Note: No unauthorised excavations are to be carried out within the RPAs of any retained trees. Any level changes must form part of a construction method statement & must protect the rooting environments of all retained trees.

Indicative only

H01

Information board

Replacement Hedge Planting

Footpath constructed above the existing soil level.

Protective fencing

Cell-web no dig construction access road

Protective fencing

Ground boarding

T01

H02

T02

H03

G01

T03

T04

T05

G02

T06

T07

W01

c a r p a r k i n g

bin store

treatment plant mound

field

store / vending

[planting is indicative only - refer to landscape architect details for planting]

cycle parking + shelter

staff welfare / storage

glamping pods

01

02

03

04

05

06

07

soakaway

0m 10m 20m 30m 40m 50m

Tree Categories

Trees are categorised in accordance with the cascade chart in Table 1 of the British Standard BS 5837:2012 'Trees in relation to design, demolition and construction - Recommendations'

Category 'U' - Trees in such condition that they cannot realistically be retained as living trees in context of the current land use for longer than 10 years.
Category 'A' - Trees of high quality with an estimated remaining life expectancy of at least 40 years.
Category 'B' - Trees of moderate quality with an estimated remaining life expectancy of at least 20 years.
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.

Root Protection Area

In order to avoid damage to the roots or rooting environment of retained trees, the Root Protection Areas (RPAs) should be plotted around each of the category A, B and C trees. This is a minimum area in m^2 which should be left undisturbed around each retained tree.

The RPA is calculated using the British Standard BS 5837:2012 'Trees in relation to design, demolition and construction - Recommendations.

The calculated RPA is capped to 707m^2, which is the equivalent to a circle with a radius of 15m. Where there appears to be restrictions to root growth the root protection area is reshaped to more accurately reflect the likely distribution of the roots.

Tree Protection Area

KEEP OUT

Do **not** move this fence

TOWN & COUNTRY PLANNING ACT 1990.
TREES ENCLOSED BY THIS FENCE ARE SUBJECT TO PLANNING CONDITIONS AND/OR ARE THE SUBJECT 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

ARBTECH

Arbtech Consulting Limited
Unit 3, Well House Barns, Chester Road, Chester, CH4 0DH
https://arbtech.co.uk, 01244 661170

Protective Fencing

To be erected prior to the commencement of all works on site, and retained in place throughout construction.
Specification: To comprise of 2m tall welded mesh panels on rubber or concrete feet. Panels are to be joined together using a minimum of two anti-lamper couplers, installed so that they can only be removed from inside the fence. The panels should be supported on the inner side by stabilizer struts, which should be attached to a base plate and secured with ground pins.
All weather notices should be erected at regular intervals on the weld mesh panels with words such as "Construction exclusion zone - Keep out".

Ground boarding

New temporary ground protection should be capable of supporting any traffic entering or using the site without being distorted or causing compaction of underlying soil.

Note The ground protection might comprise one of the following:

a) for pedestrian movements only, a single thickness of scaffold boards placed either on top of a driven scaffold frame, as to form a suspended walkway, or on top of a compression-resistant layer (e.g. 100mm depth of woodchip), laid onto a geotextile membrane;
b) for pedestrian-operated plant up to a gross weight of 2t, proprietary inter-linked ground protection boards placed on top of a compression-resisiatnt layer(e.g.150mm depth of woodchip), laid onto a geotextile membrane;

For situations other than those described in a) or b), the ground boarding is to be designed by a suitably qualified person to an engineering specification in conjunction with arboricultural advice, to be abole to support the expected loading to be placed upon it.

In all cases, the objective of the ground boarding is to avoid compaction of the soil beneath, so that tree root function remains unimpaired.

Cell-web hard surfacing

Multi-dimmensional confinement system
Existing vegetation may be removed with hand tools or sprayed with an approved non residual herbicide such as 'Glyphosate'. The new hard surfacing will be constructed using a 'No Dig' surfacing situated entirely above the existing soil surface and where needed using a proprietary cellular confinement system (GeoWeb or similar) laid over a bi-axel geo-grid (tensar TriAx or similar). Prior to this any small hollows on the surface may be filled with clean sharp sand (not builders sand) to a maximum depth of 150mm. The 'GeoWeb' is to be back filled by hand with a no-fines aggregate of 20mm - 30mm. The area of 'GeoWeb' will be covered with a permeable geotextile fabric and the finished wearing course laid on top. Edge supports of an appropriate size and strenght should be set above ground level and secured with haunching or steel pins driven into the ground. the outer edge of the supports may be banked up with clean top soil.
NB. The use of a multi-dimensional confinement system will affect the finished level of the hard surfacing by raising the levels and needs to be taken into consideration when designing foundations and setting the finished floor levels of adjacent buildings.

No Dig Footpath

The proposed to be situated within the RPAs of tree no. T01 is to be designed in conjunction with arboricultural advice to ensure that the construction will be situated entirely above the existing soil level and will not require excavation into the RPA of the tree. The wearing course should be permeable.The kerb stones will be set above ground level and should be secured with either haunching or steel pins driven into the ground. The outer edge of the supports may be banked up with clean topsoil.

Arboricultural Supervision

The arboricultural consultant will be required to attend site to directly supervise all demolition and construction works that have to be undertaken within the root protection areas. This will include:

1. Pre-commencement site meeting & location of protective measures.
2. Supervised installation of the cell-web access road within the RPAs of tree nos. T01 & T02.
3. Any demolition and or excavations within or adjacent to RPAs, including foundations, hard surfacing or underground services (a non-exhaustive list).

Arboricultural Method Statement

Please refer to Arbtech Consulting Ltd. Tree Schedule and Arboricultural Method Statement, for full details on all surveyed trees and how all aspects of the the development maybe implemented without determent to retained trees.

arbtech

Unit 3, Well House Barns, Chester, CH4 0DH
https://arbtech.co.uk, 01244 661170

Project:
Queensbridge Farm,
Overton,
Wrexham,
LL13 0LE

Client:
Steve Heighway

Drawing:
Tree Protection Plan

Based on:
360MWT01 - 03 J

Drawing No: Arbtech TPP 01
Rev: C
Key:
Date: Jun 2026
Scale: 1:200 @ A0
Drawn: AST

Key:

Tree Nos.:	T1	Tree Canopies:	Trunks:
RPAs:		Category 'U' trees:	Category 'A' trees:
Category 'B' trees:		Category 'B' groups:	Category 'C' trees:
Category 'C' groups:		Protective fencing:	Ground boarding:
Cell-web no dig access construction:		No-dig Footpath construction:	

All dimensions should be checked on site. No dimensions are to be scaled from this drawing.
Please refer to all site discrepancies found. Arbtech Consulting Ltd. cannot be held responsible for inaccuracies in the base information supplied by the client.
This drawing is designed to reflect the principles of the layout or design only, and relates only to the protection of retained trees.
This drawing is not to be read as a definitive part of the engineering or construction designs or method statement. An architect or structural engineer should be contacted over any matters of construction, detailing or specification and for any standards or regulatory requirements relating to proposed structures, hard surfacing or underground services.
This drawing was produced in colour - a monochrome copy should not be relied upon.

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