



OAKFIELD
ARBORICULTURAL SERVICES

Arboricultural Impact Assessment & Method Statement

Garden House Lane, Rickingham,
IP22 1EA

OAS 22-054-TS01
March 2022

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DISCLAIMER

While all reasonable efforts have been made to identify defects in the subject trees, the statements made in this report do not take into account the effects of extreme weather events, vandalism, accidents or changes to the site that may affect trees that have taken place since the date of the survey. Oakfield Arboricultural Ltd does not accept any responsibility in connection with these factors. The comments and observations made within this report will cease to be valid either within two years of the date of the survey (unless specifically stated elsewhere within the report), or when site conditions change or any works to trees take place that have not been specified within this report, whichever is the sooner.

1.0 Introduction

1.1 Instruction

1.1.1 Oakfield Arboricultural Services were instructed to undertake a tree survey and provide arboricultural advice on the site known as Garden House Lane, Rickingham, IP22 1EA to accompany a reserved matters application for the main development.

1.1.2 A detailed survey was undertaken November 2020 and was carried out in accordance with BS 5837: 2012 'Trees in Relation to Design, Demolition and Construction – Recommendations'

1.2 Scope of Works

1.2.1 The scope of 'Trees in relation to construction' is to provide recommendations and guidance on how trees and other vegetation may be satisfactorily integrated into construction and development projects. The overall aim of this is to ensure the continued longevity and quality of amenity contribution that trees appropriate for retention and protection provide. This report and its appendices follow precisely the strategy for arboricultural appraisal and input intended to provide councils with evidence that trees have been properly considered throughout the development process.

1.2.2 This is a preliminary assessment from ground level and observations have been made solely from a visual perspective for the purposes of assessment in terms relevant to planning and development. No invasive or other detailed internal decay detection devices have been used in assessing internal conditions.

1.2.3 Any conclusions relate to conditions found at the time of inspection. Any significant alteration to the site that may affect the trees that are present or have a bearing on planning implications (including level changes, hydrological changes, extreme climatic events or other site works) will necessitate a re-assessment of the trees and the site and render any previous advice/ findings invalid.

1.2.4 This is an arboricultural report and no such reliance must be given to comments relating to buildings, engineering, soil or ecological issues.

1.3 Documentation

1.3.1 The following documentation has been made available

- Topographical survey
- Proposed layout

2.0 Site & Tree Discussion

2.1 Site Description

2.1.1 The area concerned a parcel of land to the rear of Willowmere a private dwelling located off Garden House Lane in Rickingham. The site is currently a storage yard for a building company and comprises many temporary storage containers, areas of stored materials and open space. Access will be gained via an access to the NE corner of the site which is already approved.

2.2 Tree Discussion

2.2.1 A total of nine individual trees and six groups of trees have been assessed in detail from ground level by visual means only. The Tree Survey Schedule, at Appendix 2, details the trees in respect of dimension and quality in accordance with the methodology set out in the British Standard 5837:2012.

2.2.2 The surveyed vegetation included for the whole builder's yard and access road found Ash, Field Maple, Aspen, Willow, Poplar, Hawthorn, Blackthorn, Cypress and Field Maple. Vegetation is unmanaged with some parts having limited access that full survey information was not able to be completed. Overall the vegetation is predominantly of low value although some good quality trees are found on and adjacent the site

3.0 Development Implication Assessment

3.1 The proposal

3.1.1 The proposal will see the construction of ten detached dwellings will all associated access, already approved, services and open space provision.

3.1.2 The proposal will see the removal of T3-T6 and part of G2. This is mainly to accommodate the approved access as well as to accommodate the layout. All removals are of low quality and will have limited affect on the sites arboricultural and landscape value.

3.2 Access

3.2.1 The access will be via the approved access and have no effect on retained trees.

3.3 Construction

3.3.1 Services will likely be routed via the main access and will not effect any retained trees. It is not anticipated that specialist installation methods would be required.

3.3.2 Construction of the dwellings are all located outside the root area of retained trees therefore no specialist considerations are required.

3.4 Cultural implications for retained trees

3.4.1 Tree works to G2 and G4 will be required to reduce overall width and height and bring back into management. Such work will not have a material effect on the overall health in the long term.

3.4.2 Shading is not of a significant issue and will not lead to excessive pressure to remove trees.

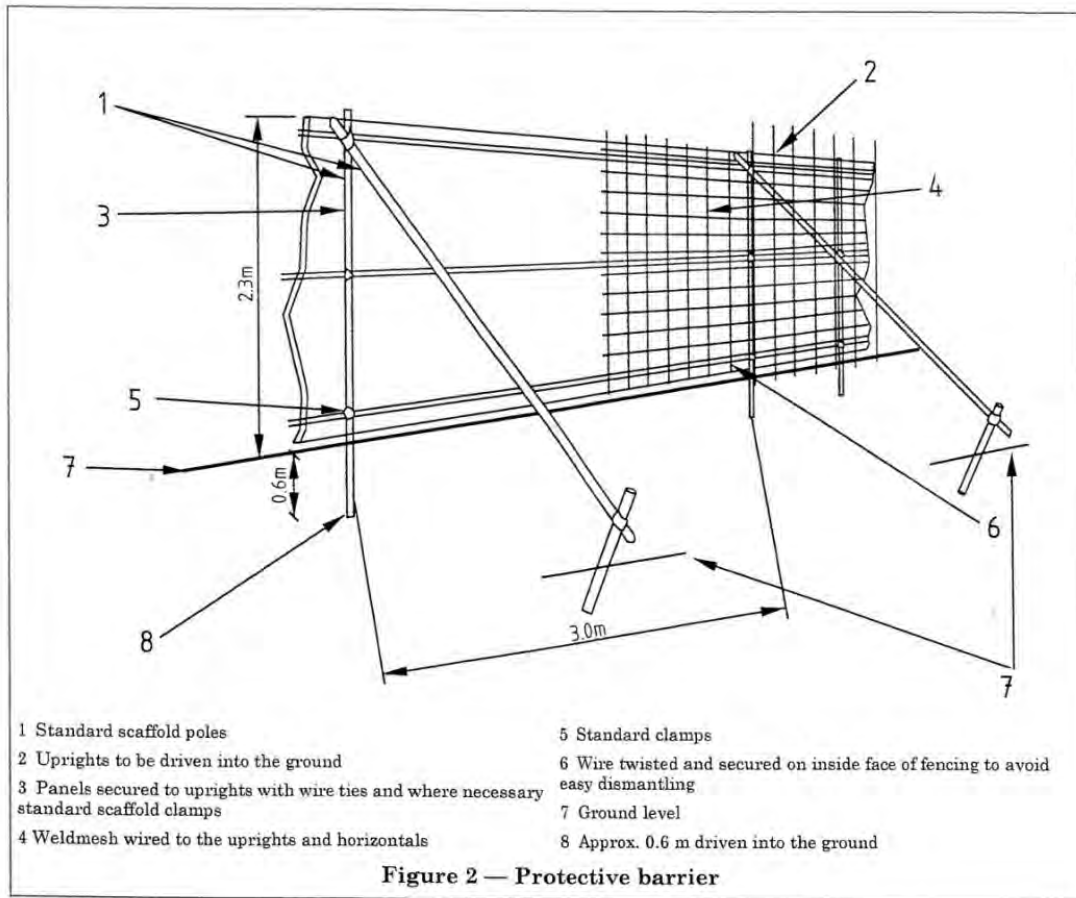
3.5 Tree protection

3.5.1 Tree protection fencing will be required to be installed as shown on the Tree Protection Plan OAS 22-054-TS03, TS04. Fit for its purpose fencing must be installed post any tree works and before construction begins on site and will remain in situ throughout the construction phase.

4.0 Conclusions

- 4.1.1 Tree removals required are of low quality and as such have no significant effect on arboricultural or landscape values.
- 4.1.2 No specialist construction methods are required to facilitate the retention of trees.
- 4.1.3 As long as the tree protection fencing is installed and maintained for the duration of the construction phase the proposal will have no material effect on the health and or value of those trees to be retained.

Appendix 1: Tree Protection Fencing



Appendix 2 Tree Survey Schedule

Tree Ref. No.	Species (Common Name)	Height (m)	N	E	S	W	Grnd Clrnc	DBH (mm)	RPR (cm)	RPA (m)	Age class	Gen Cond	Structural Defects/Comments	Estimated remaining contribution (BS 5837)	BS Cat	BS Sub Cat
T1	Willow (Weeping)	17	6	4	6	4	1	800	960	289.38	MA	F	Normal form and condition no major faults may require pollarding in near future	20+	B	1
T2	Aspen	10	2	2	2	2	1	150	180	10.17	MA	F	Small self set tree poor form of little overall value.	10+	C	1
T3	Ash	14	4	7	4	5	1	350	180	10.17	MA	F	Lapsed hedgerow trees. Ash dieback noted in crown	10+	C	1
T4	Ash	14	4	7	4	5	1	350	180	10.17	MA	F	Lapsed hedgerow trees. Ash dieback noted in crown	10+	C	1
T5	Ash	16	6	5	7	2	2	500	180	10.17	MA	F	Lapsed hedgerow trees. Ash dieback noted in crown	10+	C	2
T6	Ash	16	6	6	6	6	2	500	180	10.17	MA	F	Lapsed hedgerow trees. Ash dieback noted in crown	10+	C	3
T7	Ash	16	5	4	5	4	2	450	540	91.56	MA	F	Dieback evident in crown in decline	10+	C	1
T8	Poplar	15	3	2	3	2	2	275	330	34.19	MA	F	Offsite tree	20+	B	1
T9	Poplar	13	1	2	1	1	1	250	300	28.26	MA	F	Offsite tree	20+	B	1

Tree Ref. No.	Species (Common Name)	Height (m)	N	E	S	W	Grnd Clrnc	DBH (mm)	RPR (cm)	RPA (m)	Age class	Gen Cond	Structural Defects/Comments	Estimated remaining contribution (BS 5837)	BS Cat	BS Sub Cat
G2	Ash, Hawthorn, Field Maple	14	As on plan				0	400	480	72.35	MA	F	Large group stretching the whole of the northern boundary. Ash and Field Maple larger trees with understorey of Hawthorn, Hazel .Ash dominant to east end of group and showing distinct signs of Ash dieback. Utility line crosses group to western part. Overall will require intervention/ management tree works, removal of Ash.	20+	C	1
G3	Blackthorn	4	As on plan				0	150	180	10.17	MA	F	Boundary hedge unmanaged	20+	C	1
G4	Hawthorn, Field Maple	5	As on plan				0	200	240	18.09	MA	F	Boundary group unmanaged but in good condition	40+	B	2
G5	Poplar	12	1	1	1	1	0	200	240	18.09	MA	F	Multiple small stems of Poplar. Offsite trees	20+	C	2

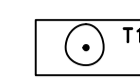
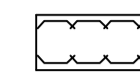
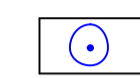
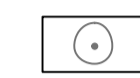
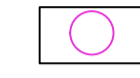
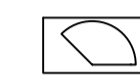
Tree Schedule Explanatory Notes

Ref.no	Identifies trees, groups and hedges on the accompanying plan.
Species	Common names are provided to aid wider comprehension.
Height	Describes the approximate height of the tree measured in metres from ground level
Canopy Spread	Indicates the crown radius from the base of the tree in four compass directions, recorded to the nearest metre.
Ground Clearance	Height of crown clearance above adjacent ground in metres.
DBH (mm)	DBH is the diameter of the stem measured in cm at 1.5m from ground level for single stemmed trees or just above root flare for multi-stemmed trees. Stem Diameter may be estimated where access is restricted.
RPR (cm)	Root Protection Radius (RPR) is area required to be protected measured radially from the trunk centre.
RPA (m²)	Root Protection Area (RPA) is the minimum rooting area in m ² which should remain undisturbed around each tree.
Age Class	Age of the tree expressed as Y- Young, MA- Middle-Aged, EM- Early Mature, M- Mature or OM- Over-Mature
General Condition	Overall condition of tree expressed as :Good, Fair, Poor, Dead
Structural defects/Comments	May include general comments about growth characteristics, how it is affected by other trees and any previous surgery works. Also specific problems such as dead wood, pests, diseases, broken limbs. Etc
Estimated Remaining Years	Categorised in year bands of less than 10, 10+, 20+, 40+
BS Category	B.S. Cat refers to (BS 5837:2005 Table 1) and refers to tree/overall group quality and value; 'A' - High; 'B' - Moderate; 'C' - Low; 'U' - Remove.
Sub Category	Sub Cat refers to the retention criteria values where 1 is arboricultural, 2 is landscape and 3 is cultural including conservational, historic and commemorative

Appendix 3 Tree Constraints/ Protection Plan



KEY

-  T1 Existing Tree colour referenced in accordance with BS 5837 2005.
-  Existing hedge or group, colour coded as above in accordance with BS 5837.
-  Blue - Cat B Trees of moderate quality and value
-  Grey - Cat C Trees of low quality and value
-  Root Protection Area as calculated in accordance with BS 5837
-  Shade pattern as to BS:5837.

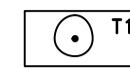
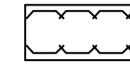
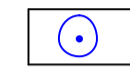
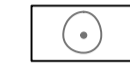

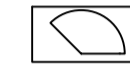


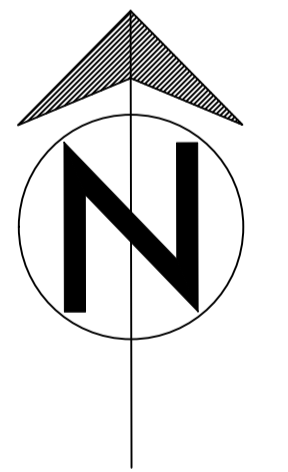
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SITE: Land at Gardners Lane, Rickingham			
DRAWN BY SPM	CHECKED BY SPM	SCALE 1:250 @A1	DATE March 2022
DWG NO. OAS 22-054-AR01	REV. 		



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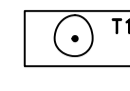
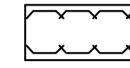
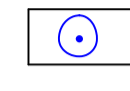
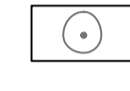
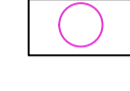
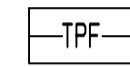

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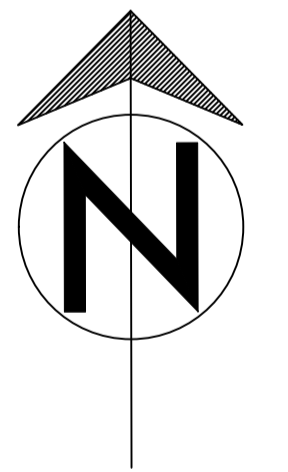


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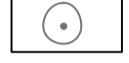

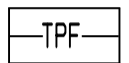

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-  TPF Approximate line of protective fencing to be installed and maintained throughout construction works.
-  Trees to be removed

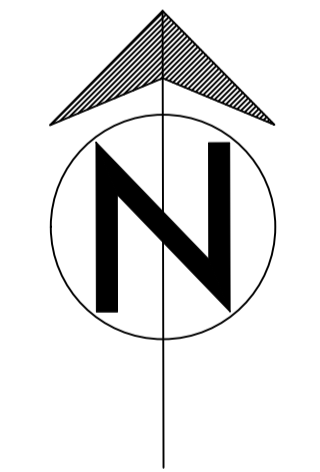


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				REV.



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