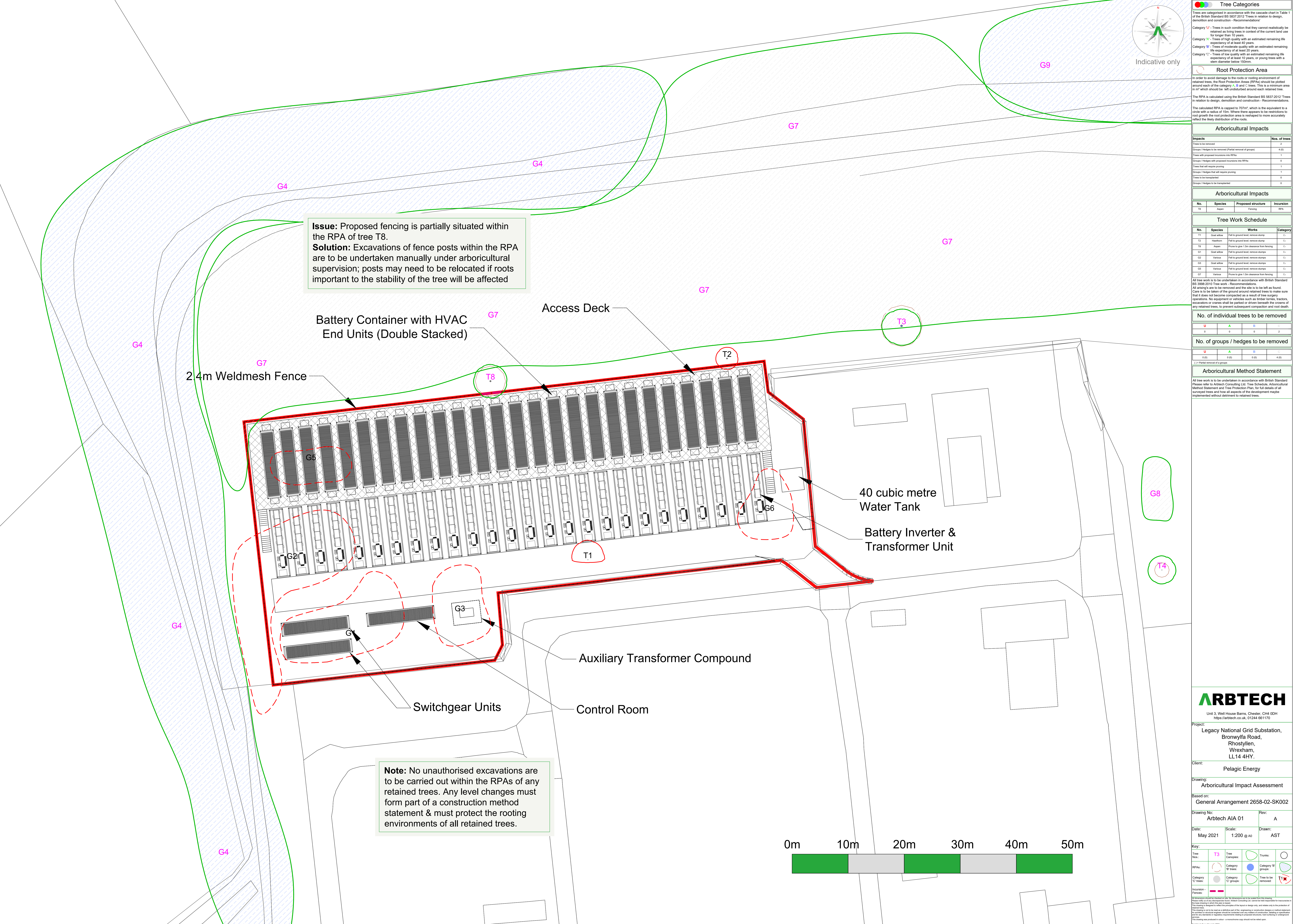




Issue: Proposed fencing is partially situated within the RPA of tree T8.
Solution: Excavations of fence posts within the RPA are to be undertaken manually under arboricultural supervision; posts may need to be relocated if roots important to the stability of the tree will be affected

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.

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 'V': Trees of high quality with an estimated remaining life expectancy of at least 40 years.

Category 'W': Trees of moderate quality with an estimated remaining life expectancy of at least 20 years.

Category 'X': Trees of low quality with an estimated remaining life expectancy of at least 10 years, or young trees with a stem diameter below 100mm.

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 'U', 'V' and 'W' trees. This is a minimum area in 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 707m², 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.

Arboricultural Impacts

Impacts	Nos. of trees
Trees to be removed	2
Groups / Hedges to be removed (Partial removal of groups)	4 (R)
Trees with proposed incursions into RPAs	0
Groups / Hedges with proposed incursions into RPAs	0
Trees that will require pruning	1
Groups / Hedges that will require pruning	1
Trees to be transplanted	0
Groups / Hedges to be transplanted	0

Arboricultural Impacts

No.	Species	Proposed structure	Incursion
T8	Aspen	Fencing	RPA

Tree Work Schedule

No.	Species	Works	Category
T1	Goat willow	Fell to ground level remove stump	C1
T2	Aspen	Fell to ground level remove stump	C1
T3	Aspen	Prune to give 1.5m clearance from fencing	C1
G1	Goat willow	Fell to ground level remove stumps	C1
G2	Yew	Fell to ground level remove stumps	C1
G3	Goat willow	Fell to ground level remove stumps	C1
G4	Yew	Fell to ground level remove stumps	C1
G5	Yew	Prune to give 1.5m clearance from fencing	C1

All tree work is to be undertaken in accordance with British Standard BS 3998:2010 'Tree work - Recommendations'.
All arising's are to be removed and the site is to be left as found.
Care is to be taken of the ground around retained trees to make sure that it does not become compacted as a result of tree surgery operations. No equipment or vehicles such as timber lorries, tractors, excavators or cranes shall be parked or driven beneath the crowns of any retained trees, to prevent subsequent compaction and root death.

No. of individual trees to be removed

U	V	W	X
0	0	0	2

No. of groups / hedges to be removed

U	V	W	X
0 (R)	0 (R)	0 (R)	4 (R)

(R) = Partial removal of a group

Arboricultural Method Statement

All tree work is to be undertaken in accordance with British Standard BS 3998:2010 'Tree work - Recommendations'.
Please refer to ArborTech Consulting Ltd. Tree Schedule, Arboricultural Method Statement and Tree Protection Plan for full details of all surveyed trees and how all aspects of the development may be implemented without detriment to retained trees.

ARBTECH

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Project:

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Rhosyllen,
Wrexham,
LL14 4HY.

Client:

Pelagic Energy

Drawing:

Arboricultural Impact Assessment

Based on:

General Arrangement 2658-02-SK002

Drawing No:

Arbtech AIA 01

Date:

May 2021

Scale:

1:200 @ A0

Rev:

A

Drawn:

AST

Key:

Tree Nos.	T3	Tree Categories	Thurles	
RPAs	Category 'U' trees	Category 'V' groups		
Category 'U' trees	Category 'U' groups	Tree to be removed		
Incursion - Fences				

Notes:

All incursions are to be undertaken in accordance with the British Standard BS 5837:2012 'Trees in relation to design, demolition and construction - Recommendations'.
The drawings are to be used as a guide only and do not constitute a contract. The drawings are to be used in conjunction with the Arboricultural Method Statement and Tree Protection Plan.
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