Goldthorpe, Barnsley.

Arboricultural Impact Assessment

201.11.2024

Fortitudo Property

Report reference	**AR-7641-02 AIA**
Author	Victoria Black FdSc Arb Principal Arboricultural Consultant
Technical Review	Victoria Black FdSc Arb Principal Arboricultural Consultant
QA	Victoria Black FdSc Arb Principal Arboricultural Consultant
Authorised	Victoria Black FdSc Arb Principal Arboricultural Consultant
Date	201.11.2024
Report duration	Unless otherwise stated the findings of this report remain valid for a period of 12 months. After this period advice should be sought on the scope of any updating work required.

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Contents

Summary

The application site 'the Site' comprises a plot of land which has been largely stripped of topsoil in preparation for development sandwiched between two roads, a superstore and housing.

The Site lies on the fringes of Goldthorpe being a logical urban extension location. The wider landscape is characterised by new and old housing and industrial and commercial developments. Beyond this the landscape comprises large arable fields with degraded hedgerow network.

The tree survey revealed a total of nine individual trees and seven groups of trees. Of these, four trees and two groups were identified as retention category 'B', eight trees/groups of trees were identified as retention category 'C' and one tree was identified as retention category 'U'. There were no retention category 'A' trees identified.

T14 has been found in a state of decline. It is recommended that this tree is removed to prevent any future damage by its failing.

It is proposed to development an industrial complex with associated car parking and landscaping.

This report should be read in conjunction with the attached Tree Constraints Plan Ref: DR-7641-01, Tree Protection Plan DR-7641-02 and Tree Survey Ref: AR-7641-01.

Introduction

1. Brooks Ecological Ltd was commissioned by Fortitudo Property to provide professional independent, detailed arboricultural advice on all relevant trees present at Land at Goldthorpe, Barnsley.
2. Plans have been provided by the architect/client to enable an impact assessment of the proposed works on the existing relevant trees within the Site.

Impact Schedule

3. The following schedule identifies the individual tree and its retention category with the main feature(s) of the proposed works likely to cause an impact. The tree references are shown on the tree constraints plan and the tree protection plan. Any mitigation measures are noted.

Tree ref.	Species	Retention category	Proposal feature	Impact	Mitigation
G1	Hawthorn With occasional Field maple	C2	Possible proposed boundary feature. Close to earth works. Possible landscaping	Retain – no impact expected within RPA	Tree protection fencing in accordance with BS 5837:2012 Arboricultural supervision required. Some very minor root pruning may be required. In order to minimise root damage to these trees, excavation must be kept to a minimum. A fence designs requiring intermittent posts will be acceptable and the post holes must not be excavated by mechanical means but may be either dug by hand (with any roots found cleanly severed) or the posts may be driven into the ground.
G2	Hawthorn	C2	Possible proposed boundary feature. Close to earth works. Possible landscaping.	Retain – no impact expected within RPA	Tree protection fencing in accordance with BS 5837:2012 Arboricultural supervision required. Some very minor root pruning may be required. In order to minimise root damage to these trees, excavation must be kept to a minimum. A fence designs requiring intermittent posts will be acceptable and the post holes must not be excavated by mechanical means but may be either dug by hand (with any roots found cleanly severed) or the posts may be driven into the ground.
G3	Field maple	B2	Possible proposed boundary feature.	Retain – no impact expected within RPA	Tree protection fencing in accordance with BS 5837:2012

Tree ref.	Species	Retention category	Proposal feature	Impact	Mitigation
			Close to earth works. Possible landscaping		Arboricultural supervision required. Some very minor root pruning may be required. In order to minimise root damage to these trees, excavation must be kept to a minimum. A fence designs requiring intermittent posts will be acceptable and the post holes must not be excavated by mechanical means but may be either dug by hand (with any roots found cleanly severed) or the posts may be driven into the ground.
T4	Ash	B1	Possible proposed boundary feature. Close to earth works. Possible landscaping	Retain – no impact expected within RPA	Tree protection fencing in accordance with BS 5837:2012 Arboricultural supervision required. Some very minor root pruning may be required. In order to minimise root damage to these trees, excavation must be kept to a minimum. A fence designs requiring intermittent posts will be acceptable and the post holes must not be excavated by mechanical means but may be either dug by hand (with any roots found cleanly severed) or the posts may be driven into the ground.
G5	Hawthorn	C2	Within proposed development footprint	Removal	Mitigation planting required on site
T6	Goat willow	C1	Within proposed development footprint	Removal	Mitigation planting required on site
T7	Goat willow	C1	Within proposed development footprint	Removal	Mitigation planting required on site
G8	Goat willow Buddleia	C2	Within proposed development footprint	Removal	Mitigation planting required on site

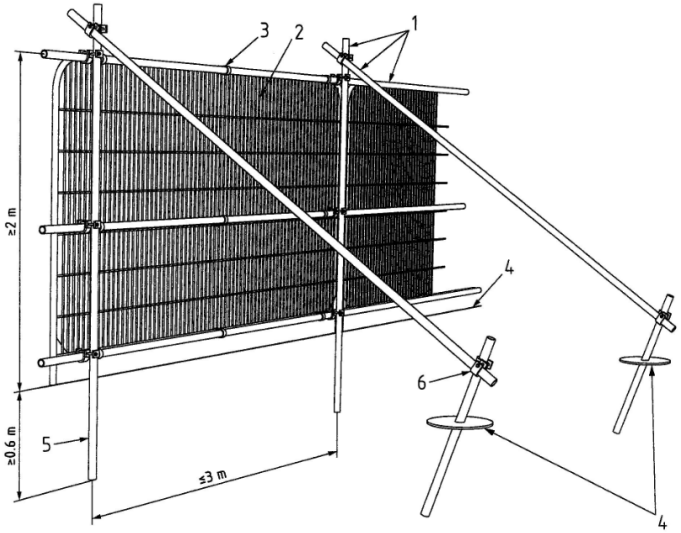
Tree ref.	Species	Retention category	Proposal feature	Impact	Mitigation
T9	Ash	B1	Possible proposed boundary feature. Close to earth works. Possible landscaping.	Retain – no impact expected within RPA	Tree protection fencing in accordance with BS 5837:2012 Arboricultural supervision required. Some very minor root pruning may be required. In order to minimise root damage to these trees, excavation must be kept to a minimum. A fence designs requiring intermittent posts will be acceptable and the post holes must not be excavated by mechanical means but may be either dug by hand (with any roots found cleanly severed) or the posts may be driven into the ground.
T10	Ash	B1	Possible proposed boundary feature. Close to earth works. Possible landscaping	Retain – no impact expected within RPA	Tree protection fencing in accordance with BS 5837:2012 Arboricultural supervision required. Some very minor root pruning may be required. In order to minimise root damage to these trees, excavation must be kept to a minimum. A fence designs requiring intermittent posts will be acceptable and the post holes must not be excavated by mechanical means but may be either dug by hand (with any roots found cleanly severed) or the posts may be driven into the ground.
T11	Ash	B1	Possible proposed boundary feature. Close to earth works. Possible landscaping	Retain – no impact expected within RPA	Tree protection fencing in accordance with BS 5837:2012 Arboricultural supervision required. Some very minor root pruning may be required. In order to minimise root damage to these trees, excavation must be kept to a minimum. A fence designs requiring intermittent posts will be acceptable and the post holes must not be excavated by mechanical means but may be either dug by hand (with any roots found cleanly severed) or the posts may be driven into the ground.
T12	Sycamore	C1	Possible proposed boundary feature. Close to earth works.	Retain – no impact expected within RPA	Tree protection fencing in accordance with BS 5837:2012 Arboricultural supervision required.

Tree ref.	Species	Retention category	Proposal feature	Impact	Mitigation
			Possible landscaping.		Some very minor root pruning may be required. In order to minimise root damage to these trees, excavation must be kept to a minimum. A fence designs requiring intermittent posts will be acceptable and the post holes must not be excavated by mechanical means but may be either dug by hand (with any roots found cleanly severed) or the posts may be driven into the ground.
G13	Ash Hawthorn Leylandii Birch Field maple	B2	Possible proposed boundary feature. Close to earth works. Possible landscaping. Possible canopy reduction site side	Retain – no impact expected within RPA	Tree protection fencing in accordance with BS 5837:2012 Arboricultural supervision required. Some very minor root pruning may be required. In order to minimise root damage to these trees, excavation must be kept to a minimum. A fence designs requiring intermittent posts will be acceptable and the post holes must not be excavated by mechanical means but may be either dug by hand (with any roots found cleanly severed) or the posts may be driven into the ground.
T14	Sycamore	U	Remove for arboricultural reasons	Remove for arboricultural reasons	Remove for arboricultural reasons
G15	Cherry	C2	Section too close to proposed sub station Possible proposed boundary feature.	Section requires removal	Tree protection fencing in accordance with BS 5837:2012 Arboricultural supervision required. Some very minor root pruning may be required. In order to minimise root damage to these trees, excavation must be kept to a minimum. A fence designs requiring intermittent posts will be acceptable and the post holes must not be excavated by mechanical means but may be either dug by hand (with any roots found cleanly severed) or the posts may be driven into the ground. Mitigation planting required on site
T16	Sycamore	C1	Close to earth works. Possible landscaping.	Retain – no impact expected within RPA	Tree protection fencing in accordance with BS 5837:2012 Arboricultural supervision required.

Implications for retained trees

Tree protection

4. Trees and tree groups should be protected from unwanted damage during construction works with temporary tree protection barriers. The barriers should be erected to the outer edge of the tree canopy or the edge of the RPA, whichever is the furthest away from the tree, unless otherwise indicated on the Tree Protection Plan.
5. Tree protection barriers should be the default specification for protective barrier, Figure 2, BS 5837: 2012 Trees in relation to design, demolition and constructions – Recommendations. Where Site circumstances prevent the use of the default barrier, an alternative specification would be recommended by the project arboriculturist with agreement of the local planning authority. The recommended locations for tree protective barriers are shown in Tree Protection Plan.
6. All-weather notices should be attached to the barrier with words such as: "Construction exclusion zone – no access".
7. Where facilitation access is authorised within the RPA temporary ground protection should be installed prior to work starting on Site. The temporary ground protection should be capable of supporting the weight of any traffic/machinery using the Site without being distorted or causing compaction to the ground. It is recommended that the ground of the possible Site compound/storage area is covered in temporary ground protection to minimise soil damage by compaction and conserve soil health through to post-construction planting in this area.



Key

1 Standard scaffold poles
2 Heavy gauge 2 m tall galvanized tube and welded mesh infill panels
3 Panels secured to uprights and cross-members with wire ties
4 Ground level
5 Uprights driven into the ground until secure (minimum depth 0.6 m)
6 Standard scaffold clamps

Figure 1

Tree work

8. Where pruning work is necessary and authorised to roots or branches of retained trees to enable facilitation works, it should be carried out by a competent contractor in accordance with BS 3998: 2010 Tree Works – Recommendations.

Drainage and utilities

9. Drainage and utilities are expected to be included within the proposed Site works and should not involve digging or trenching within RPA's.

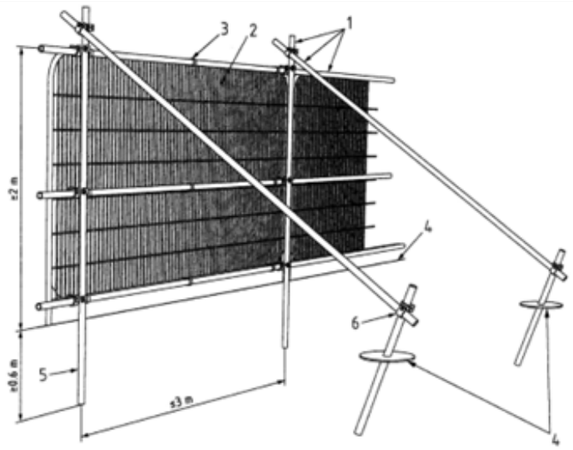
Ground level changes

10. It is our understanding that no ground level changes are required within the root protection area of any tree on this site. There are major earth works proposed to remove soil heaps across the site. Extra care must be taken with machinery close to the RPA's of the retained trees. Protective fencing, as shown on DR-7641-02, should remain in place until ALL works have been carried out.

Trees to be removed

11. Two groups, one section of one group and two trees are expected to be removed to facilitate the development.

DR-7641-02 Tree Protection Plan



Key

1 Standard scaffold poles
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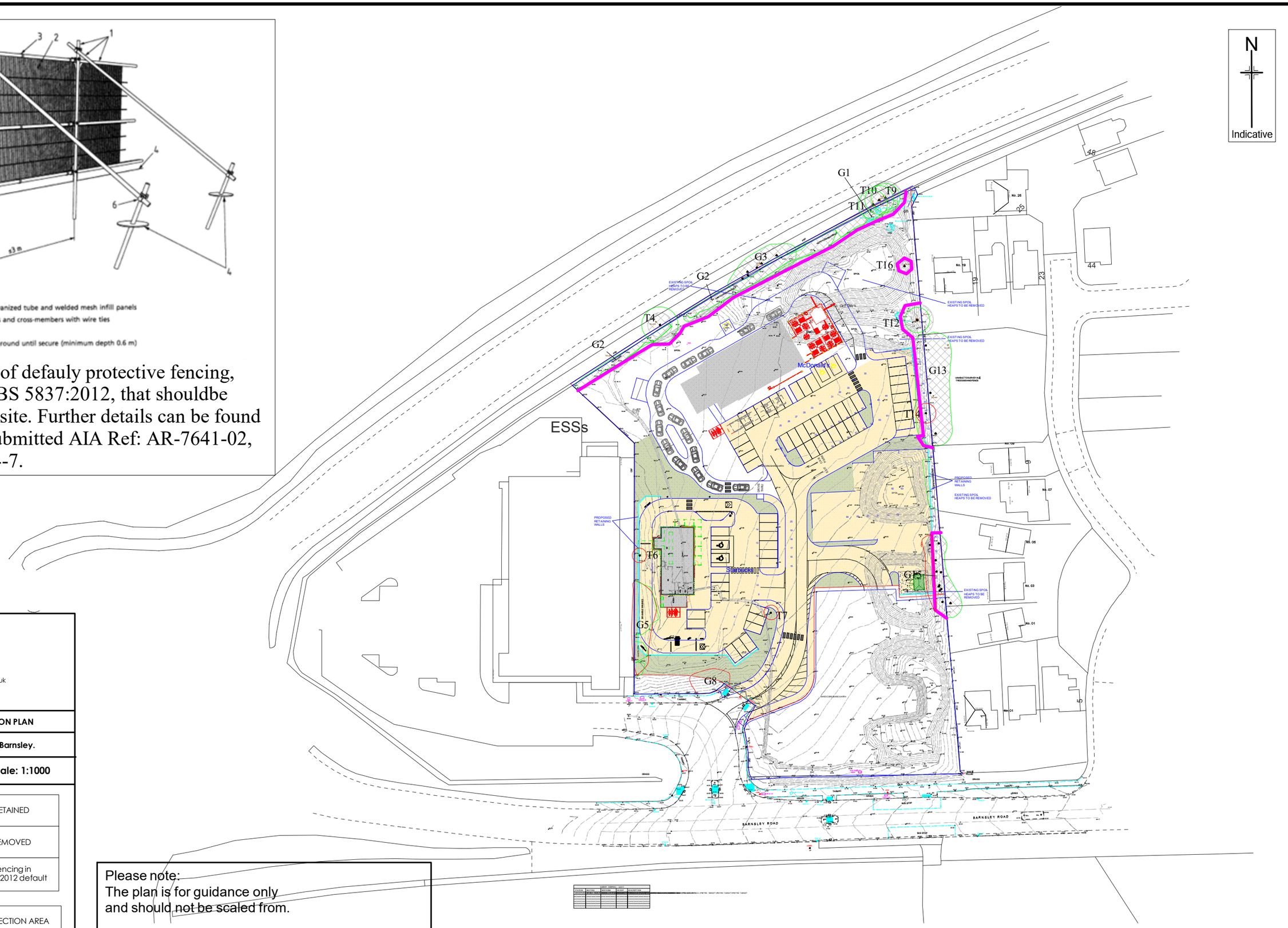
4 Ground level
5 Uprights driven into the ground until secure (minimum depth 0.6 m)
6 Standard scaffold clamps

An example of defauly protective fencing, in line with BS 5837:2012, that shouldbe used on this site. Further details can be found within the submitted AIA Ref: AR-7641-02, paragraphs 4-7.

N

Indicative



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DR-7641-02 TREE PROTECTION PLAN

Site: Land at Goldthorpe, Barnsley.

Paper Size: A3	**Scale: 1:1000**

	TRRE TO BE RETAINED
	TREE TO BE REMOVED
	Protective fencing in with BS 5837:2012 default

	ROOT PROTECTION AREA
•	TREE STEM

Please note:
The plan is for guidance only and should not be scaled from.

The original of this drawing was produced in colour - a monochrome copy should not be relied upon.

Tree Survey & Tree Constraints Plan

Goldthorpe, Barnsley.

Tree Survey

01/11/2024

Fortitudo Property

Report reference	AR-7641-01 Tree Survey
Author	Victoria Black FdSc Arb Principal Arboricultural Consultant
Technical Review	Victoria Black FdSc Arb Principal Arboricultural Consultant
QA	Victoria Black FdSc Arb Principal Arboricultural Consultant
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The Site lies on the fringes of Goldthorpe being a logical urban extension location. The wider landscape is characterised by new and old housing and industrial and commercial developments. Beyond this the landscape comprises large arable fields with degraded hedgerow network.

The tree survey revealed a total of nine individual trees and seven groups of trees. Of these, four trees and two groups were identified as retention category 'B', eight trees/groups of trees were identified as retention category 'C' and one tree was identified as retention category 'U'. There were no retention category 'A' trees identified.

This report should be read in conjunction with the attached Tree Constraints Plan Ref: DR-7641-01.

T14 has been found in a state of decline. It is recommended that this tree is removed to prevent any future damage by its failing.

Introduction

1. Brooks Ecological Ltd was commissioned by Fortitudo Property to provide professional independent, detailed arboricultural advice on all relevant trees present at Land at Goldthorpe, Barnsley.
2. This report has been undertaken in accordance with BS 5837:2012 Trees in relation to construction – Recommendations.
3. The client has provided a topographical plan.
4. All findings and recommendations are based on visual observations conducted from ground level during the Site visit only. No other diagnostic procedures were used to establish any extent of internal decay nor was a climbing inspection undertaken.
5. All measurements were obtained with the use of a clinometer and an electronic distometer. On occasion it is not viable to provide accurate measurements due to restricted access or other mitigating circumstances on site, and the data may be estimated.

Legal implications of work to trees

6. Due to the potentially large penalties for illegally carrying out work to protected trees, it is recommended that a check with the local planning authority is carried out prior to any tree works being undertaken and any required consents such as for work to trees with Tree Preservation Orders and/or Conservation Areas are obtained before work to trees on site. Additionally, work to trees at certain times of the year may contravene sections of the Wildlife and Countryside Act regarding nesting and roosting of protected species.
7. Every tree owner has a general duty of care to ensure their tree(s) does not pose an unacceptable risk to other people on or adjacent to their land. The landowner will only be liable for injury or damage caused by trees if they are found to be negligent.
8. There is no legal obligation for a tree owner to cut back growth from a neighbouring property. However, under Common law of tort of nuisance, an affected neighbour has the right to cut back roots or branches that encroach onto a neighbouring property back to the boundary of the land owned by the person abating the nuisance without the neighbour's consent (with the exception of TPO's or CA's). The person abating the nuisance has a duty to exercise reasonable care in carrying out work as a failure to do so may lead to liability in negligence (for example where removal of roots makes a tree unstable).

The Site

9. The application site 'the Site' comprises a plot of land which has been largely stripped of topsoil in preparation for development sandwiched between two roads, a superstore and housing.
10. The Site lies on the fringes of Goldthorpe being a logical urban extension location. The wider landscape is characterised by new and old housing and industrial and commercial developments. Beyond this the landscape comprises large arable fields with degraded hedgerow network.

Survey Conditions

11. The trees were surveyed in cold, wet, overcast conditions on 09.10.2024.

Figure 1 The Site (red line boundary).

Methodology

12. The trees were assessed visually from ground level. Where access to a tree is restricted this is noted in the schedule.
13. The tree reference numbers refer to the attached Tree Constraints Plan (TCP) references. The trees were not tagged for this survey.
14. The tree species is listed by common name in the schedules, with a key to scientific names in table 1:

Table 1 Nomenclature

Common name	Botanical name	Common name	Botanical name
Alder (common)	Alnus glutinosa	Hawthorn	Crataegus monogyna
Alder (grey)	Alnus incana	Hazel	Corylus avellana
Apple	Malus domestica	Holly	Ilex aquifolium
Aspen	Populus tremula	Hornbeam	Carpinus betulus
Ash	Fraxinus excelsior	Larch	Larix decidua
Beech	Fagus sylvatica	Lime (common)	Tilia x europaea
Birch (silver)	Betula pendula	Lime (small-leaved)	Tilia cordata
Birch (downy)	Betula pubescens	Maple (field)	Acer campestre
Chestnut (sweet)	Castanea sativa	Maple (Norway)	Acer platanoides
Chestnut (horse)	Aesculus hippocastanum	Poplar (black)	Populus nigra
Cherry (wild)	Prunus avium	Oak (sessile)	Quercus petraea
Cherry (bird)	Prunus padus	Oak (pendunculate)	Quercus robur
Cherry (Japanese)	Prunus serrulata	Rowan/mountain ash	Sorbus aucuparia
Leyland Cypress	X Cupressocyparis leylandii	Sycamore	Acer pseudoplatanus
Elm (English)	Ulmus procera	Weeping willow	Salix chrysocoma
Elm (wych)	Ulmus glabra	Whitebeam (Swedish)	Sorbus intermedia
Goat willow	Salix caprea		

15. Measurement of the existing height above ground level of the first significant branch and the direction of growth and the height of the canopy. This informs ground clearance, crown/stem ratio and shading.
16. The stem/trunk diameter is measured with a diameter tape at 1.5m from ground level around the stem for single stem trees and for multi-stemmed trees and other variants in accordance with Annex C of the British Standard. Where access restricts measurement of the tree, an estimate has been made, denoted by '#'.
17. Canopy spread is measured with an electronic distometer. The close-spacing of some of the trees impeded measurements of canopy spread and height and estimates were made.
18. The age of the tree is based on the typical longevity of the particular tree species. The age classes are: young (Y), semi-mature (SM), early mature (EM), mature (M), over-mature (OM) and veteran (V).

19. The physiological condition of the tree is an assessment of its likely health, vigour and stress. The classes for physiological condition are: good, fair, poor and dead.
20. Structural condition includes tree form, visible defects, irregularities and influencing factors.
21. Preliminary management recommendations note work (with prior approval where necessary) to promote the health and longevity of the tree and/or improve safety and/or increase habitat potential.
22. The life expectancy (life exp.) is the estimated remaining contribution in years, (<10, 10+, 20+, 40+).
23. The retention category (ret cat) for each tree is assessed in accordance with BS 5837: 2012 , summarised in table 2 below:
24. The root protection area (RPA) in m²is for layout purposed and indicates the 'minimum area around a tree deemed to contain sufficient roots and rooting volume to maintain the tree's viability, and where the protection of the roots and soil structure is treated as a priority'. The RPA is calculated in accordance with BS 5837: 2012 Annex D. Where Site features are likely to have distorted the typical RPA, a polygon of the same area is estimated on plan to reflect a more realistic shape, in accordance with the British standard.

Table 3 Retention categories

Category A	Trees of high quality with an estimated remaining life expectancy (ERC) of at least 40 years. Green canopy outline on plan.
Category B	Trees of moderate quality with an estimated ERC of at least 20 years. Blue canopy outline on plan.
Category C	Trees of low quality with an ERC of at least 10 years, OR young trees with a stem diameter below 150mm. Grey canopy outline on plan.
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. Trees unsuitable for retention. Dark red canopy outline on plan.

Sub- categories of 1, 2 or 3 are included in the tree data tables and are defined as follows:

Sub-category 1 trees are those with 'mainly arboricultural value'

Sub-category 2 trees are those with 'mainly landscape value'

Sub-category 3 trees are those with 'mainly cultural or conservation value'.

Table 2 Abbreviations used

T	Tree	GL	Ground level
G	Tree group	MS	Multi-stemmed
H	Hedge	AFP	Access facilitation pruning
OSB	Outside Site boundary	Ave	Average dimension
#/est	Estimated dimension	Typ	Typical dimension
N	North	E	South
S	South	W	West
Min	Minimum	Lwr	Lower
adj	Adjacent	Ht	Height

Tree data

25. The following schedule contains the tree data obtained on site:

Ref	Species	Life stage	Ht (m)	Can Ht (m)	Stem diam (mm)	Canopy spread (m)	Physio logical	Structural condition	Observations	Recommendations	Life exp. (yrs)	Ret Cat
G1	Hawthorn With occasional Field maple	Y-EM	To 5	0+	To 100	See plan	Fair	Fair	Possibly situated on adjacent land. Along the northern boundary. Gappy and scrappy group. Unmanaged. Some poorer specimens. Overhanging boundary.	Requires management	10+	C2
G2	Hawthorn	Y-SM	To 5	0+	To 100	See plan	Fair	Fair	Possibly situated on adjacent land. Along the northern boundary. Gappy and scrappy group. Unmanaged. Some poorer specimens. Overhanging boundary.	Requires management	10+	C2
G3	Field maple	SM	To 11	0+	To 250	See plan	Fair	Fair	Dense grouping. Deadwood and stubs evident with canopy. Along the northern boundary. Overhanging boundary. Minor bark wounds throughout.	Crown clean	10+	B2
T4	Ash	SM	7	2	#280	N 5 E 5 S 5 W 5	Fair	Fair	Single stemmed and vertical with a balanced canopy. Low hanging canopy. Within G2. Very limited inspection. Minor Deadwood and stubs evident with canopy.	No action required at present	20+	B1
G5	Hawthorn	SM	To 5	0+	To 150	See plan	Fair	Fair	Scrappy grouping. No access so very limited inspection. Typical of species.	No action required at present	10+	C2
T6	Goat willow	Y	3	0+	T0 50	N 1.5 E 1.5 S 1.5 W 1.5	Fair	Fair	Typical of species. Multiple stemmed at ground level with a balanced canopy. Minor bark wounds throughout. Very limited inspection.	No action required at present	10+	C1
T7	Goat willow	Y	3	0+	T0 50	N 1.5 E 1.5 S 1.5 W 1.5	Fair	Fair	Typical of species. Multiple stemmed at ground level with a balanced canopy. Minor bark wounds throughout.	No action required at present	10+	C1
G8	Goat willow Buddleia	Y-SM	To 5	0+	To 100	See plan	Fair	Fair	Multiple stemmed at ground level with an unbalanced canopy. Typical of species. Pioneering species. Minor bark wounds throughout. Deadwood and stubs evident with canopy. Dense grouping.	No action required at present	10+	C2

Ref	Species	Life stage	Ht (m)	Can Ht (m)	Stem diam (mm)	Canopy spread (m)	Physio logical	Structural condition	Observations	Recommendations	Life exp. (yrs)	Ret Cat
T9	Ash	EM	15	2.1	270 250 150 100	See plan	Fair	Fair	Multiple stemmed at ground level with an unbalanced canopy. Included bark noted at unions. Minor Deadwood and stubs evident with canopy. Overhanging boundary.	Crown clean	10+	B1
T10	Ash	EM	14	1.8	260 280	N 4 E 4 S 4 W 4	Fair	Fair	Twin stemmed at 1m with a balanced canopy. Minor Deadwood and stubs evident with canopy. Overhanging boundary.	Crown clean	10+	B1
T11	Ash	EM	15	2	320 290	N 4 E 4 S 4 W 4	Fair	Fair	Twin stemmed at 1m with a balanced canopy. Included bark noted at union. Minor Deadwood and stubs evident with canopy. Overhanging boundary.	Crown clean	10+	B1
T12	Sycamore	EM	14	1.6	150 X 6	N 3 E 3.5 S 3 W 3.5	Fair	Fair	Multiple stemmed at ground level with a balanced canopy. Scrappy self sown tree. Minor Deadwood and stubs evident with canopy. Minor bark wounds throughout.	No action required at present	10+	C1
G13	Ash Hawthorn Leylandii Birch Field maple	Y-EM	To 16	0+	To 250	See plan	Fair	Fair	Dense grouping located on adjacent land. Very limited inspection. Ground works have occurred within the vicinity. Minor Deadwood and stubs evident with canopy. Minor bark wounds throughout. Good boundary feature.	Crown clean site side. Monitor condition.	10+	B2
T14	Sycamore	SM	13	-	280	-	Poor	Poor	In decline.	Remove	<10	U
G15	Cherry	SM-EM	To 15	0+	220 180 180 100 100 100 100 100	See plan	Fair	Fair	Situated on adjacent land. Very limited inspection. Typical of species. Minor bark wounds throughout. Minor Deadwood and stubs evident with canopy.	Crown clean	10+	C2

Ref	Species	Life stage	Ht (m)	Can Ht (m)	Stem diam (mm)	Canopy spread (m)	Physio logical	Structural condition	Observations	Recommendations	Life exp. (yrs)	Ret Cat
T16	Sycamore	SM	9	1.5	To 150	N 1.8 E 1.8 S 1.8 W 1.8	Fair	Fair	Single stemmed and vertical with a balanced canopy. Minor Deadwood and stubs evident with canopy. No major defects visible.	No action required at present.	20+	C1

Findings

Tree descriptions and recommendations

26. The tree survey revealed a total of nine individual trees and seven groups of trees. Of these, four trees and two groups were identified as retention category 'B', eight trees/groups of trees were identified as retention category 'C' and one tree was identified as retention category 'U'. There were no retention category 'A' trees identified.
27. This report should be read in conjunction with the attached Tree Constraints Plan Ref: DR-7641-01.
28. T14 has been found in a state of decline. It is recommended that this tree is removed to prevent any future damage by its failing.
29. Three trees and two groups would benefit from a crown clean to remove the deadwood, stubs and crossing branches within their canopies.
30. G13 will require on going annual monitoring due to the changes in ground levels within the vicinity.
31. Two groups, G1 & G2, are scrappy groups that would benefit from some future management.

DR-7641-01 Tree Constraints Plan

N

Indicative

G1
T10
T9
T11
G3
G2
T16
T4
T12
G2
G13
ESSs
T14
T6
G15
T7
G5
G8
48
44
23
5
No. 25
No. 19
No. 09
No. 07
No. 05
No. 03
No. 01
BARNSLEY ROAD
100 m

Brooks Ecological
Groundedd advice

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DR-7641-01 TREE CONSTRAINTS PLAN

Site: Land at Goldthorpe, Barnsley.

Paper Size: A3 | **Scale: 1:1000**

BS 5837: 2012 Retention Categories

	CATEGORY A
	CATEGORY B
	CATEGORY C
	CATEGORY U

	ROOT PROTECTION AREA
•	TREE STEM

Please note:
The plan is for guidance only
and should not be scaled from.

The original of this drawing was produced
in colour - a monochrome copy should not be
relied upon.