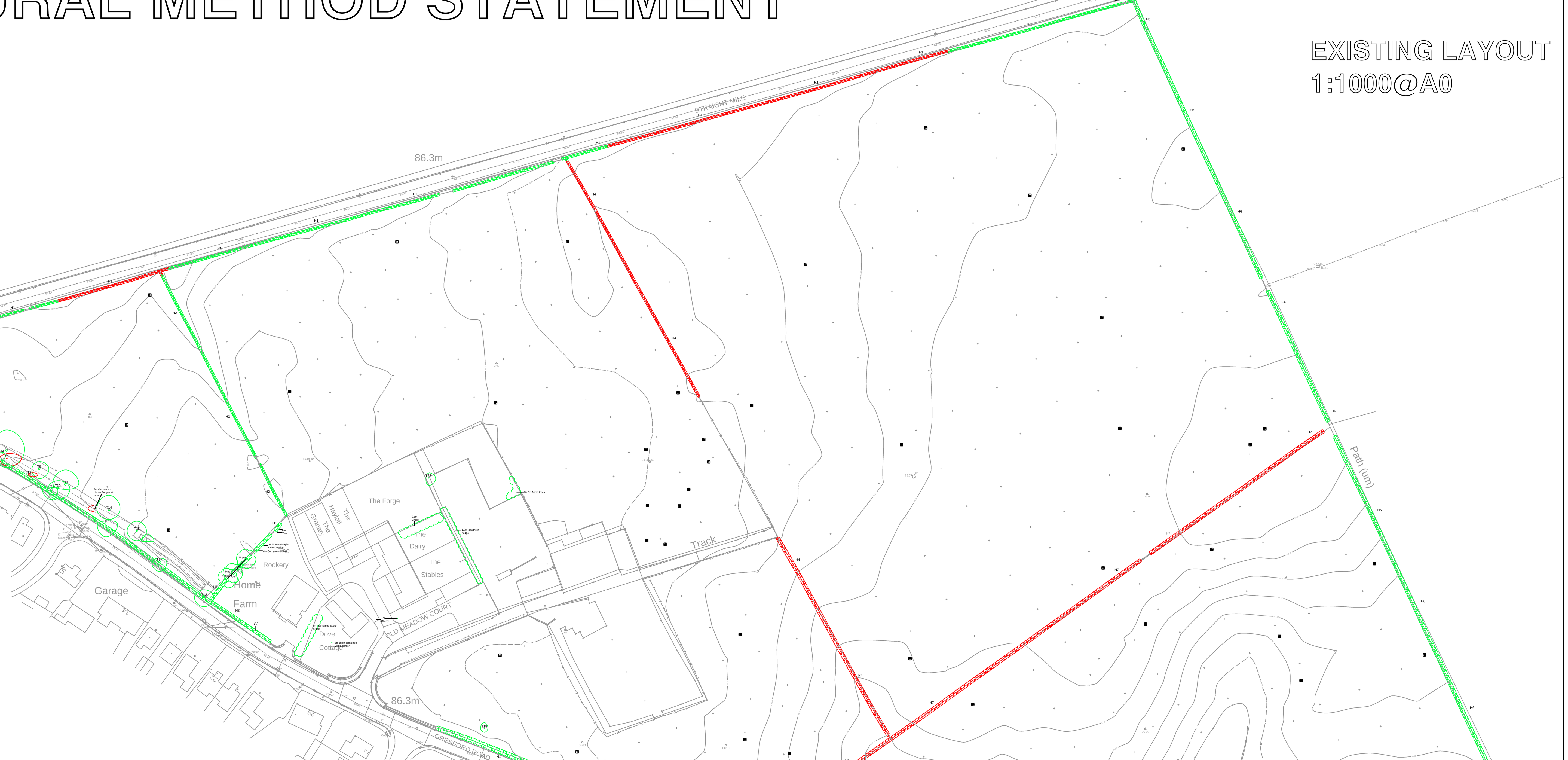
ARBORICULTURAL METHOD STATEMENT

EXISTING LAYOUT
1:1000@A0



IMPORTANT

As a requirement of Wrexham County Borough Council department of Planning, this arboricultural / tree protection method statement has been prepared to clearly define the actions and measures to be taken in respect of the physical protection of retained trees within and immediately adjacent the proposed development site, in advance of, during and after the completion of the construction phase of the development.

The purpose of this method statement is to discharge condition 12 of the Planning Consent Notice dated 26th June 2017 under planning application reference APP/H6955/A/16/3147116 and which read as follows:

No part of the development shall commence until there has been submitted to and approved in writing by the Local Planning Authority a detailed Arboricultural Method Statement and Tree Protection Plan which shall include:
a) all site instructions and prohibitions necessary to the success of the Tree Protection Plan;
b) a programme for arboricultural supervision and monitoring;
c) a programme for any pre-development access facilitation works; and
d) the requirements for any contractors engaged to provide such services.
The development shall be undertaken in accordance with the approved Arboricultural Method Statement and Tree Protection Plan

Any deviation from this statement, whether intended or inadvertent, may result in a breach of planning condition(s) and enforcement action may be taken.

All relevant legislation must be taken into consideration prior to the commencement of any works on site, particularly in relation to works to trees. Where statutory controls apply, including Tree Preservation Orders, Conservation Areas, the requirement for a Felling Licence, relevant planning conditions or any statute relating to wildlife protection or protected species, those both instructing and carrying out works that directly or indirectly affect trees must first satisfy themselves that all appropriate consents are in place or that notifications have been served and that statutory timescales have elapsed. Failure to do so is likely to result in enforcement action involving in some cases, criminal prosecution and substantial fines, as well as the potential cessation of all works on site until any and all breaches are fully rectified to the satisfaction of the local planning authority.

The contents of this statement in no way constitutes an instruction to proceed with any works without the full written consent of the relevant local planning authority.

Any queries in relation to this document should be referred in the first instance to Ascerta by telephone on 0845 463 4404 or alternatively by email at info@landscapetreesecology.com

General Notes:

All tree works must be carried out to the agreed schedule subject to the appropriate consent(s) being in place. All works must be carried out to a minimum of the standards contained within BS3998: 2010 *Tree work - Recommendations* or any subsequent revision, by a reputable contractor, insured and qualified to current industry standards. All waste must be disposed of in accordance with current waste transfer regulations.

Once erected, no access will be permitted beyond the line of the tree protection fence without the prior approval of the project arboriculturist. No storage of materials is permitted within these areas, no dumping of waste or spilling of liquids (including run-off into the exclusion zone or drift from any sprays) and no lighting of fires within 10m of the outer canopy spread of any retained tree within the site.

Protective fencing is to be erected to the specification shown on the method statement drawing and retained in-situ until the project arboriculturist and / or the local planning authority tree officer confirms in writing that it may be moved / removed. Periodic inspections should be made by an appropriately qualified and experienced person (preferably the project arboriculturist) to ensure the fencing is maintained in good order / condition and that it is not being moved / removed without appropriate consent.

All services, whether that be drainage (surface water or foul), gas, electricity, telephone, cable or any other services associated with the construction and occupation of the proposed development are to be located outside of the root protection area of retained trees unless with the prior approval of the project arboriculturist and in accordance with industry standard provisions (for example, but not limited to National Joint Utilities Group guidance).

All access to the site is to be via approved vehicular and pedestrian routes.

The site compound area is to be identified and approved by the project arboriculturist in advance and constructed in a manner to avoid any adverse impact on retained trees, shrubs or hedges.

Parking for site personnel is to take account of fenced off areas and root protection areas.

Construction activities are to be phased such as to allow adequate working space and to comply with the tree protection requirements.

All excavation works are to be carried out in a manner that avoids damaging retained trees, shrubs or hedges. Where applicable, excavation machinery is to be sited away from exclusion zones with the work progressively moving away from retained trees, shrubs and hedges.

There is strictly no storage of soils, subsoils, stone, building materials, excess timber from tree felling operations or brushwood permitted within exclusion zones or immediately adjacent fenced-off areas where the collapse of such piles could cause damage to protective fencing.

All waste from site works is to be disposed of in accordance with approved environmental legislation and best practice guidance.

Inspections in accordance with the agreed schedule and as instructed by the client should be made by the project arboriculturist to ensure compliance with the Method Statement and the appropriate planning conditions.

Sequence of Operations

The following table sets out the sequence of operations to be followed in advance of, during and upon completion of the construction phase. Details of specific operations listed in the sequence are provided throughout this statement and on the drawings. This sequence of operations must be adopted by the developer and his site agent.

	Action	Notes	Timing	Responsibility
1	Agreement of content of Method Statement	Client to forward copies of this document to the Local Planning Authority (LPA) & request formal approval / discharge of conditions. NO SITE WORKS TO COMMENCE UNTIL ALL TREE PROTECTION DETAILS HAVE BEEN APPROVED.	In advance of any site works.	Client / Local Planning Authority
2	Tree works	Tree works contract to be let and works to be carried out in accordance with the approved schedule to a minimum of the standards as contained within BS3998:2010 *Tree work - Recommendations* or any subsequent revision that may apply at the time of commencement of the works.	Prior to commencement of any construction activities (including most likely the erection of protective fencing) and prior to the arrival of site cabins, machinery or materials.	Appointed tree works contractor
3	Site agent to be briefed on content of this document and location of protective fencing to be marked out on site using fluorescent paint or similar	Site agent to be fully aware of location and construction specification for protective fencing.	Prior to commencement of any construction activities and prior to the arrival of site cabins, machinery or materials.	Main contractor (Ascerta to advise when appropriate)
4	Erection of protective fencing	Once installed adequacy of protective fencing to be signed off formally with LPA. 'TREE PROTECTION AREA: KEEP OUT' laminated signs to be attached to the outside of protective fencing at 4m intervals such that they are clearly visible to site personnel.	Prior to commencement of any construction activities and prior to the arrival of site cabins, machinery or materials	Main contractor (Ascerta to advise when appropriate)
5	Demolition	All demolition works are to be carried out to an agreed demolition plan that provides for the retention and protection of trees identified as being retained.	Where required, in conjunction with the erection of protective fencing (provided that there is no conflict that may risk damage to retained trees).	Main / demolition contractor
6	Groundworks phase	All exclusion zones as defined by the tree protection fencing are to be respected and no works carried out, including the movement and storage of soils (even on a temporary basis), that could result in damage to or breach of the fencing or fenced off areas.	Only after the erection and sign-off of protective fencing.	Main / groundworks contractor
7	Main construction phase	No works to take place within the Root Protection Area(s) as defined by the protective fencing, no storage of materials, no depositing of liquids and no raising or lowering of ground levels without prior consultation with the appointed site arborist and LPA.	Throughout the entire construction phase.	Main contractor
8	Maintenance of protective fencing	Any damage to the protective fencing must be repaired immediately. No alteration to the location and type of fencing is allowed without the prior approval of the project or LPA arboriculturist.	Throughout the entire demolition, groundworks & construction phases	Main contractor
9	Management of retained trees	Periodic inspections should be made of retained trees throughout the construction phase by the project arborist. Any action required in order to maintain condition and health of trees to be taken as directed by the project arborist and as approved by the LPA.	In accordance with a schedule to be agreed with client. Inevitably	Ascerta
10	Landscaping	Hard / soft landscaping to be completed as per the approved plan. At this stage, and only when construction machinery has left the site, the protective fencing may be dismantled / removed provided it is with the agreement of the project / LPA arboriculturist.	Upon completion of all external / internal construction works, with the exception of landscaping	Main contractor / landscape sub-contractor
11	Site sign off	Written notification to be forwarded to LPA confirming that arrangements for the protection of trees throughout the construction phase as per the above has been fully complied with	Upon satisfactory completion of landscape works	Main contractor

Site Specific / Special Procedures

The following special procedures must be implemented throughout the course of the construction phase in order to comply with Planning Conditions and ensure successful retention of trees within and adjacent the site:

Issue	Procedure
Routine tree works	Tree works are to be completed in accordance with the approved schedule, taking into consideration all statutory limitations and controls, whether they relate to the proposed tree works directly or to wider ecological issues. It is also possible that throughout the course of the development or approaching the end of the construction phase, some remedial works may be required in order to maintain the retained trees in good condition and health. Any such tree works identified by the project arboriculturist are to be carried out to a minimum of the standard as contained within BS3998: 2010 *Tree work* or any such revision that may apply at the time of the works. Contractor to follow all current Health & Safety Legislation and to adopt industry best practise. Acceptable Risk Assessment & Method Statement for tree works required in advance of commencement of works
Erection of Protection Fencing	Fencing to be erected in the locations shown. The specification / construction detail for erection of the fencing is to be followed.
Initial groundworks, including site remediation works & sewer construction	No works permitted beyond the line of protective fencing and any works within 2m of the protective fencing are to be controlled and supervised by the project arboriculturist to ensure there is no damage to the fencing. No bunding of soils permitted close to the protective fencing.
Erection of Scaffolding	Where scaffolding is to be located close to or within the root protection areas of retained trees, the protective fencing is to be attached securely to the scaffolding to prevent pedestrian or machinery access to the exclusion zones. Approval of the fixing mechanism between fencing and scaffolding must be approved in advance by the scaffolding contractor and any adjustments or provision made within Health & Safety management accordingly. In areas where scaffolding is within or adjacent exclusion zones, additional ground protection as indicated on the drawing is to be laid to prevent compaction and protect roots below.
Excavations for Foundations & lowering of ground levels	No machinery is allowed within the areas excluded from the construction zone by tree protection fencing; therefore foundations will need to be excavated with the machine located away from root protection areas. Any roots exposed within the foundation trenches should be cut cleanly back to the edge of the trench using a sharp hand saw or secateurs under the supervision of the project arboriculturist as and where specified. No roots >25mm are to be severed prior consultation with the project arboriculturist.
General construction activities	No works are allowed within the Root Protection Areas throughout the construction phase without the express consent of the project arboriculturist. There will also be no storage of materials, no access by plant or site personnel, no depositing of waste or liquids and no fires within the Root Protection Areas throughout the entire construction phase.
Landscaping	During the landscaping stage, and with the approval of the appointed site arborist, the protective fencing can be dismantled. No materials are to be heaped within the line of the protective fencing without the prior approval of the project arboriculturist. Suitable topsoil as per the landscape specification will then be applied to the area and the landscape scheme implemented as per the approved plans. Any excavations within the Root Protection Area must be approved by the appointed site arborist prior to commencement.

NOTE: Should any queries arise over the content of this document or there be a need for works within or immediately adjacent the Root Protection Areas, the appointed site arborist MUST be contacted for advice in advance. Failure to follow the measures contained within this document could lead to enforcement action being taken.

NOTE TO LOCAL AUTHORITY: This document does not imply that Ascerta has been retained to oversee, supervise or manage any aspect of the tree protection proposals at any stage of the development.

Schedule of Arboricultural Supervision / Monitoring

During the course of the development, visits to the site should be carried out by the project arboriculturist in accordance with aa schedule to be agreed with the client and as required if appropriate by planning condition. The following key stages should be supervised and signed off by the project arboriculturist to limit the potential for adverse impact on retained trees:

Key Stage		Reason for Visit / Supervision	Notify Client / LA when Complete (Y / N)
1	Initial Tree Works	To ensure compliance with the agreed / approved tree work specification.	Y
3	Erection of protective fencing	To ensure compliance with the agreed specification and location of the fencing.	Y
2	Install temporary road surface	To ensure compliance with the agreed specification and location of the surface.	Y
3	Site Clearance	To ensure that the site clearance contractor (including the clearance of any scrub areas) is aware of the agreed work schedule and the need for tree protection.	Y
4	Demolition stage	To ensure that the demolition contractor is working to an approved plan and is aware of the need for tree protection.	Y
5	Initial ground works – remediation, roads & sewers	To ensure there is no conflict with retained trees or exclusion zones and to prune / treat roots within / adjacent approved excavations where necessary.	Y
6	Construction phase	To ensure compliance with agreed specifications and to limit potential for breach of planning conditions and tree / wildlife legislation.	Y
7	Removal of tree protection	To ensure that protective fencing is not removed prematurely and allow proper sign-off with the LPA.	Y
8	Landscape phase	To advise landscape contractors on tree protection issues and ensure that there is no unnecessary damage to retained trees from landscape operations.	Y

List of Key Contacts (details to be added when contacts are known)

Title	Company	Contact	Email	Telephone
Site Agent				
Groundworks contractor				
Demolition contractor				
Project Arboriculturist	Ascerta	Helen Sullivan	helen@landscapetreesecology.com	0845 463 4404
LPA Planning Officer				
LPA Tree Officer				

Laminated copies of the above sign (or similar if approved by the project arboriculturist) are to be attached to the outside of the protective fencing at 4m intervals such that they are clearly visible to site personnel.

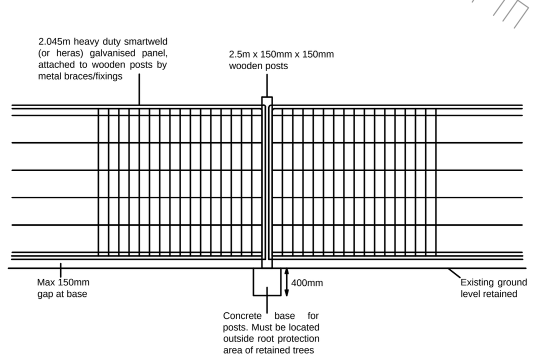
TREE DATA TABLES

T. No	Species	Ht (m)	Stem DBH (mm)	RPA Radius (m)	Branch Spread N	S	E	W	Ht Crown Clearance (m)	Age Class	P Condition	Structural Condition & General Comments	Preliminary Recommendations (not to be actioned without a valid planning consent)	Est. (yrs)	Cat Grade
T1	Scots Pine	15	520	6.24	3	3	2	2	8	M	F	Old stem wound on North side. Form and condition typical of species.	No work required at this time.	20+	**C1**
T2	Oak	13	910	10.92	5	6	5	3	2	M	F	Balanced form. Some minor deadwood throughout crown. Burrs at lower stem.	No work required at this time.	30+	**B1**
H1	Hawthorn and Holly	1.5	50-100	0.60-1.20	2	2	2	2	0	M	F	Maintained at 1.5 hedgerow. Strong boundary feature.	Remove parts of the hedgerow as indicated on drawings to facilitate access and visibility requirements.	30+	**B1**
G1	Hawthorn and Elm	6	240 300 400	2.88 3.60 4.80	2.5	2.5	2.5	2.5	1	EM	F	Three trees in group. Fair condition and form for species.	No work required at this time.	20	**B2**
T3	Oak	13	890	10.68	6.5	6	5	4.5	1.5	M	F	Balanced form. Becoming reduced in vigour. Epicormic growth throughout crown. Small diameter deadwood in crown.	No work required at this time.	30+	**B1**
T4	Scots Pine	15	400	4.80	0.5	3	1	2	10	M	F	Straight stem. All of tree canopy at very top. Lower branches removed.	No work required at this time.	20+	**C1**
T5	Oak	12.5	710	8.52	8.5	7	7.5	6	2.5	M	F	Balanced form. Average vigour. Small diameter deadwood throughout.	No work required at this time.	30+	**B1**
T6	Oak	4	420	5.04	2	3	6	3	1.5	EM	P	Dead standing tree. Very minor growth on branch tips.	Remove due to condition.	<10	**U**
T7	Scots Pine	10	450	5.40	0	3.5	0	0	9	M	P	One scaffold branch growing over road. Top snapped out and dying back.	Remove due to condition.	<10	**U**
T8	Oak	12	700	8.40	3	4	4	3	2	M	F	Canopy appears reduced. Epicormic growth on main stem Previous failures and moderate diameter deadwood.	No work required at this time.	30+	**B1**
T9	Scots Pine	11	500	6.00	0.5	4.5	2	4	7	M	F	Majority of canopy over road. Lower branches previously removed.	No work required at this time.	20+	**C1**
T10	Oak	10	550	6.60	3	5	5	4	2	M	F	In decline. "Stag-headed" form from tree top. Lower canopy good vigour.	No work required at this time.	30+	**B/C1**
T11	Oak	8	700	8.40	6	2	5.5	5	3	M	F	Squat crown. Crown bias to North. One large dead branch extending from base into main stem. Possible historic lightning strike. Reduced vigour.	No work required at this time.	30+	**B/C1**
T12	Ash	6.5	100	1.20	1	1	0	2.5	3	Y	P	Self-sown. Stem leaning to West. Moderate deadwood throughout.	Remove due to condition	<10	**C1**
T13	Scots Pine	12	560	6.72	1	5.5	5	3	7	M	F	Canopy extending over road. Stem wound at 6m. extending to 8m on East side.	No work required at this time.	20	**C1**
T14	Oak	8.5	780	9.36	6	4	4.5	5	2	M	F	Fairly balanced crown. Minor deadwood at branch tips. Reduced vigour.	No work required at this time.	30+	**B1**

T. No	Species	Ht (m)	Stem DBH (mm)	RPA Radius (m)	Branch Spread N	S	E	W	Ht Crown Clearance (m)	Age Class	P Condition	Structural Condition & General Comments	Preliminary Recommendations (not to be actioned without a valid planning consent)	Est. (yrs)	Cat Grade
T15	Oak	7	500#	6.00	4	4	4	4	2	M	F	Understorey of Rose and Bramble. Stem failure with associated dieback in upper canopy. Ground level change by 0.5m on South side.	No work required at this time.	30+	**C1**
T16	Scots Pine	10	500#	6.00	3	0	3	2	7	M	F	Located within fenced off pond area. Previous failed branches, stubs still visible. Canopy bias to North.	No work required at this time.	20	**C1**
H2	Hawthorn	1.5	50-100	0.60-1.20	2	2	2	2	0	M	G	Maintained hedgerow.	No work required at this time.	30+	**B1**
T17	Pine	8.5	700#	8.40	1.5	4	3	3	6	M	F	Stem located within hedgerow. Stem covered with dense Ivy. Canopy bias over road.	No work required at this time.	20	**C1**
T18	Pine	8.5	650#	7.80	3	4	4	4	6	M	F	Fairly balanced crown. Stem located within hedgerow. Some failed branches, tree stubs remain.	No work required at this time.	30+	**B1**
G1	Cypress	4.5	200-300#	2.40-3.60	2	2	2	2	0	EM	F	Linear planting within garden of farm house. Fair condition. Low arboricultural value.	No work required at this time.	20	**C2**
G2	Poplar, Pine, Corkscrew Willow, Norway Maple, Norway Maple Crimson King	5.0	170-300#	2.04-3.60	3	3	3	3	2	EM	F	Boundary planting within garden of farm house. Fair condition. Low Arboricultural value within landscape.	No work required at this time.	20	**C2-**
H3	Cypress	1.5	100	1.20	2	2	2	2	0	EM	F	Maintained as hedgerow.	No work required at this time.	20+	**C2**
G3	Cypress	4.5	100-150#	1.20-1.80	2	2	2	2	0	EM	F	Provides screening for garages from road.	No work required at this time.	20+	**C2**
T19	Hawthorn	3.5	250#	3.00	2.5	1.5	1.5	1.5	1.5	EM	F	Multi-Stemmed from base. Typical form for species. Low arboricultural value.	No work required at this time.	20+	**C1**
T20	Oak	7.5	450#	5.40	3	5	5	6	1	EM/M	F	Stem densely Ivy covered. Located within hedgerow. Fairly balanced form.	Remove for development. Provide replacement planting with development.	30+	**B1**
T21	Oak	8.5	500#	6.00	3.5	4	4	4	1	EM/M	F	Located within hedgerow. Squat balanced crown. Dense epicormic growth throughout stem.	No work required at this time.	30+	**B1**
T22	Oak	8	500#	6.00	4	4	4	4	1	EM/M	F		No work required at this time.	30+	**B1**
H4	Hawthorn	2	100-150#	1.20-1.80	2	2	2	2	0	M	F	Maintained as hedgerow.	Remove for development. Provide replacement planting with development.	30+	**B1**
T23	Ash	4.5	250	3.00	2	2	2	2	2	Y/EM	F	Co-dominant at 2m. Good vigour.	No work required at this time.	30+	**C1**
H5	Holly and Hawthorn	1.5	100-1.50	1.20-1.80	2	2	2	2	0	M	F	Maintained as hedgerow.	No work required at this time.	30+	**B1**
T24	Sycamore	10	400#	4.80	4	4	4	4	3	EM	F	Located off-site. Co-dominant stems.	No work required at this time.	30+	**C1**
T25	Lombardy Poplar	14	560#	6.72	2	2	2	2	3	M	F	Located offsite. Form and condition typical of species.	No work required at this time.	20+	**C1**
T26	Lombardy Poplar	14	530#	6.36	4	4	4	4	3	M	F		No work required at this time.	20+	**C1**
H6	Hawthorn	1.5	100-150	1.20-1.80	2	2	2	2	0	M	F	Maintained as hedgerow.	No work required at this time.	30+	**B1**
G4	Fir	4	150-200	1.80-2.40	2.5	2.5	2.5	2.5	0	EM	F	Linear Planting provides some moderate screening within site	No work required at this time.	20+	**C2**
T27	Poplar	7.5	200	2.40	3	3	3	1	1	Y	F	Crown bias to East. Neighbouring two trees recently felled.	No work required at this time.	20+	**C1**
H7	Hawthorn	1.5	100-150	1.20-1.80	2	2	2	2	0	M	F	Maintained as hedgerow.	Remove for development. Provide replacement planting with development.	30+	**B1**

PROPOSED LAYOUT
1:1000@A0

TREE PROTECTION FENCING



ALL COORDINATES RELATED TO LOCAL GRID LOCATED TO OS NG BY BEST FIT TO DETAIL, EXTRACTED FROM OS DIGITAL DATA.

Ascerta

Landscape | Trees | Ecology

Mere One, Mere Grange
Elton Head Road, St Helens
Merseyside WA9 5GG
t: 0845 463 4404 f: 0845 463 4405
e: info@landscapetreesecology.com
Web: www.landscapetreesecology.com

REV	DESCRIPTION	DATE

CLIENT: Bellway Homes Ltd

PROJECT: Gresford Road, Llay LL12 0NE

DRAWING TITLE: Arboricultural Method Statement

SCALE:	DRAWN BY:	DRAWING No:	REV:
1:1000@A0	CP		
DATE: 20/10/2017	CHKD BY: HS	P.906.17.01	-

KEY

- Existing tree to be retained
- Existing tree to be removed
- Extent of Root Protection Area for retained trees in accordance with BS5837: 2012 *Trees in relation to design, demolition and construction - Recommendations*
- Proposed location of protective fencing - see inset for type / construction detail

DO NOT SCALE

© This drawing, including the design and technical information contained on it, is the property of Ascerta.
The drawing may only be used for the specific purpose for which it has been intended and may not be reproduced or copied without prior permission.