

Tree Surveys

BS5837 – Pre Planning – Mortgage – Risk Management

BS 5837:2012 TREE SURVEY FOR WOODCROFT PRIMARY SCHOOL



**Prepared on instructions from:
David Ryder
Group Engineer
Engineering Consultancy
Hampshire County Council
The Castle
Winchester SO23 8UD**

Ref: SPH/PS/5837-01/20.07

27th July 2015



Tree Surveys

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Unit H Bridge Farm
Reading Road
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Reading
Berkshire
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Summary

We inspected all the trees within the scope of the Task Order, using information supplied by Hampshire County Council for reference. The tree details are contained in a schedule included at Appendix 1.

Forty nine individual trees and two hedgerows were assessed in accordance with the cascade chart for tree quality (Table 1: Section 4) of British Standard (BS) 5837:2012. Thirteen trees and one hedgerow are in Category 'B' "Trees of moderate quality" twenty three trees and one hedgerow are in Category 'C' "Trees of low quality" and thirteen trees are in Category 'U' "Trees in such a condition that they cannot realistically be retained as living trees in the context of the current land use for longer than 10 years".

Mitigation will be required to demonstrate how the retained trees root protection areas (RPAs) will be protected during any development, including access to the proposed development area. The RPAs and tree protection barrier location are shown on the drawing included at Appendix 3.

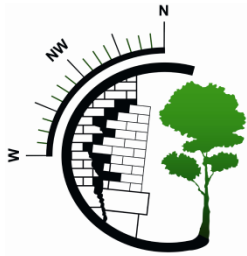
1. Introduction

1.1 Instructions

- 1.1.1 We are instructed by Atkins on behalf of David Ryder, Group Engineer, Hampshire County Council to visit Woodcroft Primary School and survey the trees as indicated on the Task Order for a forthcoming planning application.
- 1.1.2 The trees were surveyed in accordance with 'British Standard (BS) 5837:2012' a guide for 'Trees In Relation To Design, Demolition and Construction - Recommendations' (Section 4).

1.2 Validation

- 1.2.1 In accordance with the *Department for Communities and Local Government (DCLG) Circular 03/2010* document *Guidance on Information Requirements and Validation*, this report fulfils the recommended national listed criteria for tree survey information. It does not include an arboricultural method statement for the proposed development.
 - A tree survey, undertaken by a qualified arboriculturist, and tree schedule, included at Appendix 1.
 - A drawing at 1:200 scale with a north point, indicating the tree locations and colour coded, ref: SPH/PS/5837-01/20.07 included at Appendix 2.
 - The root protection area and tree protection barrier location drawing, ref: SPH/PS/RPA-01/20.07 included at Appendix 3.
 - A shade constraints drawing, ref: SPH/PS/SC-01/20.07 included at Appendix 4.
- 1.2.2 Legal status of the trees: The trees are not subject to tree preservation orders and the site is not within a Conservation Area.



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2. Scope of this report

- 2.1 The purpose of this report is to quantify the trees most likely to be impacted upon by the development proposal, and to highlight how potential damage to them may be avoided.
- 2.2 This tree survey provides the basic data on the trees implicated in a forthcoming planning application. It does not set out to put arguments for or against the development. It does set out how to decide upon the retention of the trees, means of protecting the retained trees during development and on means of incorporating the trees into the developed landscape, along with appropriate management and protective measures.
- 2.3 The primary purpose of this report is for the client and council to review the information provided and use it for the purpose of considering a planning application or engaging in further discussions towards the same end. The information is provided on the basis that it will be available to people other than arboriculturists i.e. those without specialist knowledge of the subject.

3. Site visit and the collection of data

3.1 Site visit

- 3.1.1 The trees were surveyed by Paul Sweetman Tech Cert (Arbor A) on Monday 20th July 2015. The trees were inspected from ground level and without any form of detailed investigations; binoculars were used to aid the inspection process. The measurements we undertook on site were made with the aid of a rounded down diameter tape and TruPulse™ laser hypsometer. The trees were not tagged as they are easily identified on site.

3.2 The trees

- 3.2.1 We surveyed forty nine individual trees and two hedgerows with stem diameters of 75 millimetres and above. The tree details have been entered into a tree schedule included at Appendix 1.
- 3.2.2 For ease of identification the trees are shown on the tree location drawing ref: SPH/PS/5837-01/20.07 and have been allocated numbers. These numbers are cross-referenced within the BS 5837 survey schedule.
- 3.2.3 In making our assessment, consideration has been given to:
 - The health, vigour and condition of the trees
 - Any structural defects and safe life expectancy
 - The size and form of the trees
 - The rare, unusual or component part of a formal feature
 - Groups or individual trees that provide definite screening or softening effect
 - Trees forming distinct landscape features.



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4. Constraints

4.1 Ecological constraints

- 4.1.1 The Wildlife and Countryside Act 1981, as amended by the Countryside and Rights of Way Act 2000 and The Conservation of Habitats and Species Regulations 2010 (as amended) provides statutory protection to birds, bats, and other tree dwelling species. They could impose significant constraints on the use and timing of any tree matters considered in this report.

4.2 Root protection areas (RPAs)

- 4.2.1 Using BS 5837:2012 the RPAs have been calculated for the trees by reference to section 4.6.1 (a) and/or (b). The RPA is frequently described as a circle with a radius of prescribed distance within which no unspecified activity should occur and a high level of care is needed during any activities that are authorised within them, if they are to be successfully retained.
- 4.2.2 Specified intrusions into the RPA can take place only where the ground is adequately protected in accordance with the requirements of section 6 (6.2.3.3) of the BS or as may be agreed with the Local Planning Authority (LPA). We have plotted the RPAs as dodecagons taking account of the site constraints on drawing SPH/PS/RPA-01/20.07.
- 4.2.3 The shape and position of the RPA may only be modified by an arboriculturist to meet the pre-existing site conditions or other factors that indicate that rooting has occurred asymmetrically. In all cases the trees are open grown and there are no constraints to rooting. All RPAs are shown including those trees in category 'U', as many of the RPAs overlap if the category 'U' trees are removed their RPA may be covered by adjacent trees.

4.3 Tree Shade Constraints

- 4.3.1 Living conditions may be significantly affected by the loss of daylight as a result of tree shade, whilst either shade or sunlight might be desirable, depending on the potential use; the design should avoid unreasonable obstruction of light. The shade constraints posed by the trees are plotted onto drawing ref: SPH/PS/SC-01/20.07 included at Appendix 4.

5. Tree protective measures

- 5.1 In terms of tree protection barriers the accompanying drawing reference AS/PS/RPA-01/20.07 shows the RPAs and default tree protection location required prior to and during the construction activities.
- 5.2 The tree protection barrier is designed to provide construction exclusion zones around the RPAs of all trees to be retained.
- 5.3 The tree protection fencing should be fit for the purpose of excluding construction activity and appropriate to the degree and proximity of work taking place around the retained trees. The default specification for protective barriers is that specified in BS 5837:2012 Figure 2, section 6. A copy of Figure 2 is reproduced at Appendix 5.



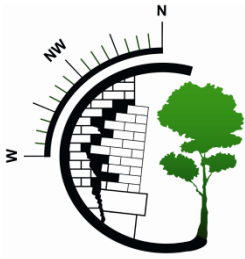
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- 5.4 The recommended position of the tree protective fencing is shown on the red dashed line on drawing SPH/PS/RPA-01/20.07.

6. Tree Survey Key

No:	Tree number on survey drawing
Species:	Common/English and or Latin name
Height:	Height in metres above ground level
Number of stems:	Single stem, or number of stems if more than one
Canopy spread:	In metres taken at the four cardinal points (N.E.S.W.)
Diameter:	In millimetres measured in accordance with BS 5837 2012
Height & direction of 1st branch:	In metres and by cardinal compass points. This can be found on the detailed tree assessment
Age class:	Young Semi-mature Early-mature Mature Over-mature
Root protection area:	In square metres and the nominal radius of a circle required to achieve this in metres
Health - Physiological Condition (Phy Con):	Dead Decline Fair Good Poor
Structural Condition: Crown, Stem, Basal Area:	Good Fair Poor Ivy
Survey Comment:	i.e. Further investigation, aerial inspection, decay detection, wildlife study
Estimated Remaining Contribution (ERC) in years:	i.e. less than 10, 10 to 20, 20 to 40, 40+
Category Grading:	Code U Trees unsuitable for retention RED Code A High quality category GREEN Code B Moderate category BLUE Code C Low category GREY



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7. Queries

Any queries regarding this tree survey should be addressed, in the first instance, to Tree Surveys:

Tree Surveys
Unit H, Bridge Farm
Reading Road
Arborfield
Berkshire RG2 9HT

Telephone: 0118 9762 902
Mobile: 07786 162202
Email: info@tree-surveys.com

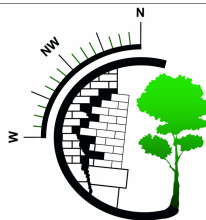
Simon Holmes MSc
Chartered Consultant
Tree Surveys



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APPENDIX 1



Tree Surveys

Unit H Bridge Farm
Reading Road
Arborfield
Berkshire
RG2 9HT

Phone: 0118 976 2902
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info@tree-surveys.com

BS5837:2012 Assessment

Tree ID : 1				Tag :				Assessor : Paul Sweetman				Bats : No									
Species : Common Oak <i>Quercus robur</i>				TPO :				Inspected : 20 July 2015				Cons Area :									
								Next Insp : Not Required													
								1st Branch: 5 S													
Stems				Health				RP				Clearance (m)				Spread (m)					
H (m)	No	Ø (mm)	Maturity	Crown	Stem	Basal	Phy Con	Cat	ERC	A (m²)	R (m)	Site Status	Priority	N	E	S	W	N	E	S	W
18	1	640	Mature	Good	Fair	Fair	Good	B.2	>40 yrs	185.3	7.68	Pre Construction		3	2.5	2.5	3	7	7	9	7
Survey Comment : Basal wound north east side 500mm x 700mm																					
Tree Comment :																					

Tree ID : 2				Tag :				Assessor : Paul Sweetman				Bats : Yes									
Species : Common Oak <i>Quercus robur</i>				TPO :				Inspected : 20 July 2015				Cons Area :									
								Next Insp : Not Required													
								1st Branch: 7 W													
Stems				Health				RP				Clearance (m)				Spread (m)					
H (m)	No	Ø (mm)	Maturity	Crown	Stem	Basal	Phy Con	Cat	ERC	A (m²)	R (m)	Site Status	Priority	N	E	S	W	N	E	S	W
19	1	790	Mature	Fair	Fair	Fair	Fair	B.2	20 to 40 yrs	282.4	9.48	Pre Construction		12	9	9	12	4	5	7	8
Survey Comment : Deadwood above track																					
Tree Comment :																					

BS5837:2012 Assessment

Tree ID : 3				Tag :				Assessor : Paul Sweetman				Bats : Yes			
Species : Common Oak <i>Quercus robur</i>				TPO :				Inspected : 20 July 2015				Cons Area :			
								Next Insp : Not Required							
								1st Branch: 5 W							
												</			

BS5837:2012 Assessment

Tree ID : 6				Tag :				Assessor : Paul Sweetman				Bats : Yes			
Species : Common Oak <i>Quercus robur</i>				TPO :				Inspected : 20 July 2015				Cons Area :			
								Next Insp : Not Required							
								1st Branch: 2 W							
												</			

BS5837:2012 Assessment

Tree ID : 9				Tag :				Assessor : Paul Sweetman				Bats : Yes							
Species : Common Oak <i>Quercus robur</i>				TPO :				Inspected : 20 July 2015				Cons Area :							
								Next Insp : Not Required											
								1st Branch: 4 S											
Stems				Health				RP				Clearance (m)				Spread (m)			
H (m)	No	Ø (mm)	Maturity	Crown	Stem	Basal	Phy Con	Cat	ERC	A (m²)	R (m)	Site Status	Priority	N	E	S	W		
19	1	860	Mature	Poor	Ivy	Fair	Decline	C.2	20 to 40 yrs	334.6	10.32	Pre Construction		6	2	2	3		
Survey Comment : Suppressed canopy																			
Tree Comment :																			

Tree ID : 10				Tag :				Assessor : Paul Sweetman				Bats : No							
Species : Common Oak <i>Quercus robur</i>				TPO :				Inspected : 20 July 2015				Cons Area :							
								Next Insp : Not Required											
								1st Branch: 10 E											
Stems				Health				RP				Clearance (m)				Spread (m)			
H (m)	No	Ø (mm)	Maturity	Crown	Stem	Basal	Phy Con	Cat	ERC	A (m²)	R (m)	Site Status	Priority	N	E	S	W		
17	1	560	Mature	Poor	Poor	Poor	Poor	U.2	<10 yrs	141.9	6.72	Pre Construction		12	12	12	12		
Survey Comment : Large basal wound																			
Tree Comment :																			

Tree ID : 11				Tag :				Assessor : Paul Sweetman				Bats : Yes							
Species : Common Oak <i>Quercus robur</i>				TPO :				Inspected : 20 July 2015				Cons Area :							
								Next Insp : Not Required											
								1st Branch: 10 S											
Stems				Health				RP				Clearance (m)				Spread (m)			
H (m)	No	Ø (mm)	Maturity	Crown	Stem	Basal	Phy Con	Cat	ERC	A (m²)	R (m)	Site Status	Priority	N	E	S	W		
18	1	470	Mature	Good	Ivy	Fair	Fair	C.2	20 to 40 yrs	99.9	5.63	Pre Construction		14	12	12	12		
Survey Comment : Ivy clad																			
Tree Comment :																			

BS5837:2012 Assessment

Tree ID : 12				Tag :				Assessor : Paul Sweetman				Bats : Yes							
Species : Common Oak <i>Quercus robur</i>				TPO :				Inspected : 20 July 2015				Cons Area :							
								Next Insp : Not Required											
								1st Branch: 4 N											
-----Stems-----				-----Health-----				-----RP-----				-----Clearance (m)-----				-----Spread (m)-----			
H (m)	No	Eq Ø (mm)	Maturity	Crown	Stem	Basal	Phy Con	Cat	ERC	A (m²)	R (m)	Site Status	Priority	N	E	S	W		
20	2	481	Mature	Poor	Ivy	Fair		U.2	10 to 20 yrs	104.7	5.77	Pre Construction		3	14	15	15		
Survey Comment : Ivy clad																			
Tree Comment :																			

Tree ID : 13				Tag :				Assessor : Paul Sweetman				Bats : Yes							
Species : Common Oak <i>Quercus robur</i>				TPO :				Inspected : 20 July 2015				Cons Area :							
								Next Insp : Not Required											
								1st Branch: 7 S											
-----Stems-----				-----Health-----				-----RP-----				-----Clearance (m)-----				-----Spread (m)-----			
H (m)	No	Ø (mm)	Maturity	Crown	Stem	Basal	Phy Con	Cat	ERC	A (m²)	R (m)	Site Status	Priority	N	E	S	W		
20	1	500	Mature	Poor	Ivy	Fair	Poor	C.2	10 to 20 yrs	113.1	6	Pre Construction		10	10	6	10		
Survey Comment : Ivy clad. Physiological decline																			
Tree Comment :																			

Tree ID : 14				Tag :				Assessor : Paul Sweetman				Bats : No							
Species : Common Oak <i>Quercus robur</i>				TPO :				Inspected : 20 July 2015				Cons Area :							
								Next Insp : Not Required											
								1st Branch: 5 N											
-----Stems-----				-----Health-----				-----RP-----				-----Clearance (m)-----				-----Spread (m)-----			
H (m)	No	Ø (mm)	Maturity	Crown	Stem	Basal	Phy Con	Cat	ERC	A (m²)	R (m)	Site Status	Priority	N	E	S	W		
19	1	560	Mature	Poor	Fair	Fair	Fair	C.2	10 to 20 yrs	141.9	6.72	Pre Construction		3	6	6	10		
Survey Comment : Physiological decline																			
Tree Comment :																			

BS5837:2012 Assessment

Tree ID : 15								Tag :		Assessor : Paul Sweetman								Bats : Yes			
Species : Common Oak <i>Quercus robur</i>								TPO :						Inspected : 20 July 2015		Cons Area :					
Estimated Measurements								Next Insp : Not Required													
								1st Branch: 6 S													
— Stems —		— Health —				— RP —		— Clearance (m) —				— Spread (m) —									
H (m)	No	Ø (mm)	Maturity	Crown	Stem	Basal	Phy Con	Cat	ERC	A (m²)	R (m)	Site Status	Priority	N	E	S	W	N	E	S	W
16	1	510	Mature	Fair	Ivy	Good	Fair	C.2	10 to 20 yrs	117.7	6.12	Pre Construction		10	8	2	15	1	2	7	2
Survey Comment : Suppressed canopy																					
Tree Comment :																					

Tree ID : 16								Tag :		Assessor : Paul Sweetman								Bats : Yes			
Species : Common Oak <i>Quercus robur</i>								TPO :						Inspected : 20 July 2015				Cons Area :			
								Next Insp : Not Required													
Estimated Measurements								1st Branch: 2 N													
— Stems —				— Health —						— RP —				— Clearance (m) —				— Spread (m) —			
H (m)	No	Ø (mm)	Maturity	Crown	Stem	Basal	Phy Con	Cat	ERC	A (m²)	R (m)	Site Status	Priority	N	E	S	W	N	E	S	W
20	1	890	Mature	Fair	Fair	Fair	Good	B.2	20 to 40 yrs	358.4	10.68	Pre Construction		3	7	3	7	11	8	6	3
Survey Comment : Minor deadwood throughout canopy																					
Tree Comment :																					

Tree ID : 17								Tag :		Assessor : Paul Sweetman								Bats :		No			
Species : Common Oak								TPO :						Inspected : 20 July 2015						Cons Area :			
<i>Quercus robur</i>																							
Estimated Measurements										Next Insp : Not Required													
										1st Branch: 4 S													
— Stems —				— Health —						— RP —				— Clearance (m) —						— Spread (m) —			
H (m)	No	Ø (mm)	Maturity	Crown	Stem	Basal	Phy Con	Cat	ERC	A (m²)	R (m)	Site Status	Priority	N	E	S	W	N	E	S	W		
20	1	480	Mature	Poor	Ivy	Good	Poor	U.2	<10 yrs	104.2	5.75	Pre Construction		8	8	2	4	2	2	6	5		
Survey Comment : None																							
Tree Comment :																							

BS5837:2012 Assessment

Tree ID : 18				Tag :				Assessor : Paul Sweetman				Bats : No									
Species : Common Oak <i>Quercus robur</i>				TPO :				Inspected : 20 July 2015				Cons Area :									
Estimated Measurements												Next Insp : Not Required									
												1st Branch: 5 S									
Stems				Health				RP				Clearance (m)				Spread (m)					
H (m)	No	Ø (mm)	Maturity	Crown	Stem	Basal	Phy Con	Cat	ERC	A (m²)	R (m)	Site Status	Priority	N	E	S	W	N	E	S	W
18	1	620	Mature	Fair	Good	Fair	Poor	U.2	<10 yrs	173.9	7.44	Pre Construction		12	12	2	3	5	3	6	3
Survey Comment : Sparse canopy																					
Tree Comment :																					

Tree ID : 19				Tag :				Assessor : Paul Sweetman				Bats : No									
Species : Common Oak <i>Quercus robur</i>				TPO :				Inspected : 20 July 2015				Cons Area :									
Estimated Measurements								Next Insp : Not Required													
								1st Branch: 4 E													
Stems				Health				RP				Clearance (m)				Spread (m)					
H (m)	No	Ø (mm)	Maturity	Crown	Stem	Basal	Phy Con	Cat	ERC	A (m²)	R (m)	Site Status	Priority	N	E	S	W	N	E	S	W
19	1	640	Mature	Poor	Good	Good	Decline	B.2	10 to 20 yrs	185.3	7.68	Pre Construction		9	4	9	9	10	8	4	6
Survey Comment : None																					
Tree Comment :																					

Tree ID : 20				Tag :				Assessor : Paul Sweetman				Bats : Yes									
Species : Common Oak <i>Quercus robur</i>				TPO :				Inspected : 20 July 2015				Cons Area :									
								Next Insp : Not Required													
								1st Branch: 4 W													
Stems				Health				RP				Clearance (m)				Spread (m)					
H (m)	No	Ø (mm)	Maturity	Crown	Stem	Basal	Phy Con	Cat	ERC	A (m²)	R (m)	Site Status	Priority	N	E	S	W	N	E	S	W
19	1	810	Mature	Fair	Ivy	Fair	Fair	B.2	20 to 40 yrs	296.9	9.72	Pre Construction		2	4	6	3	9	9	8	4
Survey Comment : Ivy clad suppressed tree																					
Tree Comment :																					

BS5837:2012 Assessment

Tree ID : 21				Tag :				Assessor : Paul Sweetman				Bats : No			
Species : Common Oak <i>Quercus robur</i>				TPO :				Inspected : 20 July 2015				Cons Area :			
								Next Insp : Not Required							
Estimated Measurements								1st Branch: 8 N							

-----Stems-----		-----Health-----				-----RP-----		-----Clearance (m)-----				-----Spread (m)-----									
H (m)	No	Ø (mm)	Maturity	Crown	Stem	Basal	Phy Con	Cat	ERC	A (m²)	R (m)	Site Status	Priority	N	E	S	W	N	E	S	W
17	1	440	Mature	Fair	Good	Poor	Fair	C.2	20 to 40 yrs	87.6	5.28	Pre Construction		6	3	3	3	8	1	1	1

Survey Comment : Suppressed tree with basal wound north

Tree Comment :

Tree ID : 22				Tag :				Assessor : Paul Sweetman				Bats : No			
Species : Common Oak <i>Quercus robur</i>				TPO :				Inspected : 20 July 2015				Cons Area :			
								Next Insp : Not Required							
Estimated Measurements								1st Branch: 5 S							

-----Stems-----		-----Health-----				-----RP-----		-----Clearance (m)-----				-----Spread (m)-----									
H (m)	No	Ø (mm)	Maturity	Crown	Stem	Basal	Phy Con	Cat	ERC	A (m²)	R (m)	Site Status	Priority	N	E	S	W	N	E	S	W
20	1	540	Mature	Poor	Ivy	Fair	Poor	C.2	20 to 40 yrs	131.9	6.47	Pre Construction		10	10	2	10	3	2	9	2

Survey Comment : None

Tree Comment :

Tree ID : 23				Tag :				Assessor : Paul Sweetman				Bats : No			
Species : Common Oak <i>Quercus robur</i>				TPO :				Inspected : 20 July 2015				Cons Area :			
								Next Insp : Not Required							
Estimated Measurements								1st Branch: 5 N							

-----Stems-----		-----Health-----				-----RP-----		-----Clearance (m)-----				-----Spread (m)-----									
H (m)	No	Ø (mm)	Maturity	Crown	Stem	Basal	Phy Con	Cat	ERC	A (m²)	R (m)	Site Status	Priority	N	E	S	W	N	E	S	W
20	1	610	Mature	Fair	Fair	Fair	Good	B.2	20 to 40 yrs	168.4	7.32	Pre Construction		8	10	3	4	9	2	4	2

Survey Comment : None

Tree Comment :

BS5837:2012 Assessment

Tree ID : 24				Tag :				Assessor : Paul Sweetman				Bats : No							
Species : Common Oak <i>Quercus robur</i>				TPO :				Inspected : 20 July 2015				Cons Area :							
								Next Insp : Not Required											
								1st Branch: 4 N											
Stems				Health				RP				Clearance (m)				Spread (m)			
H (m)	No	Ø (mm)	Maturity	Crown	Stem	Basal	Phy Con	Cat	ERC	A (m²)	R (m)	Site Status	Priority	N	E	S	W		
8	1	480	Semi-mature	Poor	Poor	Poor	Fair	U.2	10 to 20 yrs	104.2	5.75	Pre Construction		4	4	8	4		
Survey Comment : Stem wound west																			
Tree Comment :																			

Tree ID : 25				Tag :				Assessor : Paul Sweetman				Bats : No							
Species : Common Oak <i>Quercus robur</i>				TPO :				Inspected : 20 July 2015				Cons Area :							
Estimated Measurements								Next Insp : Not Required											
								1st Branch: 4 S											
Stems				Health				RP				Clearance (m)				Spread (m)			
H (m)	No	Ø (mm)	Maturity	Crown	Stem	Basal	Phy Con	Cat	ERC	A (m²)	R (m)	Site Status	Priority	N	E	S	W		
20	1	610	Mature	Poor	Good	Good	Decline	B.2	10 to 20 yrs	168.4	7.32	Pre Construction		10	4	2	3		
Survey Comment : None																			
Tree Comment :																			

Tree ID : 26				Tag :				Assessor : Paul Sweetman				Bats : No							
Species : Common Oak <i>Quercus robur</i>				TPO :				Inspected : 20 July 2015				Cons Area :							
Estimated Measurements								Next Insp : Not Required											
								1st Branch: 3 N											
Stems				Health				RP				Clearance (m)				Spread (m)			
H (m)	No	Ø (mm)	Maturity	Crown	Stem	Basal	Phy Con	Cat	ERC	A (m²)	R (m)	Site Status	Priority	N	E	S	W		
18	1	650	Mature	Fair	Good	Good	Fair	C.2	20 to 40 yrs	191.2	7.8	Pre Construction		4	4	10	4		
Survey Comment : None																			
Tree Comment :																			

BS5837:2012 Assessment

Tree ID : 27				Tag :				Assessor : Paul Sweetman				Bats : Yes							
Species : Common Oak <i>Quercus robur</i>				TPO :				Inspected : 20 July 2015				Cons Area :							
								Next Insp : Not Required											
								1st Branch: 3 S											
Stems				Health				RP				Clearance (m)				Spread (m)			
H (m)	No	Ø (mm)	Maturity	Crown	Stem	Basal	Phy Con	Cat	ERC	A (m²)	R (m)	Site Status	Priority	N	E	S	W		
17	1	730	Mature	Fair	Good	Good	Fair	C.2	20 to 40 yrs	241.1	8.76	Pre Construction		5	5	5	5		
Survey Comment : None																			
Tree Comment :																			

Tree ID : 28				Tag :				Assessor : Paul Sweetman				Bats : Yes							
Species : Common Oak <i>Quercus robur</i>				TPO :				Inspected : 20 July 2015				Cons Area :							
Estimated Measurements								Next Insp : Not Required											
								1st Branch: 2 N											
Stems				Health				RP				Clearance (m)				Spread (m)			
H (m)	No	Ø (mm)	Maturity	Crown	Stem	Basal	Phy Con	Cat	ERC	A (m²)	R (m)	Site Status	Priority	N	E	S	W		
18	1	790	Mature	Fair	Good	Good	Fair	C.2	20 to 40 yrs	282.4	9.48	Pre Construction		4	6	7	4		
Survey Comment : None																			
Tree Comment :																			

Tree ID : 29				Tag :				Assessor : Paul Sweetman				Bats : No							
Species : Common Oak <i>Quercus robur</i>				TPO :				Inspected : 20 July 2015				Cons Area :							
Estimated Measurements								Next Insp : Not Required											
								1st Branch: 5 N											
Stems				Health				RP				Clearance (m)				Spread (m)			
H (m)	No	Ø (mm)	Maturity	Crown	Stem	Basal	Phy Con	Cat	ERC	A (m²)	R (m)	Site Status	Priority	N	E	S	W		
21	1	790	Mature	Fair	Fair	Fair	Decline	C.2	<10 yrs	282.4	9.48	Pre Construction		10	10	10	10		
Survey Comment : Basal adaptive growth																			
Tree Comment :																			

BS5837:2012 Assessment

Tree ID : 30				Tag :				Assessor : Paul Sweetman				Bats : Yes			
Species : Common Oak <i>Quercus robur</i>				TPO :				Inspected : 20 July 2015				Cons Area :			
								Next Insp : Not Required							
Estimated Measurements								1st Branch: 2 E							

-----Stems-----		-----Health-----				-----RP-----		-----Clearance (m)-----				-----Spread (m)-----									
H (m)	No	Ø (mm)	Maturity	Crown	Stem	Basal	Phy Con	Cat	ERC	A (m²)	R (m)	Site Status	Priority	N	E	S	W	N	E	S	W
16	1	800	Mature	Fair	Fair	Fair	Decline	C.2	10 to 20 yrs	289.6	9.6	Pre Construction		4	3	3	3	10	7	6	7

Survey Comment : None

Tree Comment :

Tree ID : 31				Tag :				Assessor : Paul Sweetman				Bats : No			
Species : Common Oak <i>Quercus robur</i>				TPO :				Inspected : 20 July 2015				Cons Area :			
								Next Insp : Not Required							
Estimated Measurements								1st Branch: 5 N							

-----Stems-----		-----Health-----				-----RP-----		-----Clearance (m)-----				-----Spread (m)-----									
H (m)	No	Ø (mm)	Maturity	Crown	Stem	Basal	Phy Con	Cat	ERC	A (m²)	R (m)	Site Status	Priority	N	E	S	W	N	E	S	W
20	1	650	Mature	Fair	Ivy	Fair	Fair	C.2	20 to 40 yrs	191.2	7.8	Pre Construction		3	3	3	3	8	3	8	4

Survey Comment : None

Tree Comment :

Tree ID : 32				Tag :				Assessor : Paul Sweetman				Bats : Yes			
Species : Common Oak <i>Quercus robur</i>				TPO :				Inspected : 20 July 2015				Cons Area :			
								Next Insp : Not Required							
Estimated Measurements								1st Branch: 1.5 N							

-----Stems-----		-----Health-----				-----RP-----		-----Clearance (m)-----				-----Spread (m)-----									
H (m)	No	Ø (mm)	Maturity	Crown	Stem	Basal	Phy Con	Cat	ERC	A (m²)	R (m)	Site Status	Priority	N	E	S	W	N	E	S	W
19	1	810	Mature	Fair	Fair	Good	Fair	B.2	20 to 40 yrs	296.9	9.72	Pre Construction		6	6	3	7	6	6	7	3

Survey Comment : Codominant with stem wound and decay

Tree Comment :

BS5837:2012 Assessment

Tree ID : 33				Tag :				Assessor : Paul Sweetman				Bats : Yes							
Species : Common Oak <i>Quercus robur</i>				TPO :				Inspected : 20 July 2015				Cons Area :							
								Next Insp : Not Required											
								1st Branch: 2.5 N											
Stems				Health				RP				Clearance (m)				Spread (m)			
H (m)	No	Ø (mm)	Maturity	Crown	Stem	Basal	Phy Con	Cat	ERC	A (m²)	R (m)	Site Status	Priority	N	E	S	W		
12	1	600	Mature	Fair	Good	Good	Fair	C.2	10 to 20 yrs	162.9	7.2	Pre Construction		3	4	2	4		
Survey Comment : Suppressed tree																			
Tree Comment :																			

Tree ID : 34				Tag :				Assessor : Paul Sweetman				Bats : No							
Species : Common Oak <i>Quercus robur</i>				TPO :				Inspected : 20 July 2015				Cons Area :							
Estimated Measurements								Next Insp : Not Required											
								1st Branch: 2 S											
Stems				Health				RP				Clearance (m)				Spread (m)			
H (m)	No	Ø (mm)	Maturity	Crown	Stem	Basal	Phy Con	Cat	ERC	A (m²)	R (m)	Site Status	Priority	N	E	S	W		
19	1	880	Mature	Fair	Good	Good	Fair	C.2	10 to 20 yrs	350.4	10.56	Pre Construction		9	4	0	4		
Survey Comment : None																			
Tree Comment :																			

Tree ID : 35				Tag :				Assessor : Paul Sweetman				Bats : No							
Species : Common Oak <i>Quercus robur</i>				TPO :				Inspected : 20 July 2015				Cons Area :							
								Next Insp : Not Required											
								1st Branch: 6 N											
Stems				Health				RP				Clearance (m)				Spread (m)			
H (m)	No	Ø (mm)	Maturity	Crown	Stem	Basal	Phy Con	Cat	ERC	A (m²)	R (m)	Site Status	Priority	N	E	S	W		
19	1	630	Mature	Fair	Ivy	Fair	Fair	C.2	20 to 40 yrs	179.6	7.56	Pre Construction		4	6	6	3		
Survey Comment : Minor deadwood over road																			
Tree Comment :																			

BS5837:2012 Assessment

Tree ID : 36								Tag :		Assessor : Paul Sweetman								Bats : Yes			
Species : Common Oak <i>Quercus robur</i>								TPO :						Inspected : 20 July 2015		Cons Area :					
Estimated Measurements								Next Insp : Not Required													
								1st Branch: 3 N													
—Stems—				—Health—						—RP—				—Clearance (m)—				—Spread (m)—			
H (m)	No	Ø (mm)	Maturity	Crown	Stem	Basal	Phy Con	Cat	ERC	A (m²)	R (m)	Site Status	Priority	N	E	S	W	N	E	S	W
20	1	900	Mature	Good	Ivy	Fair	Good	C.2	20 to 40 yrs	366.5	10.8	Pre Construction		4	4	2	4	5	6	6	2
Survey Comment : None																					
Tree Comment :																					

Tree ID : 37								Tag :		Assessor : Paul Sweetman								Bats :		No	
Species : Common Oak								TPO :						Inspected : 20 July 2015				Cons Area :			
<i>Quercus robur</i>														Next Insp : Not Required							
														1st Branch: 5 N							
—Stems—				—Health—						—RP—				—Clearance (m)—				—Spread (m)—			
H (m)	No	Ø (mm)	Maturity	Crown	Stem	Basal	Phy Con	Cat	ERC	A (m²)	R (m)	Site Status	Priority	N	E	S	W	N	E	S	W
11	1	520	Semi-mature	Poor	Ivy	Fair	Fair	C.2	20 to 40 yrs	122.3	6.23	Pre Construction		6	6	3	6	3	0.1	1	3
Survey Comment : Heavily crown reduced																					
Tree Comment :																					

Tree ID : 38								Tag :				Assessor : Paul Sweetman								Bats : No			
Species : Common Oak <i>Quercus robur</i>								TPO :				Inspected : 20 July 2015				Cons Area :							
												Next Insp : Not Required											
												1st Branch: 6 N											
— Stems —				— Health —						— RP —				— Clearance (m) —				— Spread (m) —					
H (m)	No	Ø (mm)	Maturity	Crown	Stem	Basal	Phy Con	Cat	ERC	A (m²)	R (m)	Site Status	Priority	N	E	S	W	N	E	S	W		
11	1	490	Semi-mature	Poor	Ivy	Fair	Good	U.2	20 to 40 yrs	108.6	5.87	Pre Construction		5	5	5	5	1	2	2	2		
Survey Comment : Heavily crown reduced																							
Tree Comment :																							

BS5837:2012 Assessment

Tree ID : 39				Tag :				Assessor : Paul Sweetman				Bats : No							
Species : Common Oak <i>Quercus robur</i>				TPO :				Inspected : 20 July 2015				Cons Area :							
								Next Insp : Not Required											
								1st Branch: 2.5 E											
-----Stems-----				-----Health-----				-----RP-----				-----Clearance (m)-----				-----Spread (m)-----			
H (m)	No	Eq Ø (mm)	Maturity	Crown	Stem	Basal	Phy Con	Cat	ERC	A (m²)	R (m)	Site Status	Priority	N	E	S	W		
9	3	566	Semi-mature	Poor	Ivy	Fair	Good	U.2	20 to 40 yrs	145	6.79	Pre Construction		2.5	2.5	3	2.5		
Survey Comment : Heavily crown reduced																			
Tree Comment :																			

Tree ID : 40				Tag :				Assessor : Paul Sweetman				Bats :							
Species : Common Oak <i>Quercus robur</i>				TPO :				Inspected : 20 July 2015				Cons Area :							
								Next Insp : Not Required											
								1st Branch: 3.5 N											
-----Stems-----				-----Health-----				-----RP-----				-----Clearance (m)-----				-----Spread (m)-----			
H (m)	No	Eq Ø (mm)	Maturity	Crown	Stem	Basal	Phy Con	Cat	ERC	A (m²)	R (m)	Site Status	Priority	N	E	S	W		
8	3	464	Veteran	Poor	Ivy	Fair	Good	U.2	20 to 40 yrs	97.5	5.57	Pre Construction		3	3	3	3		
Survey Comment : None																			
Tree Comment :																			

Tree ID : 41				Tag :				Assessor : Paul Sweetman				Bats : No							
Species : Common Oak <i>Quercus robur</i>				TPO :				Inspected : 20 July 2015				Cons Area :							
								Next Insp : Not Required											
								1st Branch: 3 N											
-----Stems-----				-----Health-----				-----RP-----				-----Clearance (m)-----				-----Spread (m)-----			
H (m)	No	Eq Ø (mm)	Maturity	Crown	Stem	Basal	Phy Con	Cat	ERC	A (m²)	R (m)	Site Status	Priority	N	E	S	W		
7	2	597	Mature	Poor	Ivy	Fair	Good	U.2	20 to 40 yrs	161.1	7.16	Pre Construction		3	3	3	3		
Survey Comment : None																			
Tree Comment :																			

BS5837:2012 Assessment

Tree ID : 42				Tag :				Assessor : Paul Sweetman				Bats : No							
Species : A Hedgerow - <i>Unknown</i>				TPO :				Inspected : 20 July 2015				Cons Area :							
								Next Insp : Not Required											
								1st Branch: 0.1 N											
Stems				Health				RP				Clearance (m)				Spread (m)			
H (m)	No	Ø (mm)	Maturity	Crown	Stem	Basal	Phy Con	Cat	ERC	A (m²)	R (m)	Site Status	Priority	N	E	S	W		
4	1	60		Good	Good	Good	Good	C.2	20 to 40 yrs	1.6	0.71	Pre Construction		0.1	0.1	0.1	0.1		
Survey Comment : None																			
Tree Comment :																			

Tree ID : 43				Tag :				Assessor : Paul Sweetman				Bats : Yes							
Species : Common Oak <i>Quercus robur</i>				TPO :				Inspected : 20 July 2015				Cons Area :							
								Next Insp : Not Required											
								1st Branch: 2 N											
Stems				Health				RP				Clearance (m)				Spread (m)			
H (m)	No	Ø (mm)	Maturity	Crown	Stem	Basal	Phy Con	Cat	ERC	A (m²)	R (m)	Site Status	Priority	N	E	S	W		
20	1	900	Mature	Fair	Good	Good	Fair	C.2	20 to 40 yrs	366.5	10.8	Pre Construction		6	5	5	2		
Survey Comment : None																			
Tree Comment :																			

Tree ID : 44				Tag :				Assessor : Paul Sweetman				Bats : No							
Species : Common Oak <i>Quercus robur</i>				TPO :				Inspected : 20 July 2015				Cons Area :							
Estimated Measurements								Next Insp : Not Required											
								1st Branch: 3 S											
Stems				Health				RP				Clearance (m)				Spread (m)			
H (m)	No	Ø (mm)	Maturity	Crown	Stem	Basal	Phy Con	Cat	ERC	A (m²)	R (m)	Site Status	Priority	N	E	S	W		
16	1	640	Mature	Fair	Good	Good	Fair	C.2	10 to 20 yrs	185.3	7.68	Pre Construction		8	5	5	3		
Survey Comment : None																			
Tree Comment :																			

BS5837:2012 Assessment

Tree ID : 45				Tag :				Assessor : Paul Sweetman				Bats : No			
Species : Common Oak <i>Quercus robur</i>				TPO :				Inspected : 07 August 2015				Cons Area :			
								Next Insp : Not Required							
								1st Branch: 3 S							

BS5837:2012 Assessment

Tree ID : 48								Tag :				Assessor : Paul Sweetman				Bats :					
Species : Common Oak <i>Quercus robur</i>								TPO :				Inspected : 07 August 2015				Cons Area :					
Estimated Measurements												Next Insp : Not Required									
												1st Branch: 4 S									
—Stems—				—Health—						—RP—				—Clearance (m)—				—Spread (m)—			
H (m)	No	Ø (mm)	Maturity	Crown	Stem	Basal	Phy Con	Cat	ERC	A (m²)	R (m)	Site Status	Priority	N	E	S	W	N	E	S	W
17	1	500	Mature	Poor	Fair	Poor	Fair	C.2	20 to 40 yrs	113.1	6	Pre Construction		7	7	4	7	6	5	7	4
Survey Comment : Historic crown reduction																					
Tree Comment :																					

Tree ID : 49								Tag :		Assessor : Paul Sweetman								Bats :			
Species : Common Oak <i>Quercus robur</i>								TPO :						Inspected : 07 August 2015				Cons Area :			
								Next Insp : Not Required													
Estimated Measurements								1st Branch: 2.5 S													
—Stems—				—Health—						—RP—				—Clearance (m)—				—Spread (m)—			
H (m)	No	Ø (mm)	Maturity	Crown	Stem	Basal	Phy Con	Cat	ERC	A (m²)	R (m)	Site Status	Priority	N	E	S	W	N	E	S	W
20	1	610	Mature	Poor	Good	Good	Decline	C.2	10 to 20 yrs	168.4	7.32	Pre Construction		5	5	2	5	5	3.5	5	5
Survey Comment : Physiological decline																					
Tree Comment :																					

Tree ID : 50								Tag :		Assessor : Paul Sweetman								Bats :		No	
Species : Common Oak <i>Quercus robur</i>								TPO :						Inspected : 07 August 2015		Cons Area :					
								Next Insp : Not Required													
								1st Branch: 4 S													
—Stems—				—Health—						—RP—				—Clearance (m)—		—Spread (m)—					
H (m)	No	Ø (mm)	Maturity	Crown	Stem	Basal	Phy Con	Cat	ERC	A (m²)	R (m)	Site Status	Priority	N	E	S	W	N	E	S	W
8	1	330	Mature	Fair	Ivy	Good	Good	B.2	20 to 40 yrs	49.3	3.96	Pre Construction		6	6	1.5	6	3	5	7	2
Survey Comment : Suppressed																					
Tree Comment :																					

BS5837:2012 Assessment

Tree ID : 51

Tag :

Assessor : Paul Sweetman

Bats :

Species : Common Oak
Quercus robur

TPO :

Inspected : 07 August 2015

Cons Area :

Next Insp : Not Required

Estimated Measurements

1st Branch: 1.5 S

Stems			Health						RP		Clearance (m)				Spread (m)						
H (m)	No	Ø (mm)	Maturity	Crown	Stem	Basal	Phy Con	Cat	ERC	A (m²)	R (m)	Site Status	Priority	N	E	S	W	N	E	S	W
4	1	130	Young	Poor	Fair	Good	Good	U.2	<10 yrs	7.6	1.55	Pre Construction		4	4	0.1	4	0.1	1	6	1

Survey Comment : Suppressed

Tree Comment :

BS5837:2012 Assessment

Report selection criteria.

Projects.

Woodcroft Primary School V2

Date Range.

Any Date

Work types.

----> -No Selection made-

Latest Survey.

All surveys for the selected trees.

---> Last survey for each selected tree.

Work Completed.

---> Work Completed

---> Work Not Completed

Number of trees in selected Project(s) **51**

Number of trees in Report selection **51**



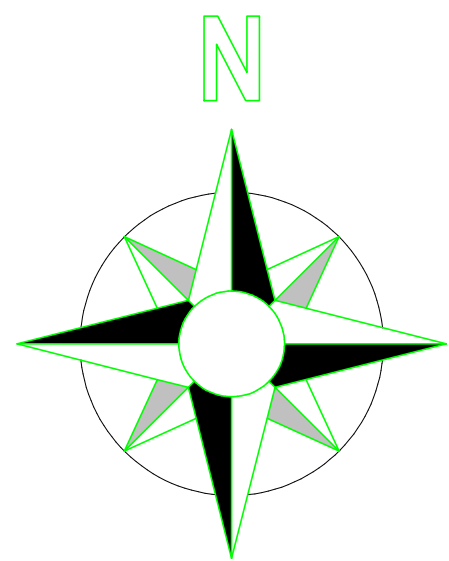
Tree Surveys

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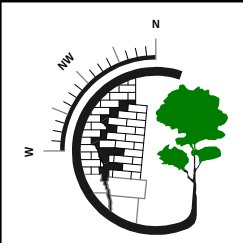
APPENDIX 2



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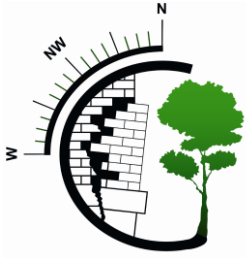


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Client HAMPSHIRE COUNTY COUNCIL
Job Title WOODCROFT PRIMARY SCHOOL

Drawing Title
TREE LOCATIONS

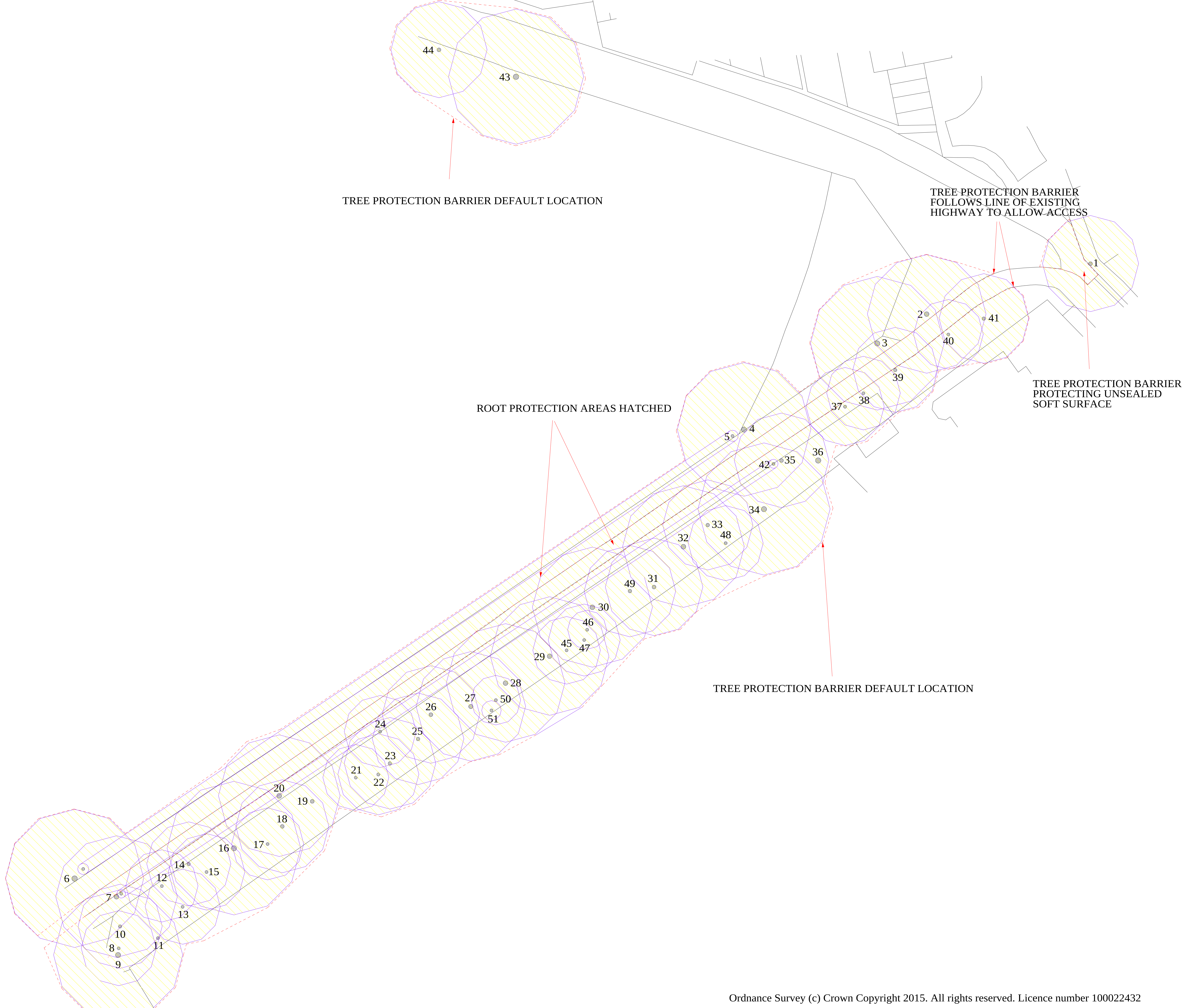
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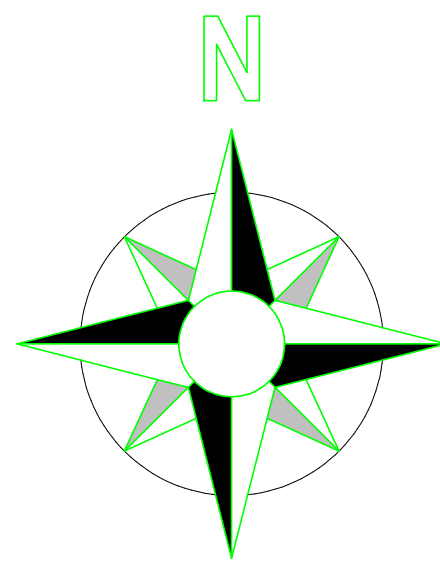
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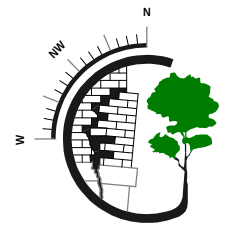
APPENDIX 3



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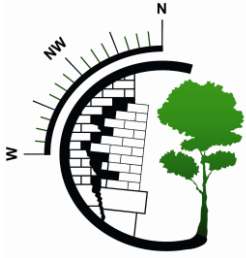


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Job Title WOODCROFT PRIMARY SCHOOL

Drawing Title
ROOT PROTECTION AREAS

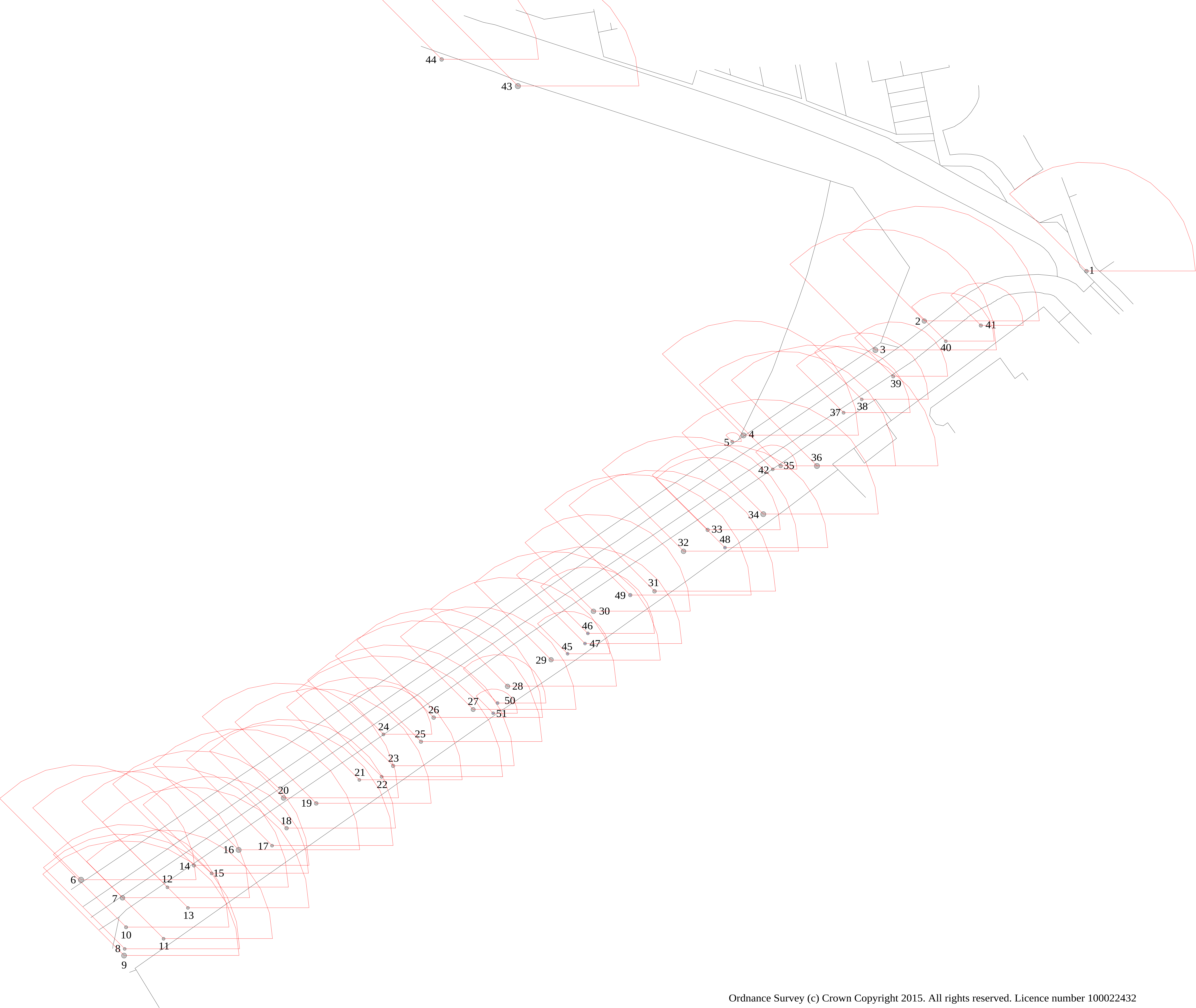
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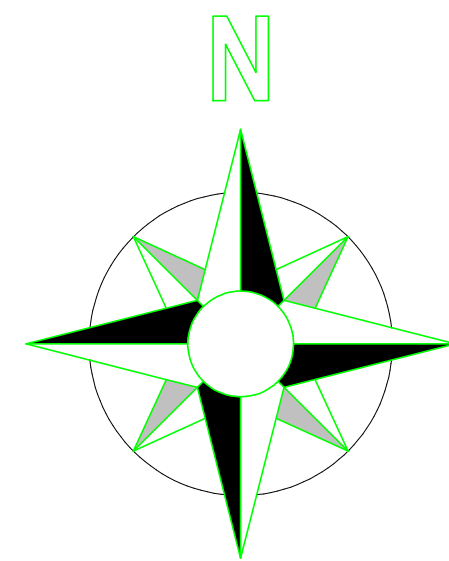
Tree Surveys

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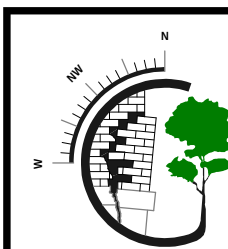
APPENDIX 4



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Client HAMPSHIRE COUNTY COUNCIL

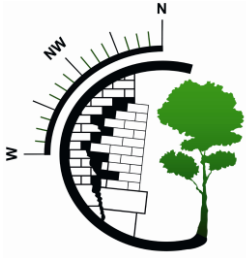
Job Title WOODCROFT PRIMARY SCHOOL

Drawing Title SHADE CONSTRAINTS

Scale 1:200 @ A0

Date 20.07.2015 Drawn by AS

Dwg. No. SPH/PS/SHADE-01/20.07	Rev.
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Tree Surveys

BS5837 – Pre Planning – Mortgage – Risk Management

APPENDIX 5

BS 5837 FIGURE 2 TREE PROTECTION

Root Protection Areas (RPAs), enclosed by Default Temporary Protective Fencing, as detailed below and to be agreed with the Local Planning Authority (LPA), shall:

1. Be protected throughout the development process, as specified and detailed in BS 5837:2012 Section 6.2, Fig 2
2. Be erected prior to any construction, demolition or excavation works and remain in place for the duration of the project.
3. Preclude any delivery of site accommodation and or materials and or plant machinery.
4. Preclude all construction related activity, with the sole exception of specified arboricultural works and any other works carried out under supervision that has been agreed by all parties, and:
5. Preclude the storage of all development related material's and substances including fuel, oils, additives, cement and or any other deleterious substances.
6. Any incursions into RPA's must be by prior arrangement, following consultation with the LPA.

Figure 2 Default specification for protective barrier

