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Arboricultural and Landscape Report (ver 3)

65 Marsh Lane
Barton upon Humber
North Lincolnshire
DN18 5JD

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Client Contact

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Contents

1.0 INTRODUCTION

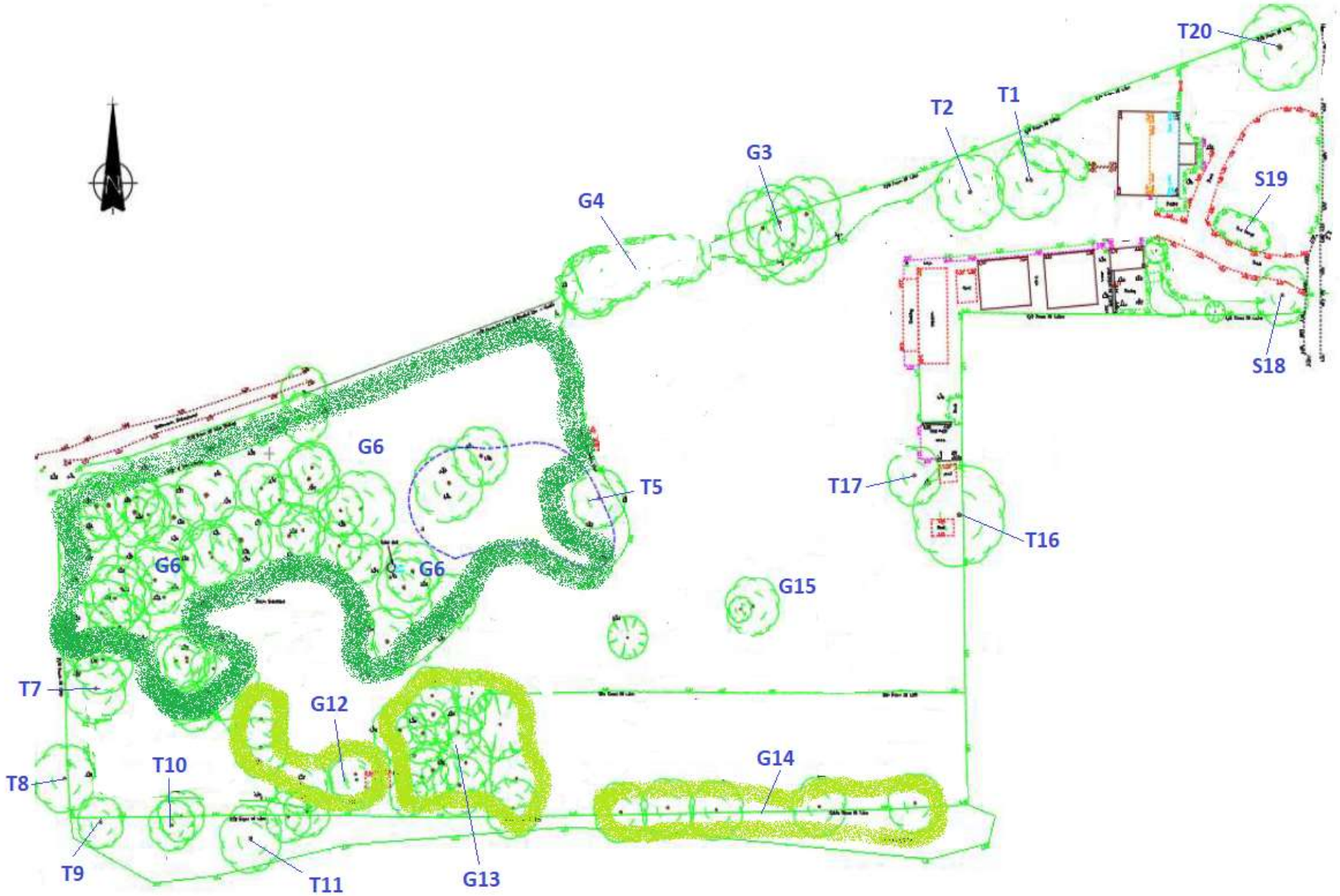
1.1 This report provides information in accordance with British Standard 5837:2012 'Trees in Relation to Design, Demolition and Construction' for a proposed development on land at 65 Marsh Lane, Baton upon Humber. The development proposals are for the erection of a residential properties.

1.2 The arboricultural survey was commissioned by David Ettridge and is linked to the design work undertaken by him as architects for the site. The aims of the survey were to undertake an assessment of all the existing trees within proximity of the proposed development, including trees on adjacent land.

1.3 The following information has been recorded in accordance with BS 5837:2012:-

- Designated tree number.
- Tree Species – the common name has been given followed by the Latin or scientific name.
- Height.
- Stem or base (multi stemmed trees) diameter and root protection area.
- Crown clearance (height of the periphery of the crown spread above ground level).
- Branch spread (to N, S, E, and W).
- Age class. This is given as young (Y), mature (M), and over mature (OM).
- Physiological condition - general comments given only, poor, fair, good.
- Tree structural condition - general comments given only, poor, fair, good.
- Useful life expectancy.
- Preliminary management recommendations.
- Tree category (A, B, C or U).

2.0 SITE PLAN


T20
T1
T2
G3
G4
S19
S18
G6
T5
T17
T16
G6
G6
G15
T7
G12
T10
T8
G14
T9
T11
G13

3.0 SURVEY METHODOLOGY AND SCHEDULE

3.1 The survey was carried out to British Standard 5837:2012, using the categories explained below:

3.2 The trees were assessed visually from ground level. Where potential problems were identified, further inspection by tree climbing is recommended. No digging or drilling methods were employed during this survey.

3.3 The trees were not given number tags.

3.4 The approximate height of each tree is measured from ground level to top of canopy using a clinometer.

3.5 The approximate diameter of each tree is measured at 1.5m above ground level. The root protection distance which has been expressed as a radius from the trunk of the tree has been given below the diameter measurement.

3.6 The age of each tree is based upon experience (Y= young. MA = middle aged. M= mature. OM=over mature).

3.7 The physiological condition of the trees is based upon experience (Good, Fair, Poor, Dead).

3.8 The structural condition and description is also based on experience (Good, Fair, Poor).

3.9 Both the approximate expected lifespan remaining and category/rating of each tree is based on the surveyor's experience.

3.10 The retention category of each tree or group of trees is based upon the information detailed above using the following categories:

A Trees of high quality and value
B Trees of moderate quality and value
C Trees of low quality and value
U Trees to be removed for arboricultural reasons

3.11 The following subcategories have been used in rating tree value

1 Mainly arboricultural qualities
2 Mainly landscape qualities
3 Mainly cultural values, including conservation

3.12 Tree Schedule

Tree no	Species	Height	Stem Dia RPA	Branch Spread	Crown Height	Age Glass	Physiological Condition	Structural Condition	Preliminary Management Recommendations	Useful life Expectancy	Category Grading
T1	**Silver Birch**	16m	460 5.5m	5m	2m	M	Good	Good	Remove for development	30+	B2
T2	**Damson**	10m	500e 6.0m	6m	2m	M	Good	Good	Remove for development	-30+	C2
G3	**2 Oak** **1 Sycamore**	15m	250 3.0m	4m	1m	MA	Good	Good	Retain one of the 3 trees.	30+	B2
G4	**Hawthorn hedgerow and Cherry trees**	16m	300e 3.6m	4m	-	M	Good	Good	No action Cherry trees on adjacent land	30+	C2
T5	**Ash**	9m	230 2.7m	2m	2m	MA	Good	Good	No action	-	C2
G6	**Scrub** Hawthorn 80% Willow Elderberry Apple Ash Plum	8m	200e	4m	-	M	Good	Fair	Scrub area Remove most of the scrub for development but retain on scrub on western boundary where possible/	30+	C2

Tree no	Species	Height	Stem Dia RPA	Branch Spread	Crown Height	Age Glass	Physiological Condition	Structural Condition	Preliminary Management Recommendations	Useful life Expectancy	Category Grading
T7	**Ash**	14m	380 4.5m	3m	3m	MA	Fair	Fair	No action	-	C2
T8	**Hawthorn**	7m	300e 3.6m	3m	2m	M	Good	Good	No action	30+	C2
T9	**Ash**	15m	300e 3.6m	3m	2m	MA	Good	Good	No action Tree on adjacent land	-	C2
T10	**Hawthorn**	8m	300e 3.6m	3m	2m	M	Good	Good	No action Tree on adjacent land	30+	C2
T11	**Ash**	12m	300e 3.6m	4m	3m	M	Fair	Good	No action Tree on adjacent land Potential ash dieback	-	C2
G12	**Ash** 5 Trees	12m	300e 3.6m	4m	4m	M	Good	Fair	Remove for development	-	C2
G13	**Group** 2 ash 1 sycamore 2 holly 10 hawthorn	5m To 15m	300e 3.6m	4m	2m	M	Good	Fair	Remove for development	30	C2

Tree no	Species	Height	Stem Dia RPA	Branch Spread	Crown Height	Age Glass	Physiological Condition	Structural Condition	Preliminary Management Recommendations	Useful life Expectancy	Category Grading
G14	**Hawthorns**	8m	300e 3.6m	4m	1m	M	Fair	Fair	No action Tree on adjacent land or on boundary	30+	C2
G15	**Hawthorn**	6m	200e 2.4m	2m	1m	M	Fair	Fair	No action	30+	C2
T16	**Sycamore**	14m	400e 4.8m	4m	2m	M	Good	Fair	No action Tree on boundary	30+	C2
T17	**Hawthorn**	5m	260 3.1m	2m	1m	M	Good	Good	Remove for development	30+	C2
S 18	**Hazel**	5m	200e 2.4m	2m	-	M	Good	Good	Coppice and allow to re-sprout.	30+	C2
G19	**Mixed shrubs and trees**	6m	200e 2.4m	2m	-	MA	Good	Good	Hawthorn, pear, elderberry, privet Remove for development	30+	C2
T20	**Walnut**	12m	660 7.9m	7m	-	M	Good	Fair	No action	30+	B2

4.0 ARBORICULTURAL IMPLICATIONS ASSESSMENT

Plan 2A – Proposed Layout

4.1 General Comments and Tree Removal / Pruning

The majority of trees will be retained which are located mainly on the boundaries of the site. The main vegetation within the site is a large area of scrub (G6). This is low quality vegetation which is proposed to be removed.

4.2 Future Relationship with Trees

With the trees removed as listed in the schedule the proposed properties would have an acceptable relationship with the trees to be retained both on and adjacent to the site. New planting is proposed which will help to ensure the continuity of trees on the site. Ash dieback is likely to have an impact on the site in the future the ash may be lost. However, trees like T5 could be retained to provide a sense of maturity to the site whilst other new planting becomes established.

4.3 Root Protection Measures

Tree protection measures in the form of protective fencing is considered necessary during construction work for the protection of the trees to be retained within and just outside the site. Details of the fencing have been shown on plan 3A and in appendix A.

4.4 Construction and Storage Space

Adequate space exists for construction work and for the supply and storage of materials.

4.5 Services

No new services will be dug within the root protection areas of the trees.

5.0 TREE PROTECTION MEASURES (Plan 3A)

6.0 ARBORICULTURAL METHOD STATEMENT (AMS)

6.1 General Site Management Constraints

- No soil stripping, compaction, excavation or removal is to take place outside the building and driveway.

6.2 Local Planning Authority Meeting

- The Local Planning Authority to be notified not less than 72 hours prior to commencement of works on site.

6.3 Tree Removal and Site Clearance

Trees to be removed as listed within the schedule.

6.4 Erection of Tree Protection Measures

- Tree Protection Fencing to be erected as indicated on the Tree Protection Plan (plan 3A) and as detailed in Appendix A.

6.5 Construction Work

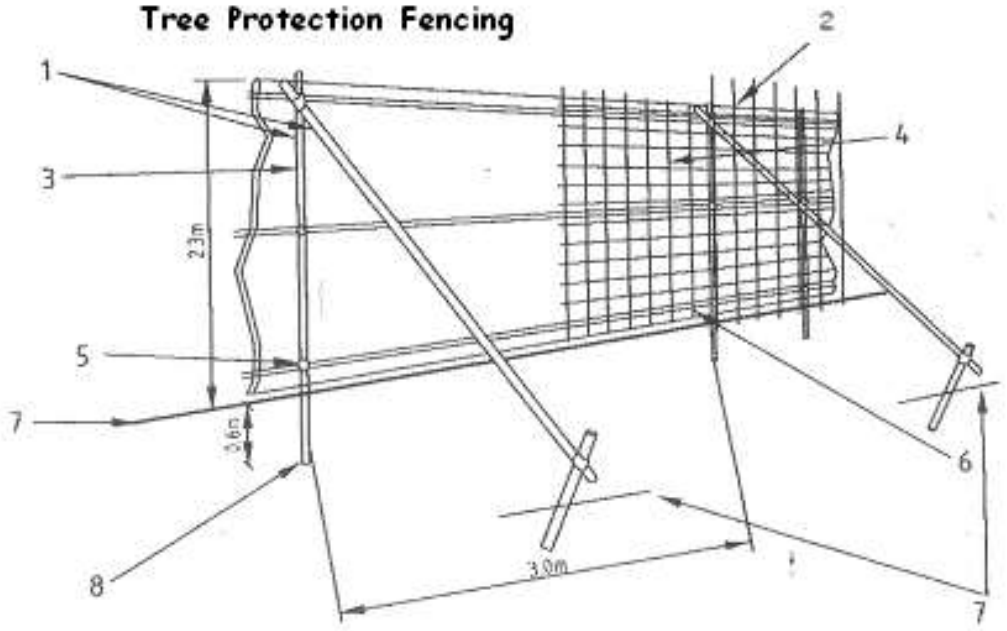
- Once the tree protection measures are in place then construction work can commence.
- Services for the development are to be located as indicated on the plans with the service runs agreed with the architect and service providers before any excavation work commences. No services to be located within the root protection areas of the trees.
- No site materials to be stored within the fenced tree protection areas.

6.6 Completion of work.

- On completion of the construction work the tree protection measures can be removed.
- Ground preparation may be required and could include light cultivation of the surface of the soil to enable seeding or turfing.
- Landscaping works to be implemented.

Appendix A – Tree Protection Fencing

Extract from BS5837



1) Standard Scaffold Poles 2) Uprights to be driven into the ground
3) Panels secured to uprights with wire ties 4) Weldmesh
5) Standard clamps 6) Wire twisted and secured on inside of fence
7) Ground level 8) Approx 0.6m into the ground