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Arboricultural Assessment Report

Albert Marson Court
Fairmont Crescent
Scunthorpe
North Lincolnshire

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	Staff Member	Position
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1.0 INTRODUCTION

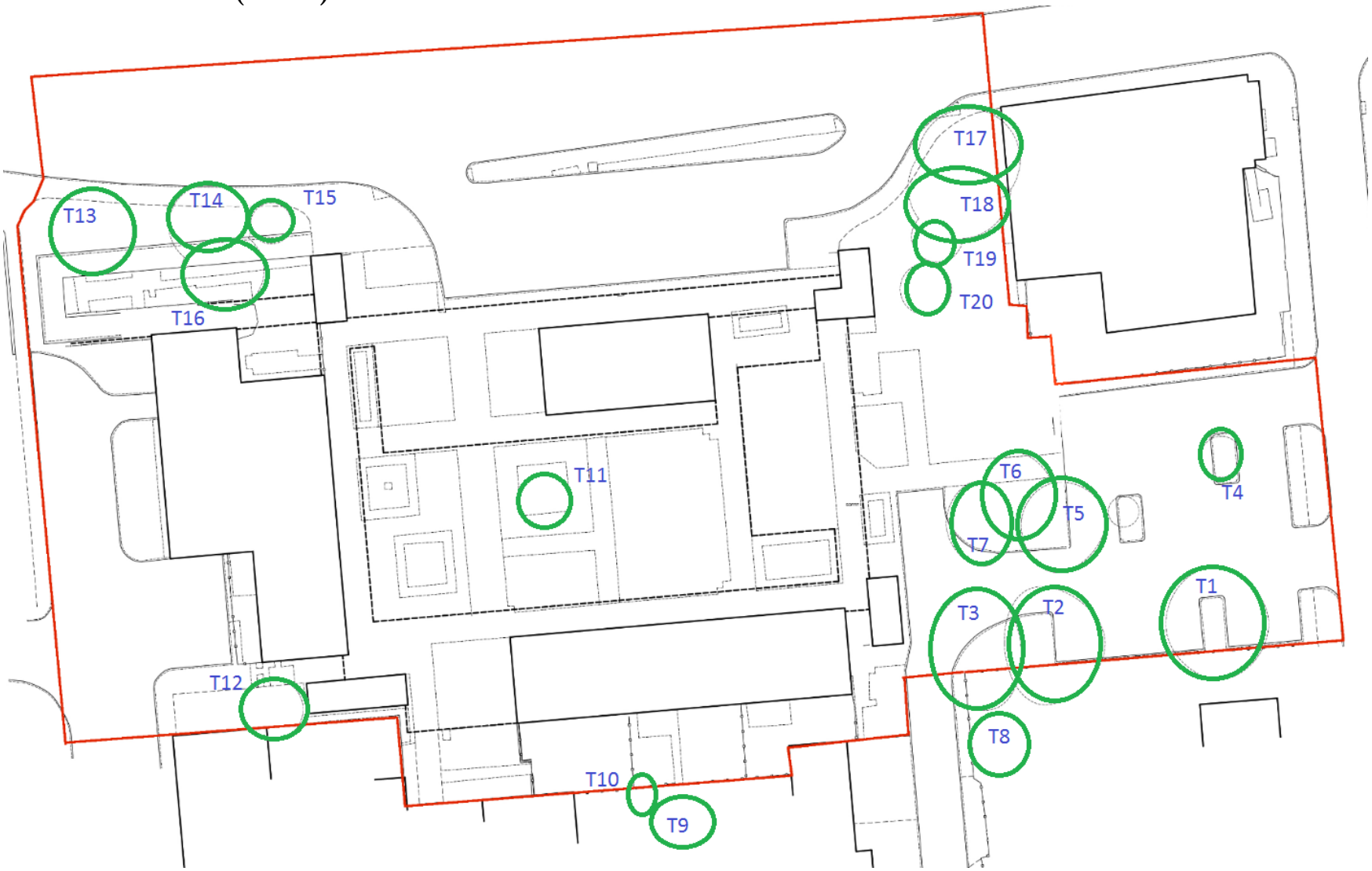
1.1 This report provides information in accordance with British Standard 5837:2012 'Trees in Relation to Design, Demolition and Construction' for a proposed demolition and rebuild at Albert Marson Court, Scunthorpe.

1.2 The aims of the survey are to undertake a survey of all trees and within and on the boundaries of the site.

1.3 The following information was requested as part of the brief:

- 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 provided as a radius from the trunk.
- 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), middle age (MA), 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 (a full tree risk survey will not be undertaken at this stage).
- Tree category (U, A, B or C).

2.0 SITE SURVEY (Plan 1a)



3.0 SURVEY METHODOLOGY AND SCHEDULE

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

3.1.1 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.

3.1.2 The tree numbers within the schedules refer to the order in which the trees were recorded.

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

3.1.4 The approximate diameter of each tree is measured at 1.5m above ground level. Many trees are not measured due to inaccessibility. The root protection distance which has been expressed as a radius from the trunk of the tree has been given below the diameter measurement.

3.1.5 The age of each tree is based upon our experience.

3.1.6 The physiological condition of the trees is based upon our experience.

3.1.7 The structural condition and description is based upon our experience.

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

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

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

3.1.10 The following subcategories have been used in rating tree value: -
1 Mainly arboricultural value
2 Mainly landscape value
3 Mainly cultural values, including conservation

3.2 TREE SCHEDULE – (See Plan 1a)

Tree No	Species	Height M	Stem Dia (RPA)	Branch Spread (m)	Height of crown clearance	Age Class	Physiological condition	Structural Condition	Preliminary Management Recommendations	Useful life expectancy	Category grading
T1	Norway Maple	12	390 4.7m	N 4 S 4 E 4 W 4	2m	M	Good	Good	No action	30+	B2
T2	Norway Maple	14	490 5.9m	N 5 S 5 E 5 W 5	2m	M	Good	Poor	No action	30+	B2
T3	Norway Maple	14	430 5.2m	N 5 S 5 E 5 W 5	2m	M	Good	Good	No action	30+	B2
T4	Norway Maple	5m	100 1.2m	N 2 S 2 E 2 W 2	-	Y	Poor	Poor	Remove due to condition and development	-	U
T5	Norway Maple	12m	370 4.4m	N 2 S 5 E 4 W 2	2m	M	Good	Poor	Tight fork at base – remove tree	-	C2
T6	Norway Maple	12m	330 3.9m	N 4 S 4 E 4 W 4	2m	M	Good	Good	No action	30+	B2
T7	Norway Maple	12m	250 3.0m	N 3 S 5 E 2 W 2	2m	M	Good	Good	No action	30+	B2

Tree No	Species	Height M	Stem Dia (RPA)	Branch Spread (m)	Height of crown clearance	Age Class	Physiological condition	Structural Condition	Preliminary Management Recommendations	Useful life expectancy	Category grading
T8	Silver Birch	16m	300 3.6m	N 3 S 3 E 3 W 3	2m	M	Good	Good	No action Tree on adjacent land	30+	B2
T9	Silver Birch	18m	390 4.7m	N 4 S 4 E 4 W 4	2m	M	Good	Good	No action Tree on adjacent land	30+	B2
T10	Rowan	7m	400e 4.8m	N 4 S 4 E 4 W 4	2m	M	Good	Good	No action Tree on adjacent land	30+	C2
T11	Silver Birch	12m	200e 2.4m	N 3 S 3 E 3 W 3	2m	M	Poor	Poor	Under stress on raised area	-	U
T12	Silver Birch	16m	390 4.7m	N 2 S 2 E 3 W 2	5m	M	Fair	Fair	Tree situated close to buildings	10+	C2
T13	Alder	12m	280 3.4m	N 4 S 4 E 4 W 4	2m	M	Good	Good	No action	30+	C2
T14	Alder	14m	360 4.3m	N 4 S 4 E 4 W 4	2m	M	Good	Good	No action	30+	C2
T15	Rowan	5m	130 1.5m	N 2 S 2 E 2 W 2	2m	Y	Poor	Poor	Low leaf cover, bark damage	-	U

Tree No	Species	Height M	Stem Dia (RPA)	Branch Spread (m)	Height of crown clearance	Age Class	Physiological condition	Structural Condition	Preliminary Management Recommendations	Useful life expectancy	Category grading
T16	Norway Maple	11m	360 4.3m	N 5 S 5 E 5 W 5	3m	M	Good	Good	No action	30+	B2
T17	Silver Maple	16m	510 6.1m	N 6 S 2 E 4 W 4	3m	M	Good	Good	No action	30+	B2
T18	Silver Maple	16m	550 6.6m	N 2 S 7 E 5 W 5	3m	M	Good	Good	No action	30+	B2
T19	Cherry	7m	150 1.8m	N 2 S 2 E 2 W 2	2m	Y	Fair	Fair	Suppressed by T18	10+	U
T20	Rowan	5m	140 1.9m	N 0 S 2 E 1 W 1	2m	Y	Poor	Poor	Decay at 2m on stem	-	U

4.0 ARBORICULTURAL IMPLICATIONS ASSESSMENT

4.1 Tree Quality and Categorisation

4.1.1 The British Standard 5837 provides a simple categorisation of trees. Some trees clearly fall in to one or other of the categories and on other sites a few appear to fit between. This is one such site where a number of trees hover between grade B and grade C in terms of their landscape quality. No trees are of exceptional quality.

4.1.2 In addition, T12 and T16 are so tight to buildings that will be demolished that it would not be possible to retain them. The likely root disturbance and generally change in environment for the trees would suggest that it would be better to remove and replace the trees.

4.1.3 A suggestion for tree retention would be as illustrated in the plan below.