



AGR Solar 4 Limited

Priory Farm Solar Array Grid Connection

Arboricultural Method Statement

February 2026

FPCR Environment and Design Ltd

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PLANS

Tree Protection Plan (12256-T-11 – 12256-T-15)

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1.0 INTRODUCTION

- 1.1 This Arboricultural Method Statement (AMS) has been prepared by FPCR Environment and Design Limited on behalf of AGR Solar 4 Limited to provide the methods of protection for retained trees at Priory Farm Solar Array Grid Connection (hereafter referred to as 'the site').
- 1.2 This AMS details the methodology by which the construction operation will be carried out, whilst safeguarding trees in a satisfactory condition during the proposed works. This AMS sets out a definitive account for the treatment of retained trees during the construction operation.

Planning Consent

- 1.3 A planning application (Application Ref 21/03380/FP) for a solar array with associated battery storage containers and ancillary development was called-in by a Secretary of State for determination. Following a call-in inquiry (Ref APP/X1925/V/23/3323321) planning was granted on 11th March 2024.
- 1.4 A subsequent planning application for the electrical connection between the approved Priory Farm Solar Array and Wymondley Substation, Blakemore End Road, St Ippolyts (Ref 24/02333/FP) was granted permission by North Hertfordshire District Council on 8th July 2025.
- 1.5 This AMS has been provided to discharge Condition 8 of the planning consent granted (Ref 24/02333/FP), as detailed below.

Condition 8

No development shall take place until an Arboricultural method statement identifying measures to protect trees and hedgerows to be retained, has been submitted to, and approved in writing by, the local planning authority. The statement shall include a tree and hedgerow protection plan and measures to protect trees and hedgerows during site preparation, construction, and landscaping operations.

- 1.6 The planning application for the electrical connection between the approved Priory Farm Solar Array and Wymondley Substation, (Ref 24/02333/FP), was submitted with an Arboricultural Assessment produced by FPCR Environment and Design (Arboricultural Assessment (Rev A) dated July 2024). This AMS should be read in conjunction with the submitted Arboricultural Assessment.

Considerations and Limitations

- 1.7 This AMS is concerned solely with arboricultural issues related to the electrical connection only.
- 1.8 In advance of any operations not detailed in this AMS 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 ARBORICULTURAL METHOD STATEMENT

- 2.1 This AMS sets out the methodology for all proposed works that affect 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 (ACoW)

- 2.2 The appointment of an ACoW prior to starting any construction works, implementing tree surgery and erection of tree protection fencing, shall be a requirement of this AMS.
- 2.3 The Site Manager / Project Manager will be responsible for appointing an ACoW 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

- 2.4 The following table sets out the proposed timeline for Tree Protection measures along with Key Appointment, Supervision and Monitoring Stages of the ACoW.

Table 1: Timeline of Tree Protection

Timetable	Actions	ACoW requirements
Pre-commencement site meeting	Pre-commencement site meeting prior to the start of works on site.	Site meeting / Tool box talk by ACoW (refer to Section 3)
Prior to construction operations	Design and establishment of tree protection fencing confirmed as detailed on Tree Protection Plan (Drawing no. 12256-T-11 to 12256-T-14)	Fencing positions to be agreed to ensure that all fencing is installed correctly (refer to Section 4)
Commence Works		
During the installation of underground cable Dates TBC during Pre-commencement site meeting and in line with construction program)	Supervision of excavation within the RPA of retained trees.	Supervision of positioning of Temporary Ground Protection where necessary, and excavation and installation of cables within RPA of retained trees (refer to Sections 4 and 5)

Works Complete		
Following completion of all construction operations	Removal of Tree Protection	ACoW to check if all Temporary Ground Protection and Tree Protective Fencing has been removed and in doing so no damage has occurred to retained trees.

Key Appointment, Supervision and Monitoring Stages of the ACoW

2.5 The following stages of ACoW supervision shall be required:

- Pre-commencement site meeting and Tool box talk to be carried out.
- Walking the site with the Site Manager / Fencing Contractor to measure out the locations of the fencing (**pre-commencement meeting**)
- Following the completion of construction works and in agreement with the ACoW, the Tree Protection Fencing will be removed.

3.0 INITIAL SITE MEETING / TOOL BOX

- 3.1 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 ACoW will discuss the methodology and various tree protection measures to be implemented subject to approval by the LPA.
- 3.2 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. The Site Manager shall be responsible for daily compliance with this AMS in absentia of the ACoW.
- 3.3 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.
 - The construction techniques for protective fencing for mobile works.
 - Confirming RPA measurements are checked.
 - Confirming when and how ground protection is to be removed and repositioned during mobile works.
 - Discussion on particular methods of working near the trees as outlined in this AMS.
- 3.4 Evidence of the toolbox being carried out shall be collected. This evidence can be viewed at any time by the ACoW and shared with both the client and the LPA upon request.
- 3.5 The ACoW will also periodically verify compliance with this AMS and sign-off elements of the work as various stages of the development commence. This shall be recorded using an online form which the ACoW can share with the client and LPA.
- 3.6 Any other arboricultural matters arising which are unforeseen will need to be discussed with the ACoW during these visits to decide the most appropriate course of action. After each site visit a short report/record will be compiled which will be sent to the client and local authority upon request as a record of evidence.

4.0 TREE PROTECTION

- 4.1 Tree Protection Fencing will be installed as detailed in the Tree Protection Plans (12256-T-11 to 12256-T-14). Fencing should be installed using the dimensions indicated on the plan at, where possible, the extent of the RPAs of retained trees.
- 4.2 The positioning of the Tree Protective Fencing shall be measured out with assistance from the ACoW 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.
- 4.3 The fencing will be strong and suitable for the location, duration, type and proximity of construction activity and prevent access of machinery, plant or operative beyond the area required for construction operations. Where mobile works are required, fencing may be installed and adjusted as necessary to maintain workflow.
- 4.4 Tree protection fencing, identified on the Tree Protection Plans (12256-T-11 to 12256-T-14), as a solid magenta line will comprise Heras Fence Panels supported by rubberised stabiliser blocks with a base plate which is secured to the ground using ground pins, as shown in Figure 1 below and Appendix B.

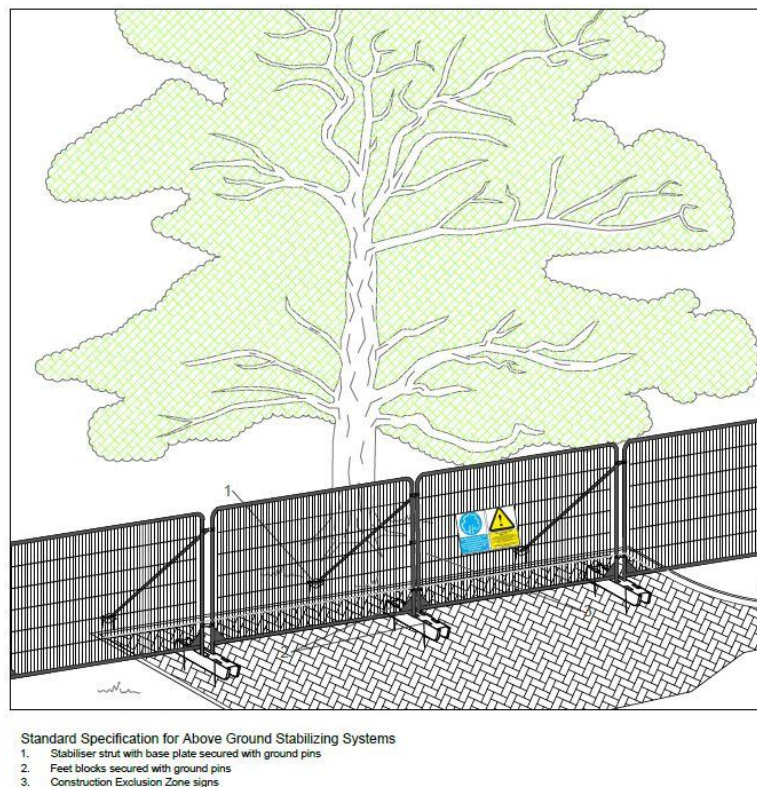


Figure 1 – Specification for Alternative Tree Protection Fencing

- 4.5 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.
- 4.6 All Tree Protective Fencing will remain rigid and in place for the duration of works and should be inspected at weekly intervals by the Site Manager.

Temporary Ground Protection

- 4.7 To enable excavation works within RPAs, temporary access for site operatives and machinery will be required.
- 4.8 A Temporary Ground Protection system shall be installed to protect the rhizosphere of retained trees and minimise soil compaction, which could otherwise adversely affect tree health.
- 4.9 The system will comprise connected Ground Guards® panels (or similar) with sufficient load-bearing capacity for the plant and machinery required for mobile trenching works. Due to the mobile nature of operations, the addition of a mulch layer beneath the Ground Protection is considered impractical. Accordingly, the lightest suitable tracked plant and machinery shall be used. The specification for Temporary Ground Protection is provided in Appendix D.
- 4.10 The Ground Protection system is to be laid directly onto the existing ground surface prior to any works within RPAs. Given the mobile nature of the works, the location of the Ground Protection must be measured out before operations commence, with assistance from the Site Manager and, where necessary, the ACoW, to ensure correct installation.
- 4.11 For clarity, the position of the Temporary Ground Protection has not been shown on the Tree Protection Plans due to its mobile nature. It is expected that Ground Protection will be correctly installed whenever works encroach within RPAs and prior to machinery being positioned.
- 4.12 Tree Protection Fencing may be installed and adjusted as necessary to maintain operational workflow.

5.0 INSTALLATION OF UNDERGROUND CABLE

- 5.1 The installation of the underground cable within the developable area will be undertaken within the RPA of four individual trees, four groups as well as crossing through one hedgerow. As recommended by the guidance given in section 7.7 of BS5837 and NJUG Volume 4, precautions should be taken to minimise damage to the root systems of these retained trees.
- 5.2 Table 2 below details which arboricultural features require supervision of excavation for the installation of the cable route.

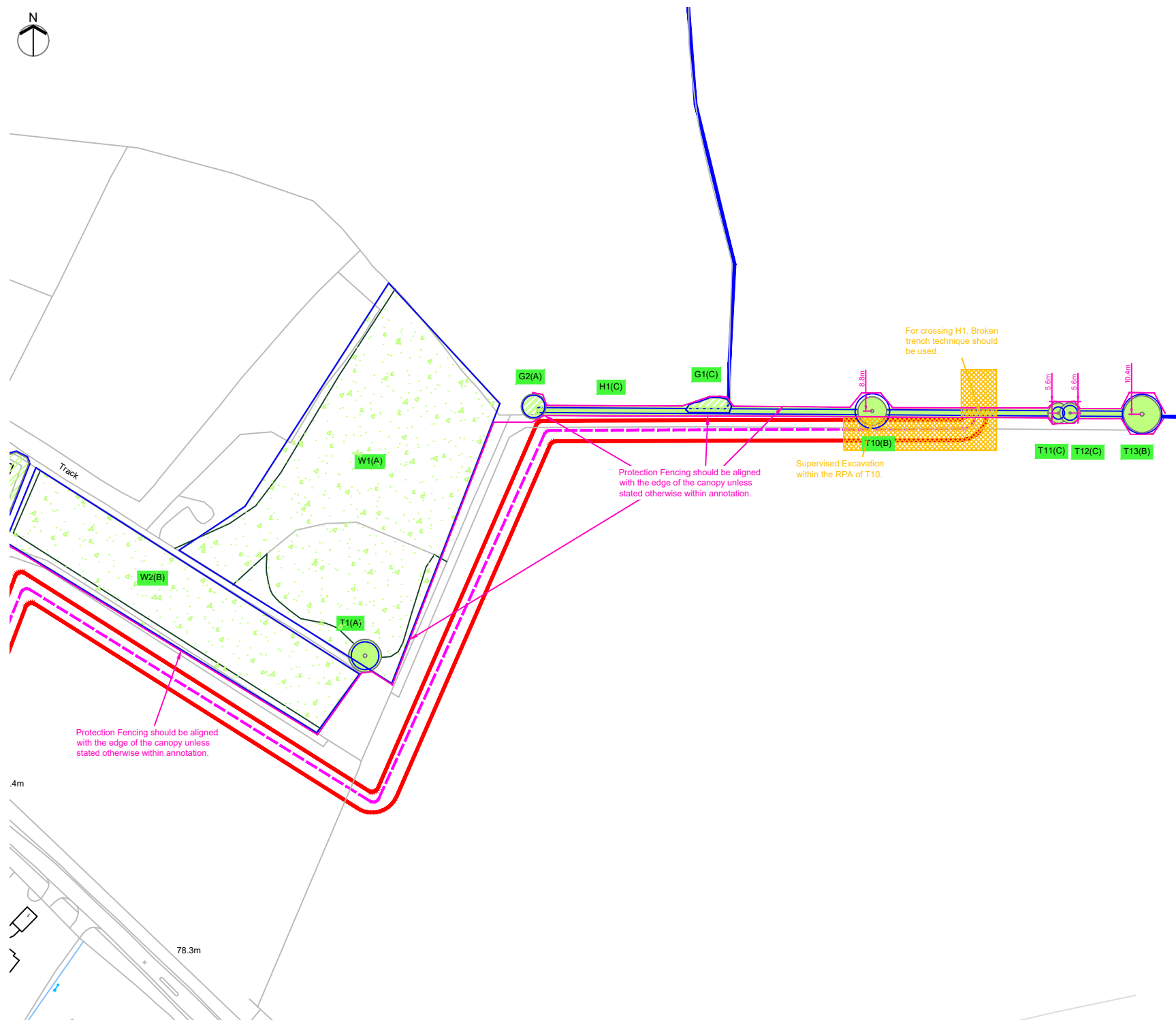
Table 2: Tree stock requiring supervised excavation.

	Tree No. taken from FPCR
Individual Trees	T4, T5, T9, T10
Groups	G10, G15, G16, W3
Hedgerows	H1

- 5.3 It will be necessary that a combination of trenchless and broken trench techniques be used. The use of trenchless and broken trench techniques for the installation of the cable minimises excavation within the RPA of retained trees and should allow for the services to be installed with minimal impacts.
- 5.4 Temporary Ground Protection is to be positioned within RPAs during mobile works where it is feasible to do so, as described in Section 4 and shown at Appendix D.
- 5.5 Where the proposed route is required to cross H1, starting from 1m either side of the hedgerow a trench should be dug using hand tools to minimise the impact to the roots of the hedgerow tree stock. These two trenches should then be connected beneath the hedgerow again using hand tools only and the cable fed between them.
- 5.6 While the cable route is shown to pass through the RPA of tree cover along Stevenage Road it is not expected that significant rooting material will be exposed or impacted by this work, with the compacted nature of soils beneath roads not being conducive to root growth and survival. The works within the developable area can be carried out using the smallest practical sized excavator, where minimal rooting material is likely to be present.
- 5.7 Rooting material is expected to be encountered while laying the cable through G15 and within the RPA of T9. It is proposed that appropriate supervised excavation or hand dug trench techniques be used within this area to minimise impacts to trees.
- 5.8 Tree roots should be worked around where feasible but where small diameter roots (<25mm diameter) are encountered that cannot be worked around these roots will be pruned back to the face of the excavation.
- 5.9 Large diameter roots (>25mm diameter) should not be pruned and should any large diameter roots be encountered that cannot be worked around, the Site Manager is to engage in discussions with the LPA prior to any pruning works being undertaken.
- 5.10 Horizontal Directional Drilling will be used to bypass W3 and as a result minimise any impacts to trees within W3. The launch and reception pits should be located outside of the calculated RPA of W3 and can be dug using a mechanical excavator under supervision.

6.0 GENERAL TREE PROTECTION MEASURES

- 6.1 This section details non-specific precautionary measures to be applied at all times.
 - 6.2 No trees will be removed or pruned during construction other than those detailed within this AMS. Any proposed deviation from the tree removal and retention presented in this document must be discussed with the project Arboricultural Consultant prior to implementation.
 - 6.3 No RPAs will be affected by excavation works, storage of materials, plant or machine access, other than as described by this AMS.
 - 6.4 No materials or soils are to be stored within the RPA of the retained trees.
 - 6.5 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.
 - 6.6 Wide or tall loads should not come into contact with retained trees. A Banksman should supervise transit of vehicles where they are in proximity to retained trees.
 - 6.7 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.
- Notice boards, telephone cables or other services will not be attached to any part of a retained tree.



- KEY**
- Tree/Group to be Retained
 - Woodland to be Retained
 - Hedgerow Proposed to be Retained and Incorporated into the New Development
 - Root Protection Area (The RPA has been altered where appropriate to reflect underground constraints)
 - Individual / Group Number and BS5837:2012 Category (plotted using OS mapping and aerial imagery)
 - Area of Supervised Excavation
 - Line of Primary Protective Barriers (and distance from tree or retained structure)

Scale 1:2500 @ A4



NOTES

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

Drawing has been produced in colour and is based on digital information in .dwg format, aerial images and/or GPS location where appropriate. A monochrome copy should not be relied upon. The exact position of individual trees or species included as part of a tree group, woodland or hedgerow should be checked and verified on site prior to any decisions for foundation design, tree operations or construction activity being undertaken. Further survey work would be required for calculating foundation depths.

Trees are living organisms that change over time, the condition of all trees illustrated herein, are to be checked by the project Arboriculturalist should works commence 12 months after the date of this survey.

SOME TREES MAY BE SUBJECT TO STATUTORY CONSTRAINTS. IT IS THEREFORE ADVISED THAT NO WORKS SHOULD BE UNDERTAKEN TO ANY TREES ILLUSTRATED HEREIN WITHOUT FIRST OBTAINING THE RELEVANT AUTHORISATION TO DO SO UNLESS AGREED AS PER THE APPROVED PLANS THROUGH PLANNING CONSENT.

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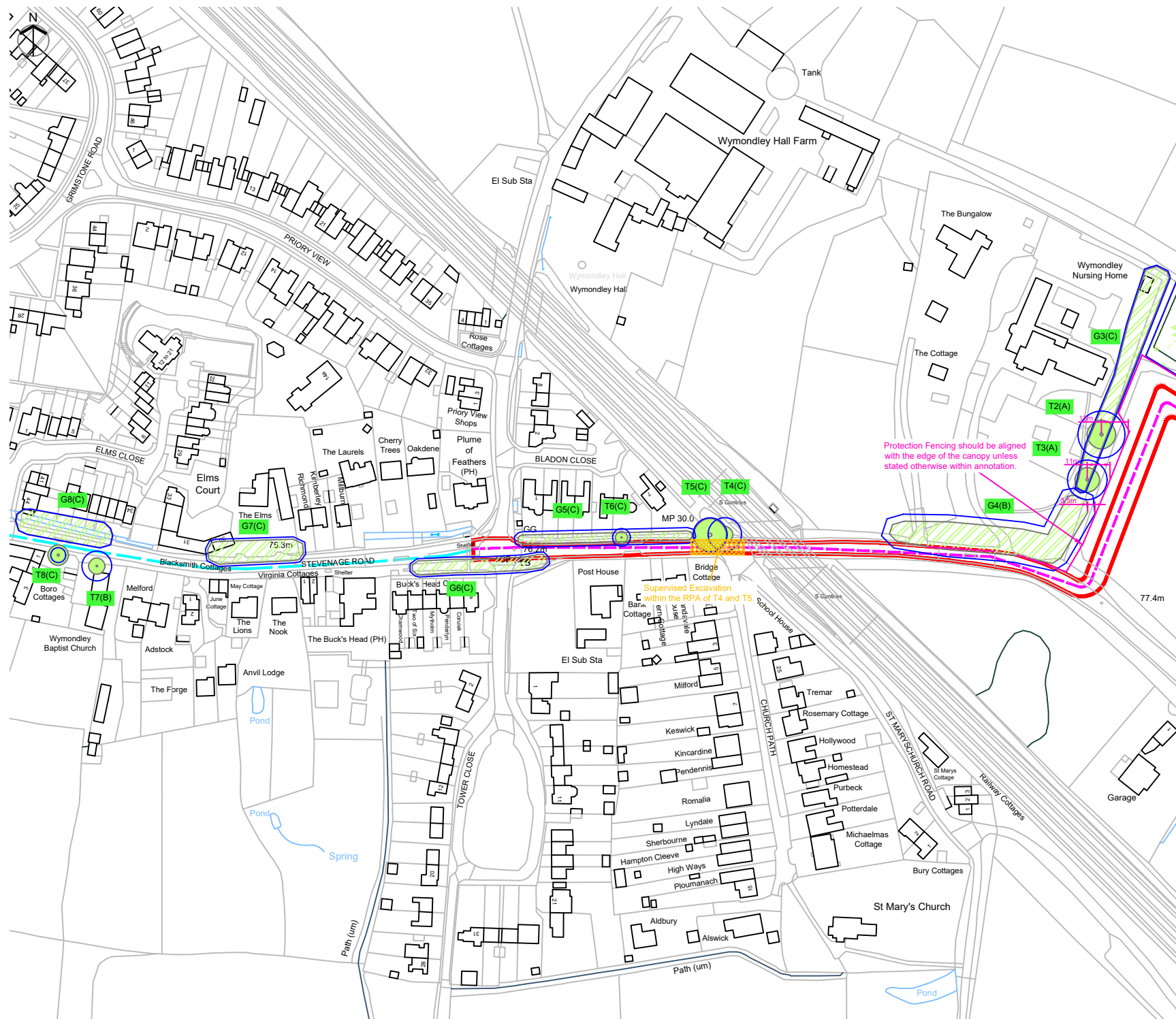
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KEY



Tree/Group to be Retained



Root Protection Area (The RPA has been altered where appropriate to reflect underground constraints)



Individual / Group Number and BS5837:2012 Category
(plotted using OS mapping and aerial imagery)



Area of Supervised Excavation



Line of Primary Protective Barriers
(and distance from tree or retained structure)

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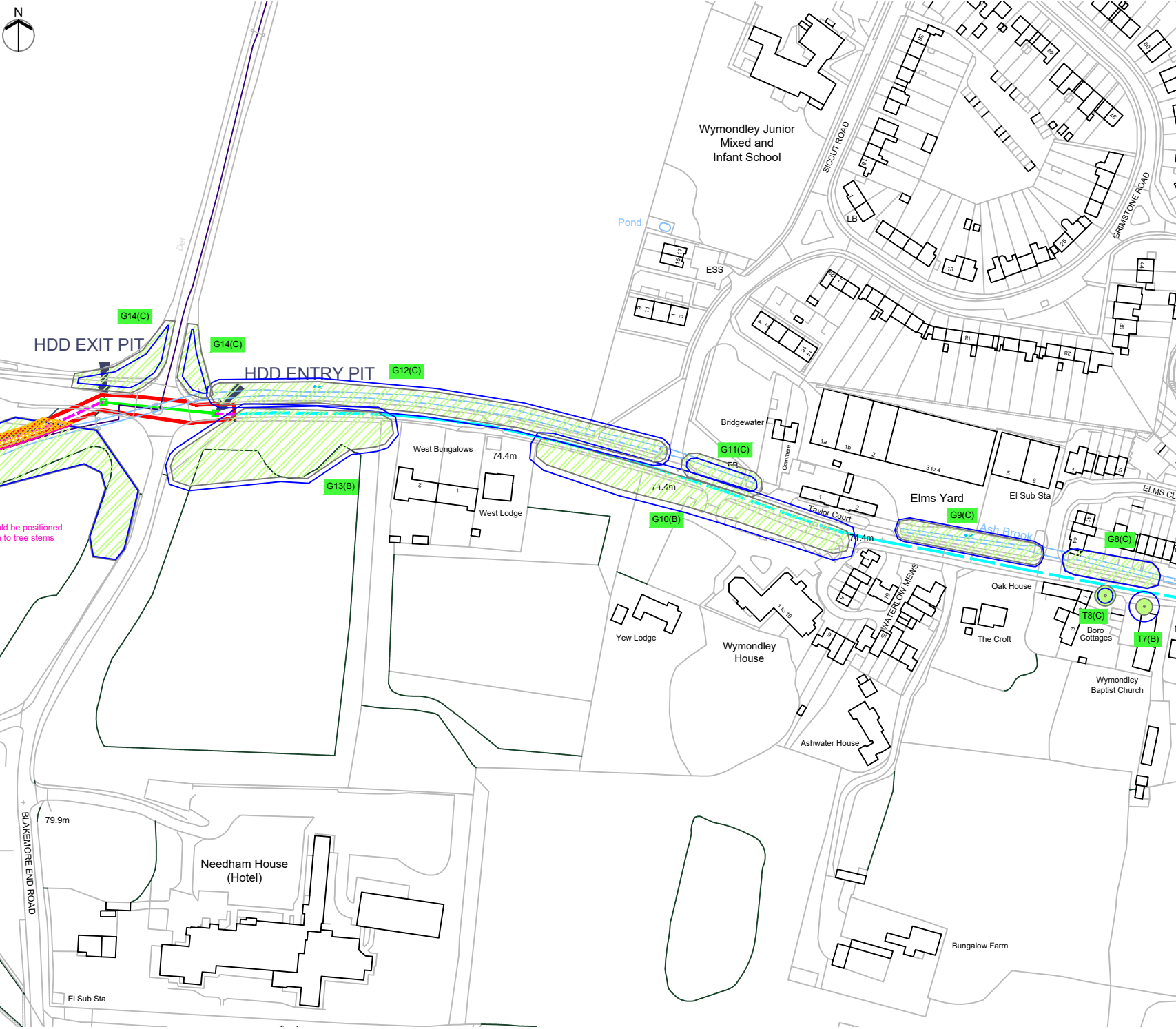
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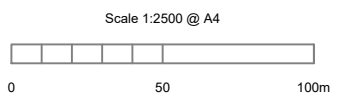
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- KEY**
- Tree/Group to be Retained
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 - Individual / Group Number and BS5837:2012 Category (plotted using OS mapping and aerial imagery)
 - Area of Supervised Excavation
 - Line of Primary Protective Barriers (and distance from tree or retained structure)



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HDD ENTRY PIT

HDD EXIT PIT

WYMONDLEY BYPASS

G15(B)

T9(A)

G16(C)

Supervised Excavation
within the RPA of T9 & G15.

Protection Fencing should be positioned
such to afford protection to tree stems
along the stream bank.

0.91m RH

Oil Depot
Mast
(Telecommunication)
Tanks

79.9m

BLAKEMORE END ROAD

El Sub Sta

Track

Stables

0.91m RH



Tree/Group to be Retained



Woodland to be Retained



Root Protection Area (The RPA has been altered
where appropriate to reflect underground constraints)



Individual / Group Number and BS5837:2012 Category
(plotted using OS mapping and aerial imagery)



Area of Supervised Excavation



Line of Primary Protective Barriers
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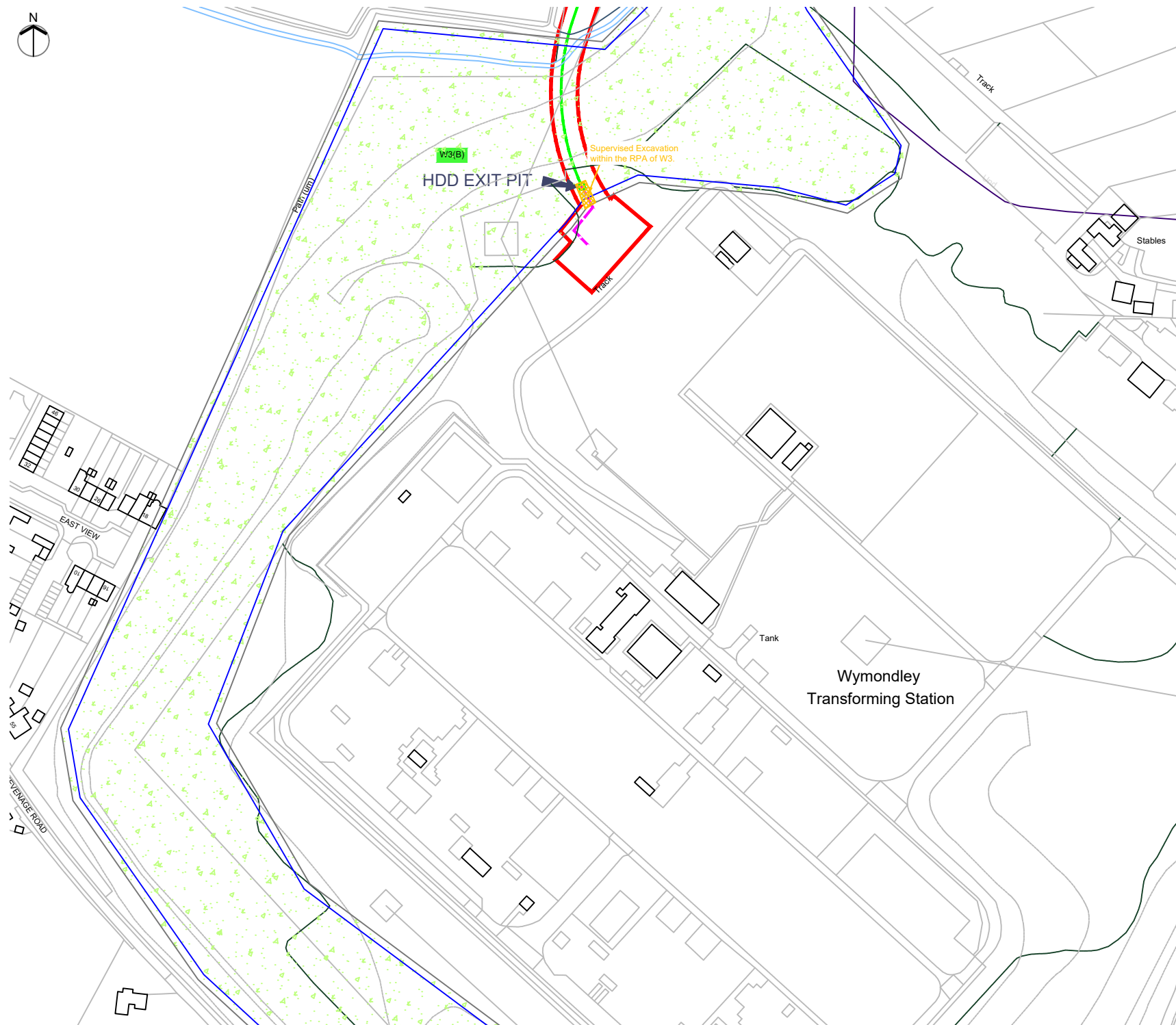
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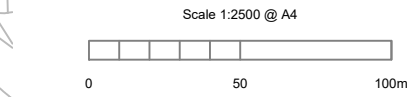
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Appendix A - Tree Schedule

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	

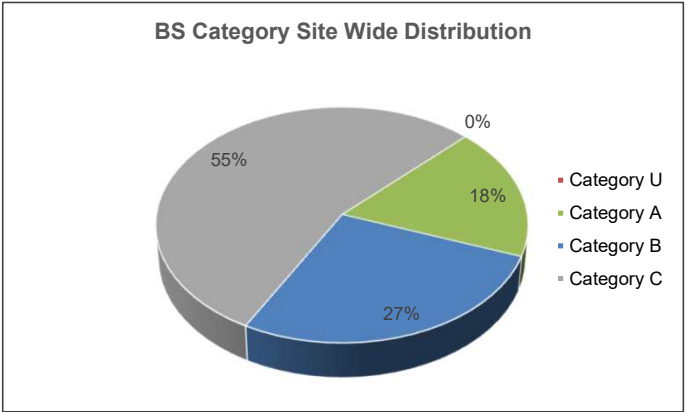
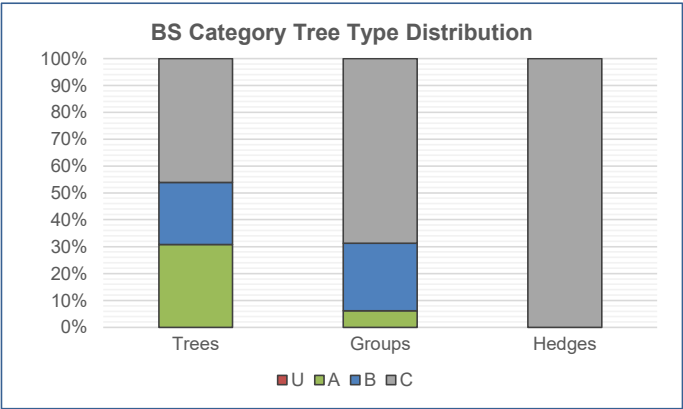
Structural Condition	Physiological Condition	Root Protection Area (RPA)
Good - No significant structural defects	Good - No significant health problems	- The RPA Radius column provides the extent of an equivalent circle from the centre of the stem (m). - The RPA is calculated using the formulae described 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		0		0
Category A	T1, T2, T3, T9	4	G2, W1	2
Category B	T7, T10, T13	3	G4, G10, G13, G15, W2, W3	6
Category C	T4, T5, T6, T8, T11, T12	6	G1, G3, G5, G6, G7, G8, G9, G11, G12, G14, G16, H1	12
	Total	13	Total	20

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

BS Category Site Wide Distribution shows the proportion of trees assessed in each category across the whole site which allows an interpretation of the site's overall quality.



Tree No	Species	Height	Stem Dia.	Crown Radius	Age Class	Overall Condition	Structural Condition	RPA	RPA Radius	BS5837 Cat
INDIVIDUAL TREES										
T1	English Oak Quercus robur	12	560	8	M	G	Characteristic for species Compacted ground at the base Minor dead wood evident in the crown (<75mm) Situated offsite Typical crown form	142	6.7	A (ii)
T2	Horse Chestnut Aesculus hippocastanum	17	est 950	7	M	F	Bark wounds noted Characteristic for species Minor dead wood evident in the crown (<75mm) Potential Roost Features (PRF) Pruning wounds noted Situated offsite Unable to gain access	408	11.4	A (iii)
T3	Hornbeam Carpinus betulus	15	est 800	6	M	F	Bark wounds noted Characteristic for species Flail damage evident Heartwood exposed Minor dead wood evident in the crown (<75mm) Multi leadered form Pollarded form(s) Pruning wounds noted Situated offsite Unable to gain access	290	9.6	A (iii)
T4	Horse Chestnut Aesculus hippocastanum	12	upto 350 350 350 300	4	EM	F	Characteristic for species Overhead cables Pruning wounds noted Twin stemmed from base	207	8.1	C (ii)

Tree No	Species	Height	Stem Dia.	Crown Radius	Age Class	Overall Condition	Structural Condition	RPA	RPA Radius	BS5837 Cat
T5	Ash Fraxinus excelsior	16	Over ivy 690	8	M	F	Base obscured Broken branches evident Characteristic for species Compacted ground at the base Major dead wood evident in the crown (>75mm) Potential Roost Features (PRF) Daldinia concentrica King Alfreds Cakes Inonotus hispidus Shaggy bracket	215	8.3	C (ii)
T6	Yew Taxus baccata	9	360	3	SM	F	Characteristic for species Compacted ground at the base	59	4.3	C (ii)
T7	Yew Taxus baccata	8	600	4	EM	F	Characteristic for species Compacted ground at the base Lapsed Pollard Multi leadered form Multi stemmed from base	163	7.2	B (ii)
T8	Norway Maple Acer platanoides	12	est 300	5	EM	F	Characteristic for species Compacted ground at the base Pruning wounds noted Situated offsite Unable to gain access	41	3.6	C (ii)
T9	Sycamore Acer pseudoplatanus	21	6x 500	10	M	G	Characteristic for species Included bark union Light ivy cover Minor dead wood evident in the crown (<75mm) Multi stemmed from base Pruning wounds noted	679	14.7	A (ii)
T10	English Oak Quercus robur	10	700	7	EM	G	Base obscured Characteristic for species	222	8.4	B (ii)

Tree No	Species	Height	Stem Dia.	Crown Radius	Age Class	Overall Condition	Structural Condition	RPA	RPA Radius	BS5837 Cat
T11	Ash Fraxinus excelsior	8	250	5	SM	F	Characteristic for species	28	3.0	C (i)
T12	English Oak Quercus robur	6	300	5	SM	F	Characteristic for species	41	3.6	C (ii)
T13	English Oak Quercus robur	20	800	9	M	G	Characteristic for species	290	9.6	B (ii)

Group No	Species	Height	Stem Dia.	Crown Radius	Age Class	Overall Condition	Structural Condition	RPA	RPA Radius	BS5837 Cat
GROUPS OF TREES										
G1	Hawthorn Crataegus monogyna English Elm Ulmus procera	5	est 100	2	Yng / SM	F	Characteristic for species Dense undergrowth at the base Potential Roost Features (PRF) Situated offsite Unable to gain access Small group associated with large section of deadwood habitat	5	1.2	C (ii)
G2	Field Maple Acer campestre	11	est 450	6	OM	F	Basal cavity observed Branch stubs evident Characteristic for species Crossing and rubbing branches Interlocking crowns Minor dead wood evident in the crown (<75mm) Potential Roost Features (PRF) Pruning wounds noted Situated offsite 2 medium/large intertwined trees at field entrance/gateway	92	5.4	A (iii)
G3	Ash Fraxinus excelsior Elder Sambucus nigra Sycamore Acer pseudoplatanus Wych Elm Ulmus glabra Hazel Corylus avellana Sweet Chestnut Castanea sativa	13	est 300	3	SM / EM	F	Characteristic for species Minor dead wood evident in the crown (<75mm) Situated offsite Squirrel damage observed Unable to gain access A tangled linear group on west side of ditch, forming a boundary feature with the Nursing Home	41	3.6	C (ii)

Group No	Species	Height	Stem Dia.	Crown Radius	Age Class	Overall Condition	Structural Condition	RPA	RPA Radius	BS5837 Cat
G4	English Oak Quercus robur Horse Chestnut Aesculus hippocastanum	22	Over ivy 780	6	SM / EM / M / OM	F	Branch socket cavities observed Branch stubs evident Characteristic for species Compacted ground at the base Dense ivy cover on main stem Established ivy cover Potential Roost Features (PRF) Pruning wounds noted Single stem forms Situating offsite Roadside trees and planting in Nursing Home. This group forms a linear group of large mature roadside trees. A group of formally planted conifers occupies the landscaped area of the Nursing Home	275	9.4	B (ii)
G5	Field Maple Acer campestre Hawthorn Crataegus monogyna English Elm Ulmus procera Hazel Corylus avellana Holly Ilex aquifolium Hornbeam Carpinus betulus Laural Prunus Laurocerasus Yew Taxus baccata	8	upto 300	2	SM	F	Base obscured Characteristic for species Compacted ground at the base Dense ivy cover on main stem Interlocking crowns Multi stemmed from base A line of tree cover forming a linear roadside feature	41	3.6	C (ii)
G6	Swedish Whitebeam Sorbus intermedia Chanticleer Pear Pyrus calleryana Chanticleer Pyrus sp.	11	upto 340	3	Yng / SM	F	Bark wounds noted Basal suckers present Broken branches evident Compacted ground at the base A line of trees occupying open space/roadside verge	52	4.1	C (ii)

Group No	Species	Height	Stem Dia.	Crown Radius	Age Class	Overall Condition	Structural Condition	RPA	RPA Radius	BS5837 Cat
G7	Beech Fagus sylvatica Sycamore Acer pseudoplatanus English Elm Ulmus procera Laural Prunus Laurocerasus Small leaved Lime Tilia cordata Yew Taxus baccata	15	est 500	5	Yng / M	F	Base obscured Broken branches evident Compacted ground at the base Crown had been topped Light ivy cover Minor dead wood evident in the crown (<75mm) Overhead cables Pruning wounds noted Situating offsite Unable to gain access A group of trees in a roughly linear feature of garden and roadside planting	113	6.0	C (ii)
G8	Common Lime Tilia x europaea Sycamore Acer pseudoplatanus Hawthorn Crataegus monogyna Prunus insititia English Elm Ulmus procera	16	upto 500	6	SM / EM / M	P	Basal suckers present Base obscured Branch socket cavities observed Branch stubs evident Broken branches evident Compacted ground at the base Crossing and rubbing branches Dead trees noted Dense ivy cover on main stem Dense undergrowth at the base Failed trees Interlocking crowns Light ivy cover Minor dead wood evident in the crown (<75mm) Overhead cables Pruning wounds noted A line of trees, Limes being the tallest, forming a linear roadside feature	113	6.0	C (ii)

Group No	Species	Height	Stem Dia.	Crown Radius	Age Class	Overall Condition	Structural Condition	RPA	RPA Radius	BS5837 Cat
G9	Common Lime Tilia x europaea Sycamore Acer pseudoplatanus	19	upto 480	5	Yng / M	F	Basal suckers present Branch stubs evident Broken branches evident Characteristic for species Compacted ground at the base Dense ivy cover on main stem Established ivy cover Major dead wood evident in the crown (>75mm) Minor dead wood evident in the crown (<75mm) Multi leadered form Multi stemmed from base Overhead cables Pruning wounds noted Typical crown form A line of tall roadside Limes, with one smaller Sycamore	104	5.8	C (ii)
G10	Ash Fraxinus excelsior Sycamore Acer pseudoplatanus English Elm Ulmus procera	18	upto 750	6	Yng / SM / EM / M / OM	F	Branch stubs evident Broken branches evident Characteristic for species Compacted ground at the base Light ivy cover Major dead wood evident in the crown (>75mm) Minor dead wood evident in the crown (<75mm) Potential Roost Features (PRF) Group of trees associated with Wymondley House	254	9.0	B (ii)
G11	Ash Fraxinus excelsior Sycamore Acer pseudoplatanus Prunus sp.	17	upto 300	6	EM	F	Base obscured Characteristic for species Compacted ground at the base Dense ivy cover on main stem	41	3.6	C (ii)

Group No	Species	Height	Stem Dia.	Crown Radius	Age Class	Overall Condition	Structural Condition	RPA	RPA Radius	BS5837 Cat
G12	Ash Fraxinus excelsior Hawthorn Crataegus monogyna Sycamore Acer pseudoplatanus English Elm Ulmus procera	11	upto 550	5	SM / EM	P / F	Base obscured Branch stubs evident Broken branches evident Compacted ground at the base Dense ivy cover on main stem Dense undergrowth at the base Dieback of the crown observed Interlocking crowns Major dead wood evident in the crown (>75mm) Minor dead wood evident in the crown (<75mm) A long linear roadside feature	137	6.6	C (ii)
G13	Elder Sambucus nigra Hawthorn Crataegus monogyna Sycamore Acer pseudoplatanus Wych Elm Ulmus glabra Scots Pine Pinus sylvestris	20	upto 850	8	EM / M / OM	F	Base obscured Characteristic for species Dense ivy cover on main stem Major dead wood evident in the crown (>75mm) Minor dead wood evident in the crown (<75mm) Ownership undetermined Situated offsite A group of large Sycamore, with smaller other species	327	10.2	B (ii)
G14	Ash Fraxinus excelsior English Oak Quercus robur Field Maple Acer campestre Hawthorn Crataegus monogyna Silver Birch Betula pendula Wild Cherry Prunus avium Hazel Corylus avellana Holly Ilex aquifolium	13	upto 300	6	Yng / SM / EM	P / F / G	Bark wounds noted Basal cavity observed Base obscured Branch stubs evident Broken branches evident Characteristic for species Compacted ground at the base Dead trees noted Established ivy cover Failed trees Interlocking crowns Major dead wood evident in the crown (>75mm) Minor dead wood evident in the crown (<75mm) Trees associated with the roundabout	41	3.6	C (ii)

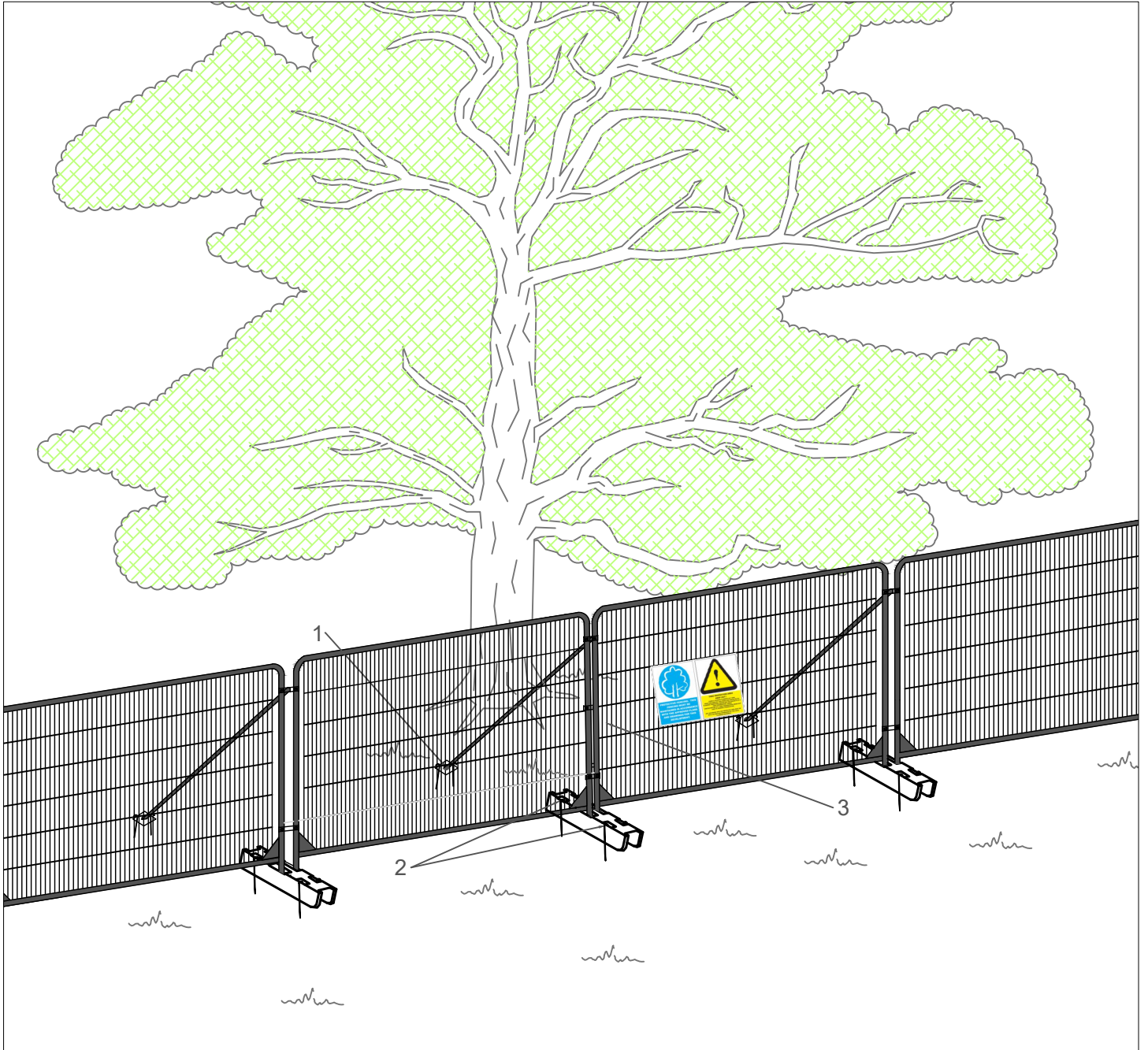
Group No	Species	Height	Stem Dia.	Crown Radius	Age Class	Overall Condition	Structural Condition	RPA	RPA Radius	BS5837 Cat
G15	Ash Fraxinus excelsior Sycamore Acer pseudoplatanus	20	upto 550	7	M / OM	F	Characteristic for species Close cultivation of the soil Established ivy cover Major dead wood evident in the crown (>75mm) Minor dead wood evident in the crown (<75mm) Potential Roost Features (PRF) Unable to gain access Underpass flooded. Circa 30 stems on north side of bank with denser woodland cover on south side	137	6.6	B (ii)
G16	Hawthorn Crataegus monogyna Sycamore Acer pseudoplatanus	5	est 400	4	SM	F	Characteristic for species Crown had been heavily reduced Minor dead wood evident in the crown (<75mm) Pollarded form(s) Many trees heavily reduced away from powerlines	72	4.8	C (ii)

Hedge No	Species	Height	Stem Dia.	Crown Radius	Age Class	Overall Condition	Structural Condition	RPA	RPA Radius	BS5837 Cat
HEDGEROWS										
H1	Elder Sambucus nigra Hawthorn Crataegus monogyna English Elm Ulmus procera Hazel Corylus avellana	5	est 100	2	SM / EM	F	Base obscured Branch stubs evident Broken branches evident Characteristic for species Dead trees noted Flail damage evident Light ivy cover Minor dead wood evident in the crown (<75mm) Outgrown hedgerow Rabbit burrows at base Situated offsite Unable to gain access Ophiostoma novo-ulmi Dutch elm disease	5	1.2	C (ii)

Wood No	Species	Height	Stem Dia.	Crown Radius	Age Class	Overall Condition	Structural Condition	RPA	RPA Radius	BS5837 Cat
WOODLANDS										
W1	Ash Fraxinus excelsior Beech Fagus sylvatica Elder Sambucus nigra English Oak Quercus robur Silver Birch Betula pendula Wild Cherry Prunus avium Sweet Chestnut Castanea sativa Walnut Juglans regia Common Larch Larix decidua Scots Pine Pinus sylvestris Wild Service Tree Sorbus torminalis Wayfaring Tree Viburnum lantana	18	est 700	5	Yng / SM / EM / M	F / G	Branch socket cavities observed Branch stubs evident Broken branches evident Characteristic for species Dead trees noted Major dead wood evident in the crown (>75mm) Minor dead wood evident in the crown (<75mm) Potential Roost Features (PRF) Situated offsite Unable to gain access Woodpecker holes observed Mixed deciduous and coniferous plantation. Species observed from woodland edge	222	8.4	A (ii)

Wood No	Species	Height	Stem Dia.	Crown Radius	Age Class	Overall Condition	Structural Condition	RPA	RPA Radius	BS5837 Cat
W2	Ash Fraxinus excelsior Beech Fagus sylvatica Field Maple Acer campestre Goat Willow Salix caprea Hawthorn Crataegus monogyna Wild Cherry Prunus avium Wych Elm Ulmus glabra Hazel Corylus avellana Sessile Oak Quercus petraea Wayfaring Tree Viburnum lantana Walnut Juglans regia	11	est 250	4	SM / EM	G	Characteristic for species Flail damage evident Minor dead wood evident in the crown (<75mm) Pruning wounds noted Single stem forms Situated offsite Unable to gain access Mixed deciduous plantation. Species observed from woodland edge	28	3.0	B (ii)

Wood No	Species	Height	Stem Dia.	Crown Radius	Age Class	Overall Condition	Structural Condition	RPA	RPA Radius	BS5837 Cat
W3	Ash Fraxinus excelsior Crack Willow Salix fragilis Elder Sambucus nigra English Oak Quercus robur Field Maple Acer campestre Hawthorn Crataegus monogyna Hazel Corylus avellana Holly Ilex aquifolium Hornbeam Carpinus betulus London Plane Platanus x hispanica Sessile Oak Quercus petraea Japanese Larch Larix kaempferi Scots Pine Pinus sylvestris Dogwood Cornus sanguinea	20	est 300	6	Yng / SM / EM / M / OM	D / P / F	Barbed Wire attached to stem/s Basal suckers present Branch socket cavities observed Branch stubs evident Broken branches evident Characteristic for species Established ivy cover Interlocking crowns Major dead wood evident in the crown (>75mm) Minor dead wood evident in the crown (<75mm) Multi leadered form Multi stemmed from base Pollarded form(s) Potential Roost Features (PRF) Storm damage present Woodpecker holes observed Extensive planting scheme around substation. Footpath and bridleway network. Occasional large mature specimens located throughout. Survey extent limited to route of internal footpaths and bridleway	41	3.6	B (ii)



Specification for 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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**PROTECTIVE FENCING. THIS
FENCING MUST BE
MAINTAINED IN ACCORDANCE
WITH THE APPROVED PLANS
AND DRAWINGS FOR THIS
DEVELOPMENT.**



**TREE PROTECTION AREA
KEEP OUT !**

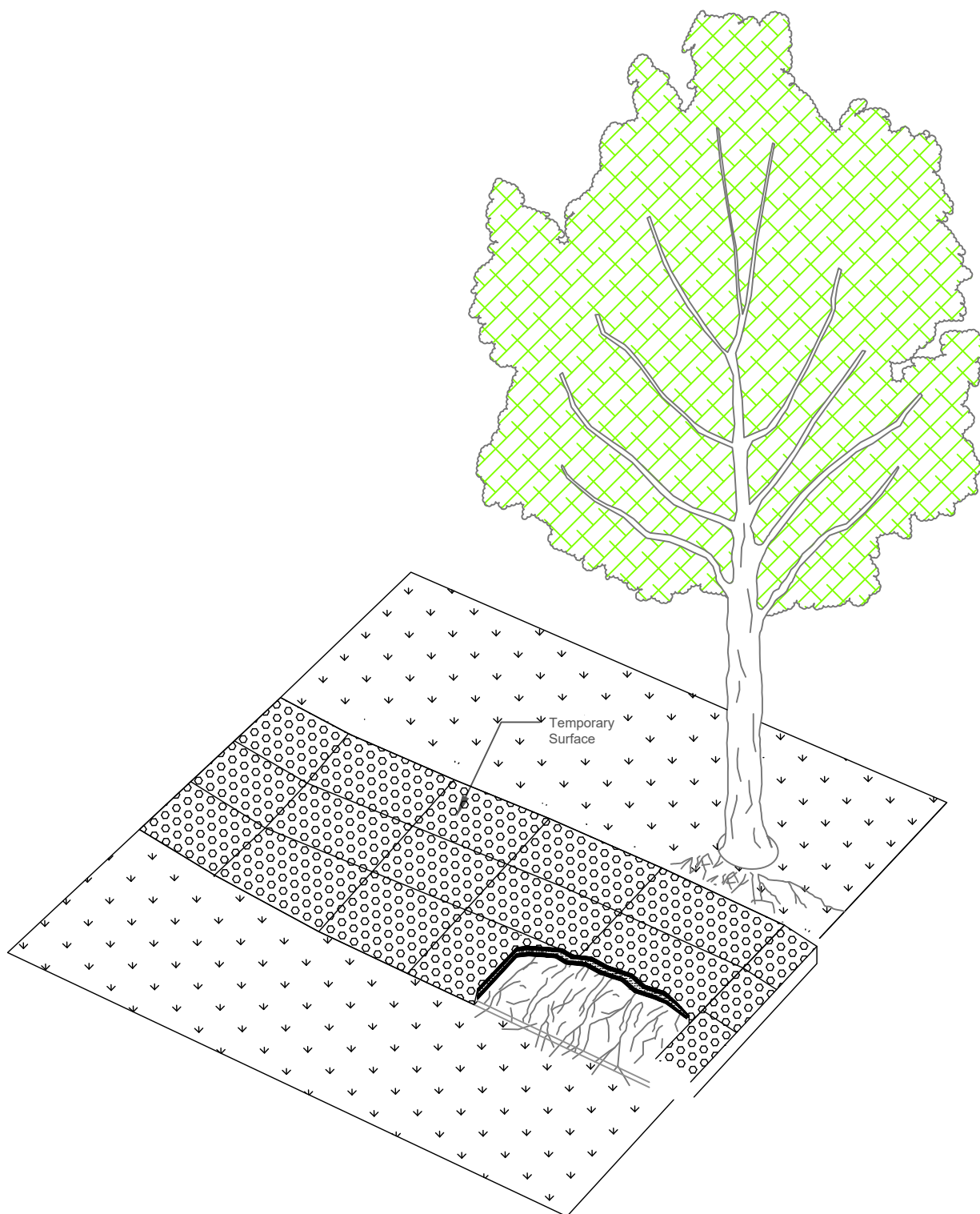
**(TOWN & COUNTRY PLANNING ACT 1990)
TREES ENCLOSED BY THIS FENCE ARE PROTECTED BY
PLANNING CONDITIONS AND/OR ARE THE SUBJECTS OF A
TREE PRESERVATION ORDER.
CONTRAVENTION OF A TREE PRESERVATION ORDER MAY
LEAD TO CRIMINAL PROSECUTION**

**ANY INCURSION INTO THE PROTECTED AREA MUST BE
WITH THE WRITTEN PERMISSION OF THE LOCAL
PLANNING AUTHORITY**

The following points are to be considered at all times:

1. Protective fencing has been installed at the extent of the calculated root protection area (RPA) - **DO NOT USE OR ACCESS** the ground within the fenced area. This is particularly the case for placement of site offices, stockpiles of soil or fuel and material storage, storing machinery or parking vehicles, debris or building materials or fires.
2. **AVOID** excavations, changes in ground levels or tracking machinery within the fenced area at ALL TIMES. These activities can seriously compromise the long term survival of trees due to the impact on a trees roots.
3. **REPORT** any instances where the fencing has been removed, repositioned, damaged or is not fit for purpose to the Site Manager. This shall help the Site Manager to ensure that the fencing is maintained throughout the construction process. It will also reduce the risk of any staff and contractors accidentally and inadvertently causing damage to trees as a result.

Retained trees are protected by planning law and reckless damage or non consented tree removal could result in the serving of a stop notice or enforcement by the LPA



NOTES

All dimensions to be verified on site. Do not scale this drawing.
All discrepancies to be clarified with project Arboriculturalist.

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drawing title

APPENDIX D TEMPORARY GROUND PROTECTION

CAD file: S:\Arb resources\Basic Templates\Tree Protection\No-Dig Temporary Ground Protection.dwg