IONITY Wrexham

Arboricultural Method Statement

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Quality information

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1. Background

AECOM has been commissioned to provide supporting information to discharge the following conditions attached to the full planning permission granted on 1st February 2024 for the construction of an electric vehicle (EV) charging site and associated infrastructure to create 8 no. parking spaces at the Ramada Plaza Hotel, Ellice Way, Wrexham, LL13 7YT (reference WRO P/2023/0278), granted by Wrexham County Borough Council on 1st February 2024:

Condition 5 and 6 state:

> *5. No part of the development shall commence until a detailed Arboricultural Method Statement has been submitted to and approved in writing by the Local Planning Authority. No development or other operations shall take place except in strict accordance with the Method Statement as is approved. The Method Statement shall include the following:*
>
> *a) A specification for tree protection fencing and ground protection measures that comply with British Standard 5837:2012;*
>
> *b) A Tree Protection Plan showing the location of the trees to be removed and retained with their crown spreads, Root Protection Areas, Construction Exclusion Zones, and location of protective fencing and ground protection measures accurately plotted;*
>
> *c) A full specification for any access, driveway, path, underground services or wall foundations within retained tree Root Protection Areas or Construction Exclusion Zone, including any related sections and method for avoiding damage to retained trees;*
>
> *d) Details of general arboricultural matters including proposed practices with regards to cement mixing, material storage and fires;*
>
> *e) Details of the frequency of supervisory visits and procedures for notifying the findings of such visits to the Local Planning Authority;*
>
> *f) Method for protecting retained trees during demolition works;*
>
> *g) Details of all proposed tree works, including felling and pruning.*
>
> *6. No part of the development shall commence until full details for the arboricultural supervision of tree protection measures and any ground works within retained tree(s) Root Protection Areas, as specified by BS5837:2012 or as shown on a Tree Protection Plan have been submitted to and approved in writing by the Local Planning Authority.*
>
> *The supervisory works shall be carried out in strict accordance with the details as approved.*

2. Arboricultural Method Statement

2.1. Overview

This Arboricultural Method Statement details the specification for tree protection measures and how sensitive operations are to be achieved in close proximity to trees to be retained. It also addresses the general management of Site activities to ensure that retained trees are not inadvertently damaged.

This document may need to be amended to reflect more detailed or updated information as it becomes available. The final agreed version must be read in conjunction with the Tree Protection Plan and copies of both documents must be permanently available on Site for reference throughout the development. All Site personnel must be made fully aware of its contents and the implications for work they may be involved in. All elements of the agreed Method

Statement must be adhered to in full, failure to do so could result in a failure to discharge planning conditions, damage to significant trees and enforcement action by Wrexham County Borough Council (WCBC). No changes may take place to the content or application of the Method Statement without the prior written approval of WCBC.

When planning permission is in place, some details (including changes in layout, services, materials, tree protection measures and the order of works) may be subject to change. No changes should be enacted without the prior written approval of WCBC. The Method Statement must be reviewed in advance of the commencement.

2.2. Pre-commencement Site Meeting

Prior to the commencement of works on Site a meeting must take place including the Site Manager, Arboriculturist and WCBC Tree Officer. This meeting will allow a further discussion of the programme of works, tree protection measures, the locations of the areas for storage/site organisation and the agreement of any changes to the Method Statement which will then be formally updated and approved as required.

2.3. Order of Operations

1 Pre commencement Site meeting;

2 Preliminary tree works;

3 Site briefing for Site personnel;

4 Installation of protective fencing;

5 Demolition and enabling works;

6 Installation of new hard surfaces and hard landscaping;

7 Site signed off on agreed completion of significant development works;

8 Dismantling of tree protection measures;

9 Soft landscaping works;

2.4. Preliminary Tree Works

Tree removals to facilitate the development are detailed in the Tree Works Schedule included as Appendix A. No further tree works or pruning is anticipated at this stage, however pruning that was not identified as part of the planning application is now recommended to ensure a reasonable clearance for construction work and to avoid inadvertent damage. This relates to modest crown lifting for trees T4 to T11 and T13 to T21, The final requirement for tree works must be agreed at the pre-commencement site meeting.

All tree works are to be completed by suitably qualified and insured contractors and must take place before protective fencing is installed and any Site works begin. A list of contractors approved by the Arboricultural Association is available at www.trees.org.uk.

All tree works must be carried out in line with the principles of BS3998: 2010 Tree work – recommendations and be conducted in such a way that no damage is caused to any tree to be retained. The tree works contractor must avoid the production of ruts on unmade ground.

If further additional tree works are deemed to be required during the development the advice of an arboriculturist is to be obtained. No works are to take place without the consent of the tree owner or WCBC.

Prior to the commencement of any tree works a thorough check for protected species (including nesting birds, bats and badgers) is to be undertaken. If evidence of any protected species is discovered the advice of a suitably qualified ecologist must be obtained. Tree works are to be undertaken outside of the typical nesting bird season (March to September) outside of this period any individual trees will be inspected for evidence of nesting birds by a suitably qualified person prior to works being carried out.

2.5. Site Briefing

The Site Manager is responsible for ensuring that all personnel are made fully aware of the constraints posed by retained trees on site and the measures in place to ensure they are protected, including having full on-site access to the Arboricultural Method Statement and Tree Protection Plan (TPP). It is good practice for the site arboriculturist to be involved in the site briefing to ensure all constraints and tree protection measures are clearly understood.

2.6. Site Monitoring

An auditable system of Site monitoring shall be established to guide contractors on Site, ensure that tree protection measures are implemented and adhered to and to demonstrate to the Planning Authority that any Planning Conditions have been met satisfactorily.

This includes Site visits by the Site arboriculturist (as appointed by the developer) to confirm the correct installation of protective fencing, to oversee sensitive elements of works within the RPA of retained trees and to sign off the Site when works are complete before fencing can be dismantled.

The frequency of site monitoring will be discussed with the WCBC Tree Officer and agreed in writing before works begin on Site (but is recommended to be every four weeks in addition to ad hoc monitoring of particularly sensitive operations near retained trees as required). An outline schedule of site monitoring is included as Appendix C.

The results of site monitoring visits (including photographs) will be documented in an arboricultural file note which can be forwarded to WCBC as evidence of compliance.

2.7. Tool Box Talk

A Tool Box Talk should be provided to Site workers to highlight the need for safe driving of plant and working within the defined corridor to ensure that accidents and resulting potential damage to trees not covered by tree protection measures are eliminated. A copy of the TPP should be used in the process of explaining to all personal the requirements required to ensure retained trees are not damaged and copies of both the TPP and this Method Statement must be available in the Site office at all times.

2.8. Protective Fencing

The default position as set out by BS 5837:2012 is that retained trees must be protected from construction operations with the erection of robust protective fencing positioned on the outer edge of the RPA or crown spread (whichever is greatest). All site operations will be restricted to the area outside of tree protection fencing and this area will form a Construction Exclusion Zone (CEZ) unless agreed otherwise. Protection measures will be installed as set out in the Tree Protection Plan included as Appendix B of this report.

The area inside the fence and any additional tree protection measures will be sacrosanct and must not be removed or altered without the prior approval of the WCBC Tree Officer. Any damage to tree protection measures must be reported immediately.

Fencing shall be constructed with robust vertical and horizontal scaffold framework with weldmesh panels firmly attached in accordance with BS 5837:2012 Figure 2. Vertical support poles and bracing poles must be located with care to avoid underground utility services and will be sited to avoid the structural roots of retained trees.

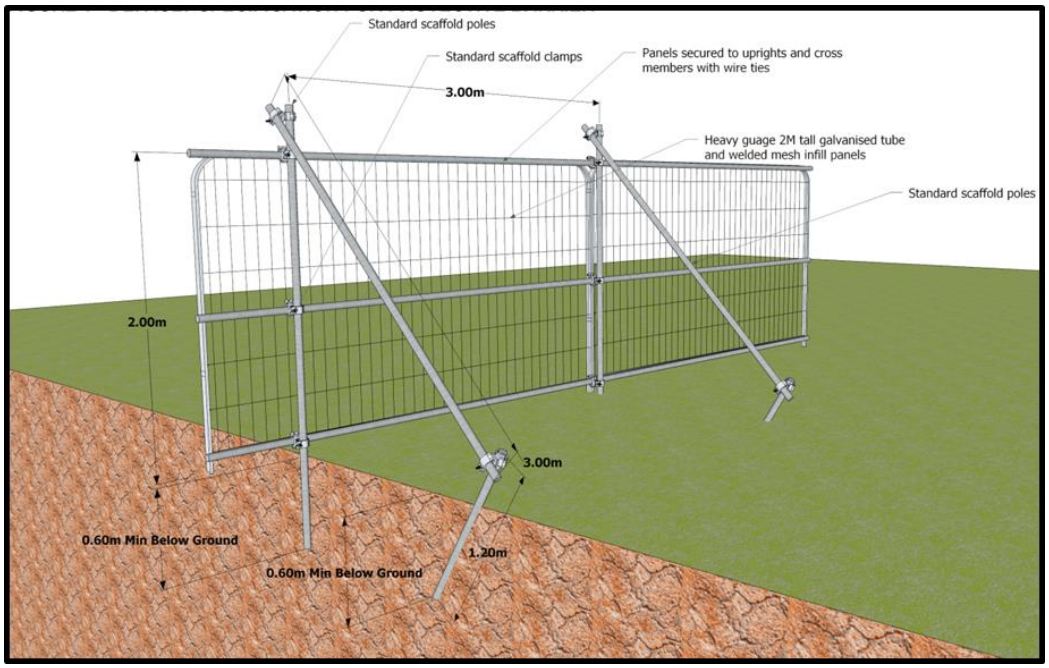


Figure 1 Default specification for tree protection barrier in accordance with BS5837:2012 figure 2.

Alternative equivalent robust and immovable fencing specification including site hoarding will also be appropriate.

Suitable all-weather signage will be fixed to fencing to notify site staff and visitors of the construction exclusion zone and its purpose (example included as Appendix D).

Failure to fully respect the positioning of barriers and tree protection measures may result in the LPA imposing a temporary stop notice or other enforcement action and is likely to require the use of a more onerous barrier specification and potentially expensive remedial works. Damage to trees protected by Tree Preservation Orders is a criminal offense with fines of up to £20,000 per tree or an unlimited fine in a crown court.

When entering and exiting the Site the fencing contractor must avoid the production of ruts on the unprotected surface of the ground.

As shown on the Tree Protection Plan, fencing will be located to protect tree crowns and RPAs during the main construction works but will be set back under the supervision of an arboriculturist to facilitate careful landscape works within RPAs when all main construction activity has been completed. Following completion of landscape works fencing will be reinstalled at the outer edge of the RPA (or canopy, whichever is greater).

Protective fencing and ground protection shall stay in place until all construction operations are completed and removal is agreed with the Site arboriculturist and/or WCBC.

2.9. Removal of Existing Hard Surfacing

Following the completion of the main construction works, fencing will be set back and the existing gravel and paved surface within the RPA of trees T5 to T11 and T14 to T21 must be removed with hand tools (including a handheld pneumatic breaker where required). The existing surface must be ‘rolled back’ with contractors working from the existing hard surface. It will be acceptable to use light tracked machinery such as a mini excavator with an untoothed bucket to assist with the removal of the existing upper surfacing/gravel material where this can be achieved without damage to any significant roots beneath (e.g. where it can be demonstrated that a substantial subbase is present below sufficient to act as a protective layer) and this must be supervised by an arboriculturist.

Machinery must work from existing hard standing only. Where surface roots are obviously present and at the junction between hard and soft ground surfacing is to be removed by hand only.

Following the removal of the wearing course the subbase and any edging is to be broken up by hand via pedestrian only access. Any exposed roots will be assessed by the arboriculturist, roots smaller than 25mm in diameter can be carefully pruned back using clean sharp secateurs.

Materials must be removed using wheelbarrows or via hand loading of long reach machinery positioned on adjacent hard surfacing or ground protection. The subbase is to be rolled back. Following removal any low points or hollows are to be filled with sharp sand or gravel and topsoil be applied to the required level before the soft landscape finish or shrub or turf planting is applied by hand. This area must then be completely fenced off for the remainder of the development works as per the TPP.

2.10. Installation of Replacement Hard Surfacing

The existing footway and car parking area within the RPA of T21 is to be used as the base for the new footway. The surface or wearing course is to be carefully removed as detailed in section 2.09 above.

The subbase must be retained intact, ameliorated as required and utilised for the new surface. If necessary, levels may be increased using inert granular fill by a maximum of 100mm. The subbase must be hand tamped only to prevent significant compaction of the underlying soil.

Pedestrian only access onto the exposed and retained subbase will be acceptable to allow the installation of replacement hard surfacing. The intervening period between the exposure of the subbase and installation of the new surface should be the shortest feasible duration.

Any exposed roots greater than 25mm in diameter must be assessed by the site arboriculturist. If roots which are to be retained are exposed at ground level these should be covered with a thin layer of sharp sand and adjacent levels built up around it. This layer must not be significantly compacted and only hand tamped.

2.11. Installation of New Hard Surfacing

New hard surfacing is proposed in the outer RPA of T21 in an area which is currently a strip of soft landscaping occupied by a managed hedge (H12).

The inner edge of the footprint of the new surface (nearest the tree) will be excavated by hand to the depth of buildup for the new path and its edging. Any roots <25mm will be carefully pruned back using clean secateurs. Any larger roots will be assessed by the Site arboriculturist in advance of pruning (with secateurs or pruning saw) who will advise on any additional management requirements.

Following careful pruning the path can be constructed using standard methods. Any uncured concrete must be contained within impermeable sheeting where it is required adjacent to the RPA.

2.12. Movement of Vehicles and People and the Movement and Operation of Machinery

Due to the spatial constraints on site, enabling and construction works and in particular the use of machinery must be carefully co-ordinated to avoid damage to retained trees. A banksman must be in place for any operations which occur within 5m of any part of a retained tree. Protective fencing will be in place to ensure tree canopies and root systems are fully protected during the main works.

2.13. Site Organisation, Storage and Mixing of Materials

The final locations for temporary site organisation and compounds will be agreed at the pre commencement site meeting with WCBC and will be confirmed in writing. These features will be located well clear of all retained tree canopies and RPAs and will also avoid any areas for new planting or landscaping.

The storage and mixing of materials and any re-fuelling shall take place at least 5m from the RPA of any retained trees and also take into account any potential for run off. Where this is an issue measures such as bunding with robust impermeable polythene sheeting and sandbags must be put in place to prevent accidental run off reaching the rooting zone of retained trees.

Particular care is required with the management of materials toxic to soils and tree roots such as salts, herbicides, fuels, oils, cement and equivalent.

No changes in ground level are permitted within the RPA of a retained tree.

No fires shall take place within an RPA or within 5m of any part of a retained tree. No signs, cables or other items are to be attached to any part of a retained tree.

2.14. Soft Landscaping

No rotovation or mechanical excavation of the soil is permitted within the RPA of retained trees. Any planting or soft landscaping in the vicinity of retained trees must be carried out after the completion of all major construction work, at which point tree protection fencing will be set back to facilitate access. All landscaping within the RPA of retained trees must be achieved via contractors working only on foot or existing hard surfacing,

Contractors must use hand tools only. Any roots encountered which are greater than 25mm in diameter (or large clusters of smaller roots) must be retained intact and not left exposed. Roots must be managed as detailed in section 2.15 below.

Soil levels must be maintained at existing levels within the RPA of retained trees. Ground must not be compacted and new planting must be lightly heeled in only.

2.15. General Principles for the Management of Tree Roots

Where agreed excavation by hand tools or compressed air takes place within a root protection area the following principles will apply:

- Individual or small groups of roots less than 25 mm in diameter will be retained where possible but can be severed with a sharp tool such as secateurs or pruning saws to leave a clean cut end (ideally 100mm back from the face of the excavation to account for future regrowth) where they pose an obstruction.
- Where roots are encountered which are larger than 25 mm in diameter or where significant groups of smaller roots are found, the advice of the site arboriculturist must be sought to decide an appropriate course of action (following consultation with the LPA where appropriate).
- Roots must only be exposed for the minimum period possible. In the interim period any exposed roots (including the face of any excavation within an RPA) must be completely covered with dampened hessian sacking (which may require ongoing re wetting) to avoid drying out and exposure to light. Backfill for excavations should ideally utilise the parent material and must not be significantly compacted.

2.16. Dismantling of Tree Protection Measures

All protective fencing and ground protection must remain in place until all significant site works have been completed and written approval has been obtained from WCBC.

2.17. Contact Details

(To be confirmed).

Site Manager:	To be confirmed
Site Arboriculturist:	To be confirmed
WCBC Tree Officer:	To be confirmed

Appendix A Tree Works Schedule

Ref. No	Species Common Name (*Scientific name*)	Estimated Height (m)	Stem Diameter (mm)	Canopy Spread (m)				First Significant Branch & direction (m)	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Work Required to Facilitate the Proposed Development	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
H1*	Firethorn (*Pyracantha*)	1	<80#	0.5	0.5	0.5	0.5	n/a	0	Good	SM	Good				10+	C2	32.8	0.96m
T2*	Common Alder (*Alnus glutinosa*)	10	290	4	4	4	4	2.0/S	2	Good	EM	Good				20+	B2	50.1	3.48m
H3	Beech (*Fagus sylvatica*)	0	<80#	0.5	0.5	0.5	0.5	n/a	0	Good	SM	Good	Well maintained hedgerow.		Fell in part as per TPP	10+	C2	31.6	0.96m
T4	Lime (*Tilia sp.*)	8	250	3.5	3	2	3	2.0/NE	2	Good	SM	Good	Forming part of formal line of trees growing within hedgerow. Good form. Good landscape value. Slight suppression to east.		Crown lift to south to ensure a 2m clearance of new soft landscaping.	20+	B2	25.4	3m
T5	Lime (*Tilia sp.*)	8	250	3.5	3.5	3.5	3.5	2.0/SE	2	Good	SM	Good	Forming part of formal line of trees growing within hedgerow. Good form. Good landscape value.		Crown lift to south to ensure a 2m clearance of new soft landscaping.	20+	B2	38.4	3m
T6	Lime (*Tilia sp.*)	8	190	3	3	3	3	2.0/SE	2	Good	SM	Good	Forming part of formal line of trees growing within hedgerow. Good form. Good landscape value.		Crown lift to south to ensure a 2m clearance of new soft landscaping.	20+	B2	28.2	2.28m
T7	Lime (*Tilia sp.*)	8	170	3	3	3	3	1.0/W	2	Good	SM	Good	Forming part of formal line of trees growing within hedgerow. Good form. Good landscape value.		Crown lift to south to ensure a 2m clearance of new soft landscaping.	20+	B2	28.2	2.04m
T8	Lime (*Tilia sp.*)	8	180	3	3	2	2	2.0/E	2	Good	SM	Good	Forming part of formal line of trees growing within hedgerow. Good form. Good landscape value.		Crown lift to south to ensure a 2m clearance of new soft landscaping.	20+	B2	18.8	2.16m

Ref. No	Species Common Name (*Scientific name*)	Estimated Height (m)	Stem Diameter (mm)	Canopy Spread (m)				First Significant Branch & direction (m)	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Work Required to Facilitate the Proposed Development	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
T9	Lime (*Tilia sp.*)	8	150	3	3	2	2	2.0/E	2	Good	SM	Good	Forming part of formal line of trees growing within hedgerow. Good form. Good landscape value.		Crown lift to south to ensure a 2m clearance of new soft landscaping.	20+	B2	18.8	1.8m
T10	Lime (*Tilia sp.*)	8	180	3	3	3	3	2.0/E	2	Good	SM	Good	Forming part of formal line of trees growing within hedgerow. Good form. Good landscape value.		Crown lift to south to ensure a 2m clearance of new soft landscaping.	20+	B2	28.2	2.16m
T11	Lime (*Tilia sp.*)	4	140	2	2	2	2	2.0/S	2	Good	SM	Good			Crown lift to south to ensure a 2m clearance of new soft landscaping and crown lift to ensure a 3m clearance of the new footway to the east.	10+	C2	12.5	1.68m
H12	Beech (*Fagus sylvatica*)	0	<80#	0.5	0.5	0.5	0.5	n/a	0	Good	SM	Good	Well maintained hedgerow.		Fell in part as per TPP	10+	C2	29.2	0.96m
T13	Lime (*Tilia sp.*)	8	250	4	4	4	4	1.5/N	2	Good	SM	Good	Forming part of formal line of trees growing within hedgerow. Good form. Good landscape value.		Crown lift to north to ensure a 2m clearance of new soft landscaping.	20+	B2	50.1	3m
T14	Lime (*Tilia sp.*)	8	200	4	4	4	3	1.5/N	2	Good	SM	Good	Forming part of formal line of trees growing within hedgerow. Good form. Good landscape value. Slight suppression to west.		Crown lift to north to ensure a 2m clearance of new soft landscaping.	20+	B2	43.8	2.4m
H15	Beech (*Fagus sylvatica*), Firethorn (*Pyracantha*)	0	<80#	0.5	0.5	0.5	0.5	n/a	0	Good	SM	Good	Well maintained hedgerow.		Fell in part as per TPP	10+	C2	52.3	0.96m
T16	Lime (*Tilia sp.*)	8	170	3	3	3	3	1.5/N W	2	Good	SM	Good	Forming part of formal line of trees growing within hedgerow. Good form. Good landscape value.		Crown lift to north to ensure a 2m clearance of new soft landscaping.	20+	B2	28.2	2.04m

Ref. No	Species Common Name (*Scientific name*)	Estimated Height (m)	Stem Diameter (mm)	Canopy Spread (m)				First Significant Branch & direction (m)	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Work Required to Facilitate the Proposed Development	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
T17	Lime (*Tilia sp*.)	8	180	3	3	3	3	1.5/N W	2	Good	SM	Good	Forming part of formal line of trees growing within hedgerow. Good form. Good landscape value.		Crown lift to north to ensure a 2m clearance of new soft landscaping.	20+	B2	28.2	2.16m
T18	Lime (*Tilia sp*.)	8	200	4	4	4	4	1.5/N W	2	Good	SM	Good	Forming part of formal line of trees growing within hedgerow. Good form. Good landscape value.		Crown lift to north to ensure a 2m clearance of new soft landscaping.	20+	B2	50.1	2.4m
T19	Lime (*Tilia sp*.)	8	170	3	3	3	3	1.5/N W	2	Good	SM	Good	Forming part of formal line of trees growing within hedgerow. Good form. Good landscape value.		Crown lift to north to ensure a 2m clearance of new soft landscaping.	20+	B2	28.2	2.04m
T20	Lime (*Tilia sp*.)	8	170	3	3	3	3	1.5/N W	2	Good	SM	Good	Forming part of formal line of trees growing within hedgerow. Good form. Good landscape value.		Crown lift to north to ensure a 2m clearance of new soft landscaping.	20+	B2	28.2	2.04m
T21	Lime (*Tilia sp*.)	8	200	3	3	3	3	2.0/E	2	Good	SM	Good	Forming part of formal line of trees growing within hedgerow. Good form. Good landscape value.		Crown lift to north to provide a 2m clearance of new soft landscaping and crown lift to ensure a 3m clearance of the new footway to the east.	20+	B2	28.2	2.4m
T22*	Common Alder (*Alnus glutinosa*)	8	260	4	4	4	4	2.5/E	2	Good	EM	Good	Good form. Good landscape feature. Dominant tree in area. Previously pruned to west to keep PROW clear. Black staining at base, potential symptoms of phytophthora.			20+	B2	50.1	3.12m
T23*	Common Alder (*Alnus glutinosa*)	6	90,100,120,100	2.5	0.5	2	2	2.0/N	2	Good	SM	Good	Multi-stemmed from base. Suppressed crown to south. Minor wound on Western stem circa 20cm x 8cm.			10+	C2	9.4	2.47m
T24	Common Alder (*Alnus glutinosa*)	8	300	2	3	3	3.5		2	Good	EM	Good	Growing in grassy area. Good form. Good landscape feature. Forks into multiple leaders at circa 0.5m			20+	B2	25.4	3.6m

Ref. No	Species Common Name (*Scientific name*)	Estimated Height (m)	Stem Diameter (mm)	Canopy Spread (m)				First Significant Branch & direction (m)	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Work Required to Facilitate the Proposed Development	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
T25	Common Alder (*Alnus glutinosa*)	8	250	1	3	4	3		2	Good	SM	Good	Growing in grassy area. Good form. Good landscape feature. Suppressed crown to north.			20+	B2	21.9	3m
T26	Common Alder (*Alnus glutinosa*)	8	250	3	3	3	3		2	Good	SM	Good	Growing in grassy area. Good form. Good landscape feature. Previously crown lifted. branches blocking streetlamp to east.	Prune crown to east to clear streetlamp (When funds allow)		20+	B2	28.2	3m
T27	Cockspur Hawthorn (*Crataegus crus-galli*)	5	150	2.5	2.5	2.5	2.5	1.5/E	2	Good	SM	Good	Growing within hedgerow.		Fell	10+	C2	19.6	1.8m
T28	Cockspur Hawthorn (*Crataegus crus-galli*)	4	120	2	2	2	2	1.5/E	2	Good	SM	Good	Growing within hedgerow.		Fell	10+	C2	12.5	1.44m
T29	Cockspur Hawthorn (*Crataegus crus-galli*)	4	130	2	2	2	2	1.5/E	2	Good	SM	Good	Growing within hedgerow.		Fell	10+	C2	12.5	1.56m
T30	Cockspur Hawthorn (*Crataegus crus-galli*)	4	130	2	2	2	2	1.5/E	2	Good	SM	Good	Growing within hedgerow.		Fell	10+	C2	12.5	1.56m
G31*	Norway Maple (*Acer platanoides*), Elder (*Sambucus nigra*), Hawthorn (*Crataegus monogyna*), Common Alder (*Alnus glutinosa*)	16	<550	4	4	4	4	n/a	2	Good - Dead	Y-M	Good - Dead	Minor deadwood within group. Trees of varying age and size.			20+	B2	814.5	6.6m
T32	Apple (*Malus sp.*)	2	75	0.5	0.5	0.5	0.5	1.0/S	2	Good	Y	Good	Growing within hedgerow.		Fell	10+	C2	0.8	0.9m
T33	Hawthorn (*Crataegus monogyna*)	3	100	1	1	1	1	2.0/NE	2	Good	SM	Good	Growing within hedgerow.		Fell	10+	C2	3.1	1.2m
T34	Beech (*Fagus sylvatica*)	1	80#	0.5	0.5	0.5	0.5	0.3/N	0	Good	SM	Good	Isolated section of beech hedge.		Fell	10+	C2	0.8	0.96m

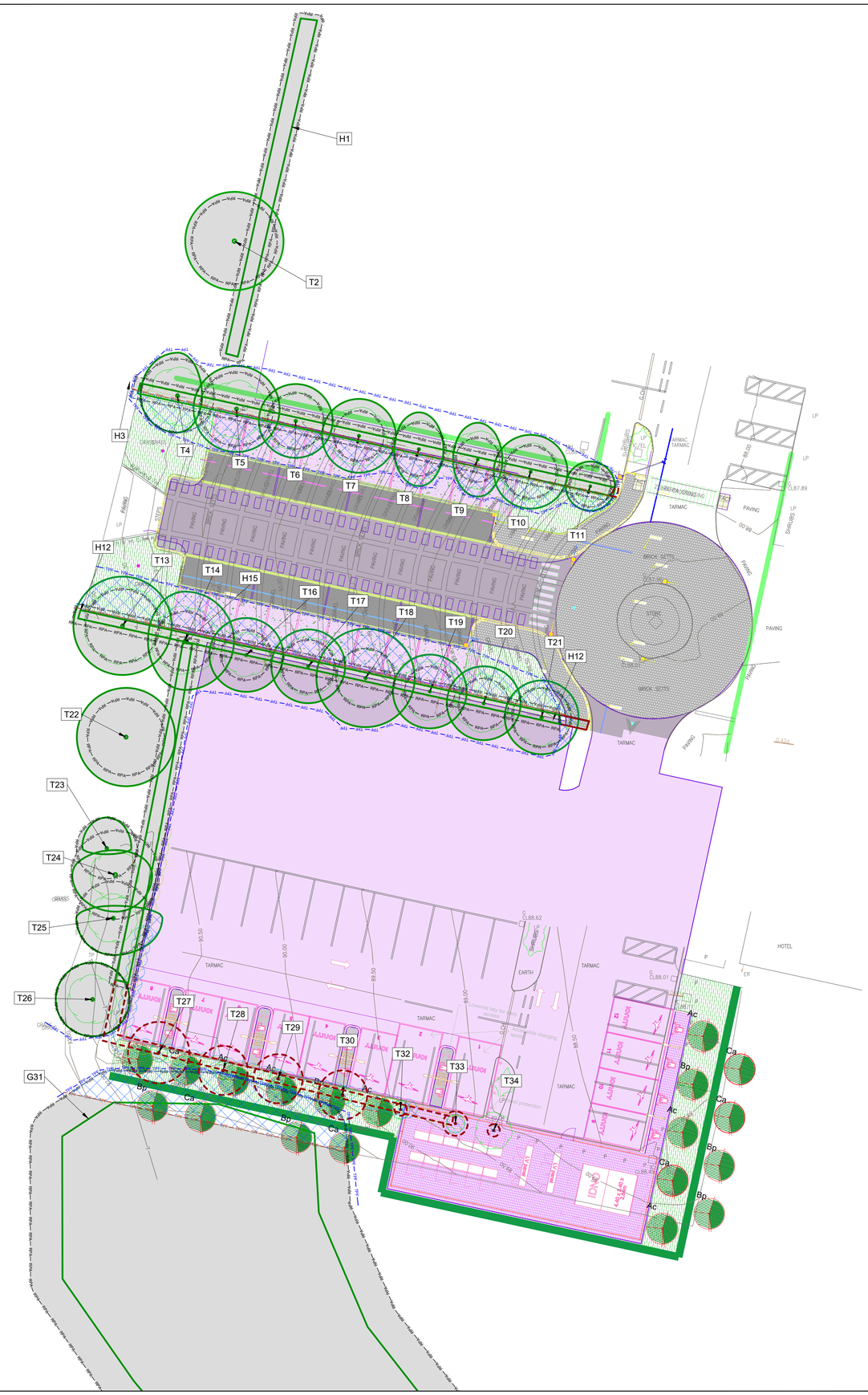
Appendix B Tree Protection Plan

Author: TR Designer: JB Checked: AW Approved: AW

PROPOSALS LEGEND

KEY

- Footway - concrete paving 200 x 100 x 80mm granite aggregate paving setts
- Road - asphalt (refer to engineers drawings)
- Standard tree (planted in soft verge). All new tree pits to include tree root barrier to protect existing and proposed utility services
- Native hedge
- Shrub planting
- Amenity grass / turf
- Access road
- Ionity proposal
- Property line
- Scope of works
- Demolition
- Property line
- EV Charger unit
- Power units
- IDNO substation (IDNO, 4.40 x 3.40 x 2.56m)
- Street markings (IONITY 1)
- Light pole
- Bollard
- Walkaway - Concrete Tiles
- Street - Asphalt
- Grass
- Kerbs



0 2 4 6 8 10 12 14 16 18 20m

SCALE 1:200 @ ISO full bleed A1 (841.00 x 594.00 MM)

N

Last saved by: BREWERJ (2024-05-17) Last Plotted: 2024-05-17
Filename: B:\I - JOBS\IONITY\WREXHAM\CAD\IONITY WREXHAM - TPP_004.DWG

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PROJECT

WREXHAM PEA

CLIENT

IONITY GMBH

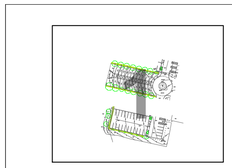
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GENERAL NOTES

1. TREE CATEGORIES AS DEFINED BY BS 5837:2012
2. TREE LOCATIONS ARE BASED ON THE TOPOGRAPHICAL SURVEY, AERIAL IMAGERY, AND GPS CO-ORDINATES FROM ON SITE WALKOVER.
3. * INDICATES A TREE / GROUP WHOSE POSITION IS APPROXIMATE AS BASED UPON AERIAL PHOTOGRAPHY AND ON SITE OBSERVATIONS.
4. PLANS SHOULD BE READ IN CONJUNCTION WITH THE AECOM ARBORICULTURAL REPORT.
5. THE ORIGINAL OF THIS DRAWING WAS PRODUCED IN COLOUR - A MONOCHROME COPY SHOULD NOT BE RELIED UPON.
6. DRAWING REFERNCES:
   - 59538 Utility Survey (21-12-22).dwg
   - 59538-Topo-2D-RevA.dwg
   - 60695026-MOD-WRE-20-L-0001 STAGE 3 BASE.dwg
   - 60695026_ACM_ DDE_ WRE_ DR_ AR_1050_00.4.dwg
   - 60695026_ACM_CDE_WRE_SK_AR_0001_07-Sheet - 0001 - WREXHAM SKETCH.dwg

KEY PLAN



KEY

- EXISTING TREE, GROUP, WOODLAND, OR HEDGE TO BE RETAINED
- EXISTING TREE, GROUP, WOODLAND, OR HEDGE TO BE REMOVED
- ROOT PROTECTION AREA OF RETAINED TREES *(AS DEFINED BY BS 5837:2012)*
- TPF — TREE PROTECTION FENCING
- CONSTRUCTION EXCLUSION ZONE *(TRACKING OF PLANT, MATERIALS STORAGE, EXCAVATION AND ALL OTHER CONSTRUCTION ACTIVITIES ARE EXCLUDED WITHIN THESE AREAS FOR THE PURPOSES OF PROTECTING TREE HEALTH)*
- CONSTRUCTION WORKING ZONE *(MANAGED CONSTRUCTION PROCESSES PERMITTED IN ACCORDANCE WITH THE PRINCIPLES SET OUT WITHIN THE ARBORICULTURAL IMPACT ASSESSMENT)*
- PROPOSED DEVELOPMENT LAYOUT *(BASED UPON DRAWING REFERENCES LISTED IN THE GENERAL NOTES SECTION)*
- TPF — SET BACK TREE PROTECTION FENCE LINE *(WITH APPROVAL FROM SITE ARBORICULTURIST)*

ISSUE/REVISION

P02	17.05.24	SECOND ISSUE
P01	09.03.23	FIRST ISSUE
I/R	DATE	DESCRIPTION

DRAWING STATUS

ISSUE

PROJECT NUMBER

60695026

SHEET TITLE

TREE PROTECTION PLAN (SHEET 01)

SHEET NUMBER 60695026-ACM-XX-XX-AB-TCP-001

REV. P02

Appendix C Outline Schedule of Site Monitoring

Pre commencement:

Pre commencement site meeting with the Site Manager, Site Arboriculturist and WCBC Tree Officer to agree final positions for tree protection measures, location for site facilities and discuss any additional requirements.

General:

Site monitoring every 4 weeks to ensure tree protection measures are in place and fully implemented.

Installation of tree protection measures

Site monitoring to approve correct installation of tree protection measures where trees lie in proximity to the construction of the development.

Site Supervision:

Oversee careful removal of existing surfacing within the RPA of retained trees (including T5 to T11 and T14 to T21).

Oversee hand excavation and careful root pruning for H12 and T21.

Completion

Site monitoring to agree the removal of tree protection measures following completion.

Appendix D Tree Protection Signage (Example)



