

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 m² which should be left undisturbed around each retained tree.

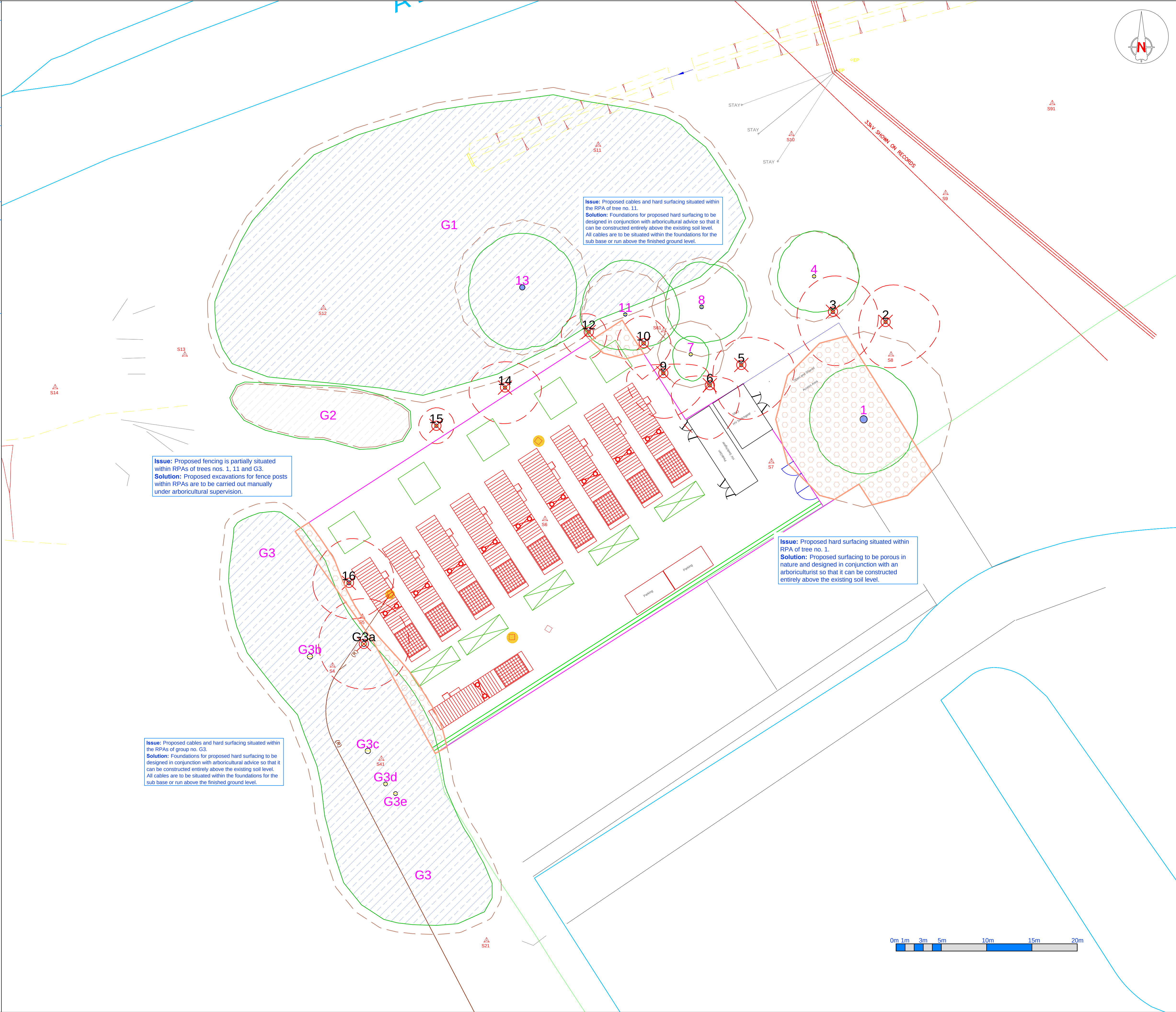
The RPA is calculated using the British Standard BS 5837:2012 'Trees in relation to design, demolition and construction - Recommendations'.

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.

Hard surfacing within RPAs

Multi-dimensional 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-axial geo-grid (tensar Trivex 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 strength 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.



Arboricultural Impacts

Impacts	Nos. of trees
Trees to be removed	11
Groups to be removed	0
Trees with proposed incursions into RPAs	2
Groups with proposed incursions into RPAs	1
Trees that will require pruning	2
Groups that will require pruning	1

Arboricultural Impacts

No.	Species	Proposed structure	Incursion
1	Poplar	Hard surfacing	Canopy / RPA
11	Sycamore	Hard surfacing	Canopy / RPA
G3	Various	Hard surfacing	Canopy / RPA

Tree Work Schedule

No.	Species	Works	Category
1	Poplar	Crown lift / reduce to give 5m clearance above the proposed hard surfacing	B
2	Norway maple	Fell to ground level, grind stump	C
3	Norway maple	Fell to ground level, grind stump	C
5	Norway maple	Fell to ground level, grind stump	C
6	Norway maple	Fell to ground level, grind stump	C
9	Norway maple	Fell to ground level, grind stump	C
10	Sycamore	Fell to ground level, grind stump	C
11	Sycamore	Crown lift / reduce to give 4m clearance above the proposed hard surfacing	C
12	Sycamore	Fell to ground level, grind stump	C
14	Sycamore	Fell to ground level, grind stump	C
15	Sycamore	Fell to ground level, grind stump	C
16	White willow	Fell to ground level, grind stump	B
G3a	White willow	Fell to ground level, grind stump	B
G3	Various	Crown lift / reduce to give 4m clearance above the proposed hard surfacing	B

All tree work is to be undertaken in accordance with British Standard BS 3998:2010 Tree work - Recommendations.
All arisings 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	A	B	C
0	0	2	9

No. of groups to be removed

U	A	B	C
0	0	0	0

Arboricultural Method Statement

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

ARBTECH

Consulting Limited

Project:

Land off
Harts Farm Way
Havant
Hampshire
PO9 1HS

Client:

Peak Gen Power Ltd.

Drawing:

Arboricultural Impact Assessment

Based on:

HV-SP-02-Rev F

Drawing No:

Arbttech AIA 01

Rev:

Date:

Oct 2014

Scale:

1:200 @ A1

Drawn:

AST

Key:

Tree Nos.:	1	Tree Canopies:	Trunks:	
RPAs:	Category 'B' groups:	Category 'C' groups:	Category 'C' groups:	
Category 'B' trees:	Category 'C' trees:	Trees to be removed:		
Incursions:				

All dimensions should be checked on site. No dimensions are to be scaled from this drawing.
Please verify on all drawings that the dimensions are to be scaled from this drawing.
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 design 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.

E: Arbttech Consulting Ltd. 2014