

TREE SURVEY

EMSWORTH SUBSTATION

PREPARED FOR



Scottish and Southern
Energy

Power Distribution

REF: 24034/500

DATE: 9TH FEBURARY 2015

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1.0 INTRODUCTION

1.1 Site: Emsworth Sub-Station, Land between New Brighton Road, Emsworth, Hampshire.

Accessed via public footpath on Seagull Lane.

1.2 Date: 4th February 2015

1.3 Weather Conditions: Clear

1.4 This survey has been commissioned by Scottish and Southern Power Distribution in response to a request by Havant Borough Council relating to planning application APP/14/00672 first submitted in June 2014.

1.5 The aim of this tree survey is to identify the trees that may be affected by the construction proposed in planning application APP/14/00672. The survey was conducted in accordance with BS5837: 2012; Trees in Relation to Construction.

1.6 Whilst the report aims to accurately identify the trees on this site it is not an arboricultural report.

1.7 A tree survey is generally considered invalid in planning terms after 2 years, but changes in tree condition may occur at any time, particularly after acute (e.g. storm events) or prolonged (e.g. drought) environmental stresses or injuries (e.g. root severance).

Prior to the tree survey, an ecological assessment was conducted by ADAS UK Ltd in September 2014. The assessment concluded there were no protected or notable species on the site. Within this report a previous dedicated reptile survey by Aluco Ecology in 2008 found Slow-worm, Common Lizard and Grass Snake on the site, non of which are protected.

2.0 LIMITATIONS

- 2.1 The trees were inspected from ground level using visual observation methods.
- 2.2 Trees are living organisms whose health and condition can change rapidly. The health, condition and safety of the tree therefore should be checked on a regular basis, preferably once a year. This report is only valid for a period of one year. The period of validity may be reduced in the case of any change in condition to the trees.

3.0 TREE SURVEY NOTES INCLUDING DEFINITION OF TERMS

- 3.1 The trees have been numbered from the east side of the concrete base in a clockwise direction starting with T1 through to T22. The hedgerow to the north of the site has been denoted as Hedgerow One. Refer to Appendix One for the table of observations and Appendix Two for the site plan.
- 3.2 The height of the trees was estimated based on the known height of trees T4, T5, T6, T11, T12, T16 and T19.
- 3.3 Where possible the bole diameter was taken at 1500mm above the base. The diameters of multiboled trees was not recorded.
- 3.4 The condition of each tree was based on visual inspection. The categories are Good/healthy (A), Satisfactory (B), Deteriorating (C), Poor specimen (D), Dead (E).
- 3.5 The age class of each tree is estimated based on its expected life span in its given situation taking into account any defects, the form of the tree etc. The categories are Young (Y), Early Mature (EM – less than 1/3 of expected life span), Mature (M 1/3 to 2/3 of expected life span), Late Mature (LM – more than 2/3 of expected life span) and Veteran (V).
- 3.6 Throughout the survey only the common names of the trees have been used, see table 3.6.1 below botanical names.

Common Name	Botanical Name
Ash	Fraxinus excelsior
Blackthorn	Prunus spinosa
Bramble	Rubus fruticosus agg
Dog Rose	Rosa Canina
Elder	Sambucus nigra
Hawthorn	Crataegus monogyna
Italian Alder	Alnus Cordata
Sycamore	Acer pseudoplatanus
Wild Cherry	Prunus avium
Willow	Salix

3.6.1 Table 1 – Botanical Name

4.0 OBSERVATIONS

- 4.1 For trees T1 to T22 see Appendix One for the Table of Observations and Appendix Two for the Tree Survey Plan.
- 4.2 Hedgerow One to the north of the proposed development consists mainly of young Italian Alder with Bramble, Hawthorn and the occasional Dog Rose. The proposed developments includes for installation of a palisade fencing which will abut this hedgerow. The palisade fencing will require 300mm x 300mm x 600mm deep post foundations at 3000mm centres. The fencing will be 2400mm high and therefore will require the south facing elevation of the trees to be trimmed.
- 4.3 The Alders which make up the majority of the hedgerow can potentially grow up to 18 metres high and are classed as a medium water demand.
- 4.4 All parts of the development which could potentially be at risk of foundation damage will be either further enough away or deep enough as recommended by the NHBC that they will not pose a risk at less than 7 metres away recommended by the NHBC or at the correct depth also recommended by the NHBC.
- 4.5 The proposed development will require tree numbers T17, T20, T21 and T22 to be removed.

APPENDIX ONE

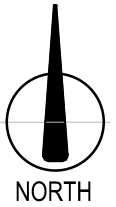
24034/501 - Table of Observations

Tree No.	Species	Height (m)	Diameter (mm)	Single / Multiboled (S/M)	Condition (A, B, C, D, E)	Comment	Age Class (Y,EM,M,LM,V)
T1	Ash	8	-	M	A	Multiboled from approximately 750mm. Signs of abrasive scarring. Barbed wire attached to the tree, which has started to grow in to the bark	Y
T2	Italian Alder	7	640	S	C	Brown fungus growing on bark. Barbed wire attached to the tree, which has started to grow in to the bark	Y
T3	Italian Alder	7	120	S	A		Y
T4	Blackthorn	4	-	M	A		M
T5	Hawthorn	6	200	S	A	Covered in very mature dead Ivy	M
T6	Elder	6	-	M	A		M
T7	Elder	3	-	M	A		EM
T8	Italian Alder	8	-	M	A	Covered in Ivy	EM
T9	Hawthorn	7	-	M	B	Covered in Ivy and Lichens	EM
T10	Blackthorn	3	-	M	A	Covered in Ivy	Y
T11	Sycamore	8	-	M	A	Multiboled from approximately 250mm. Ivy growing up one side of the trunk	M
T12	Blackthorn	8	-	M	B	Covered in Ivy	Y
T13	Wild Cherry	5	560	S	A	Small amount of Ivy growth around base. Scarring on bark.	EM
T14	Hawthorn	3	-	M	B	Covered in Ivy, Brambles and Lichens	EM
T15	Hawthorn	4	-	M	B	Covered in Ivy, Brambles and Lichens	EM
T16	Italian Alder	12	960	S	A	Covered in Ivy	M
T17	Ash	7	650	S	A		EM
T18	Willow	6	-	M	C	Loose bark	Y
T19	Ash	9	840	S	A		M
T20	Hawthorn	4	-	-	D	Covered in brambles, unable to measure diameter. Tree looks to be in poor condition.	M
T21	Hawthorn	4	-	M	A		EM
T22	Elder	3	-	M	B		Y

APPENDIX TWO

24034/502 - Site Plan

This plan should be read in conjunction
with document 24034/500 Tree Survey
- Emsworth Substation.



Key	
—	Site Location
—	Proposed Palisade Fence
T20	Tree Reference

Rev	Date	Amendment	By
-	-	-	-

Drg Status FOR INFORMATION

Project and Building Consultancy

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Project

Emsworth Sub-Station
Land between New Brighton Road
Emsworth, Hampshire

Client

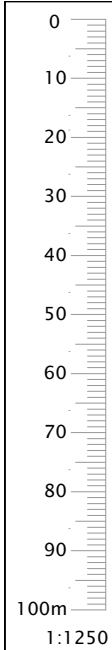


Drawing

Tree Survey - Plan

Scale	1:250 @ A3		
Drawn By	JC	Date	Feb '15
Approved By	IP	Date	Feb '15
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CLUTTONS



Tree Survey
SCALE 1:250

