Sycamore Acer pseudoplatanus	9	290	3	SM	F	Likely self seeded within grass strip between areas of hardstanding past pruning with branch socket cavity noted at 3m debris piled at base	38	3.5	C (i)
T57	Sycamore Acer pseudoplatanus	8	500	N - 4 S - 2 E - 4 W - 4	M	F	Situated on top of small embankment close to fence past pruning to South to reduce crown spread	113	6.0	B (i)
T58	Common Lime Tilia x europaea	16	est 600	6	M	G	Situated beyond fence unable to access large hung up dead branch noted within crown past storm damage with broken branches and tear wounds small diameter dead branches noted	163	7.2	B (i)
T59*	Norway Maple Acer platanoides	15	420	4	EM	F	Situated within grass verge No major defects were noted TPO G1	80	5.0	B (i)
T60*	Norway Maple Acer platanoides	15	330	4	EM	F	Situated within grass verge No major defects were noted TPO G1	49	4.0	B (i)
T61*	Norway Maple Acer platanoides	13	300	4	EM	F	Situated within grass verge No major defects were noted TPO G1	41	3.6	B (i)
T62*	Norway Maple Acer platanoides	12	280	3	EM	F	Situated within grass verge No major defects were noted TPO G1	35	3.4	B (i)
T63*	Whitebeam Sorbus aria	10	est 410	4	M	F / G	Situated within grass verge Crossing and rubbing branches Pruning wounds noted TPO G1	76	4.9	B (i)
T64*	Hybrid Black Poplar Populus x canadensis	18	550	5	M	P	Situated within grass verge Sparse / thinning crown with small deadwood throughout TPO G1	137	6.6	C (i)

Tree No	Species	Height	Stem Dia.	Crown Radius	Age Class	Overall Condition	Structural Condition	RPA	RPA Radius	BS5837 Cat
T65*	Hybrid Black Poplar Populus x canadensis	15	420	3	M	P	Situated within grass verge Sparse / thinning crown with small deadwood throughout TPO G1	80	5.0	C (i)
T66*	Norway Maple Acer platanoides	12	380	4	EM	F	Situated within grass verge No major defects were noted TPO G1	65	4.6	B (i)
T67*	Hybrid Black Poplar Populus x canadensis	15	420	3	M	P	Situated within grass verge Sparse / thinning crown with small deadwood throughout TPO G1	80	5.0	C (i)
T68	Elm Ulmus sp.	12	510	5	M	F	Situated within grass verge Pruning wounds noted with branch stubs TPO G1	118	6.1	B (i)
T69*	Ash Fraxinus excelsior	13	360	3	EM	F	Situated within grass verge Basal cavity observed Included bark union TPO G1	59	4.3	C (i)
T70*	Norway Maple Acer platanoides	12	440	4	EM	F	Situated within grass verge No major defects were noted TPO G1	88	5.3	B (i)
T71	Elm Ulmus sp.	12	350	5	EM	F	Situated within grass verge Pruning wounds noted with branch stubs TPO G1	55	4.2	B (i)
T72*	Ash Fraxinus excelsior	13	320	3	EM	F	Situated within grass verge Crossing and rubbing branches Included bark union TPO G1	46	3.8	C (i)
T73	Ash Fraxinus excelsior	11	est 240 210	2.5	SM	F	Situated within grass verge Crossing and rubbing branches Bark wound noted	46	3.8	B (i)
T74*	Ash Fraxinus excelsior	13	340	3	EM	F	Situated within grass verge Included bark union TPO G1	52	4.1	C (i)

Tree No	Species	Height	Stem Dia.	Crown Radius	Age Class	Overall Condition	Structural Condition	RPA	RPA Radius	BS5837 Cat
T96	Common Lime <i>Tilia x europaea</i>	10	180 170 160	3	EM	F	Situated within landscape group multi stemmed from base with touching stems past pruning to raise crown with branch stubs	39	3.5	C (i)
T97*	Hybrid Black Poplar <i>Populus x canadensis</i>	12	585	4	M	P	Situated within tree group die back of crown with large diameter dead branches limited future potential within falling distance of footpath TPO G1	155	7.0	C (i)
T98*	Hybrid Black Poplar <i>Populus x canadensis</i>	12	575	4	M	P	Situated within tree group extensive die back of crown with large diameter dead branches limited future potential within falling distance of footpath TPO G1	N/A	N/A	U

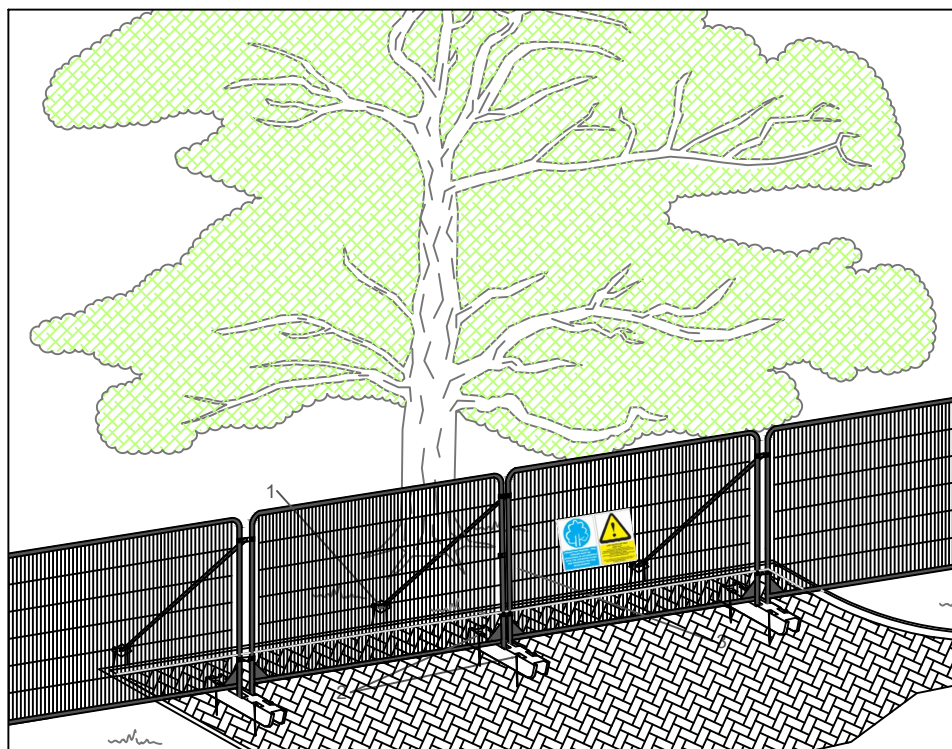
Group No	Species	Height	Stem Dia.	Crown Radius	Age Class	Overall Condition	Structural Condition	RPA	RPA Radius	BS5837 Cat
GROUPS OF TREES										
G9	Goat Willow Salix caprea Sycamore Acer pseudoplatanus	11	upto 8x 250	5	M	F	Linear group of trees along a small embankment hardstanding within 2m of base mature goat willow all multi stemmed from base self seeded sycamore has established within group reduced safe life expectancy multi tight and included bark unions	226	8.5	C (ii)
G10	Aspen Populus tremula	15	avg 400	4	M	F	Small tree group in corner of industrial site close spacing between trees has resulted in uneven crowns and leaning stems underground services and light column within group past pruning with large branch stubs	72	4.8	C (ii)
G11	Ash Fraxinus excelsior Goat Willow Salix caprea Sycamore Acer pseudoplatanus	8	upto 350	4	M	F	Likely self seeded group of trees adjacent to hardstanding Situating beyond boundary fence multi stemmed forms limited arboricultural value	55	4.2	C (ii)
G12	Crack Willow Salix fragilis Goat Willow Salix caprea Hawthorn Crataegus monogyna Silver Birch Betula pendula Sycamore Acer pseudoplatanus Wild Cherry Prunus avium	7	avg 150	2	SM / EM	P / F	Sporadic trees along disused strip of land likely self seeded limited screening value occasional coppiced stools	10	1.8	C (ii)
G13	Goat Willow Salix caprea	9	avg 6x 150	3	EM	F	Linear group of trees along small embankment multi stemmed from base likely coppiced screening value close spacing with interlocking crowns	61	4.4	C (ii)

Group No	Species	Height	Stem Dia.	Crown Radius	Age Class	Overall Condition	Structural Condition	RPA	RPA Radius	BS5837 Cat
G14	Ash Fraxinus excelsior Aspen Populus tremula Goat Willow Salix caprea Sycamore Acer pseudoplatanus	15	avg 300	3	EM	G	Likely planted group of trees within grassed verge Moderate screening value	41	3.6	B (ii)
G15	Goat Willow Salix caprea Sycamore Acer pseudoplatanus	5	avg 6x 150	3	EM	P	Self seeded trees along fence line within disused strip of land occluded fence within stems limited arboricultural value	61	4.4	C (ii)
G16	Hawthorn Crataegus monogyna Laural Prunus Laurocerasus	7	upto 100 100	2	EM	F	Outgrown landscape group lower crowns maintained dead trees noted	9	1.7	C (ii)



Specification for High Intensity Protection Barrier

1. Standard scaffold poles
2. Heavy gauge 2m tall galvanized tube and welded mesh infill panels
3. Panels secured to scaffold frame with wire ties
4. Ground level
5. Uprights driven into the ground until secure (min depth of 0.6m)
6. Standard scaffold clamps
7. Construction Exclusion Zone signs



Specification for Low Intensity Protection Barrier

1. Stabiliser strut with base plate secured with ground pins
2. Feet blocks secured with ground pins
3. Construction Exclusion Zone signs

APPENDIX B PROTECTIVE FENCING SPECIFICATIONS

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