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Arboricultural Assessment Report

Warwick Road
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 development at Warwick Road, Scunthorpe. The proposals are for the demolition of the existing building and construction of a new Dementia Support House.
- 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
 - **Root protection area** provided as a radius from the trunk, listed below the stem diameter.
 - 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

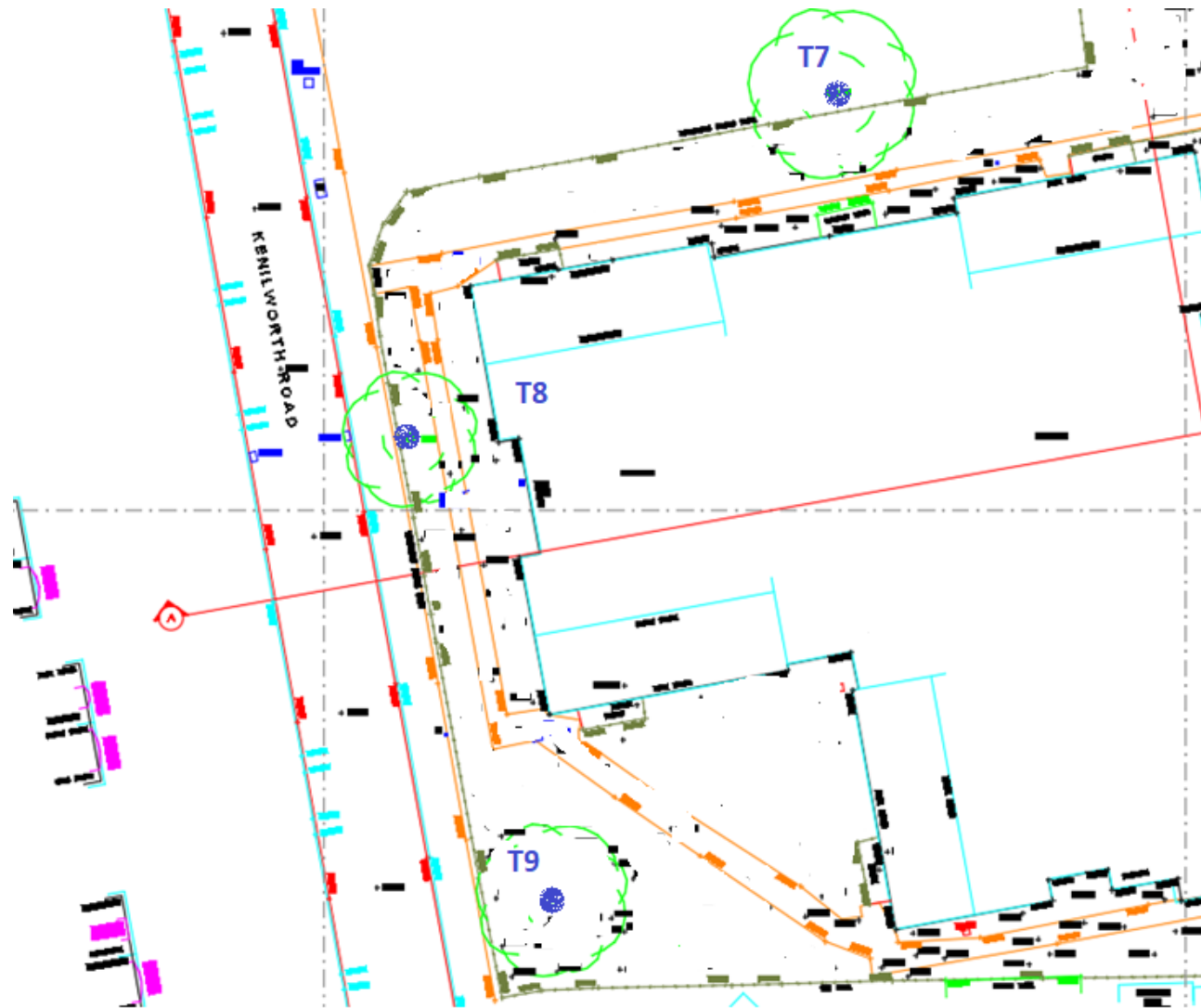
2.1 Location Plan



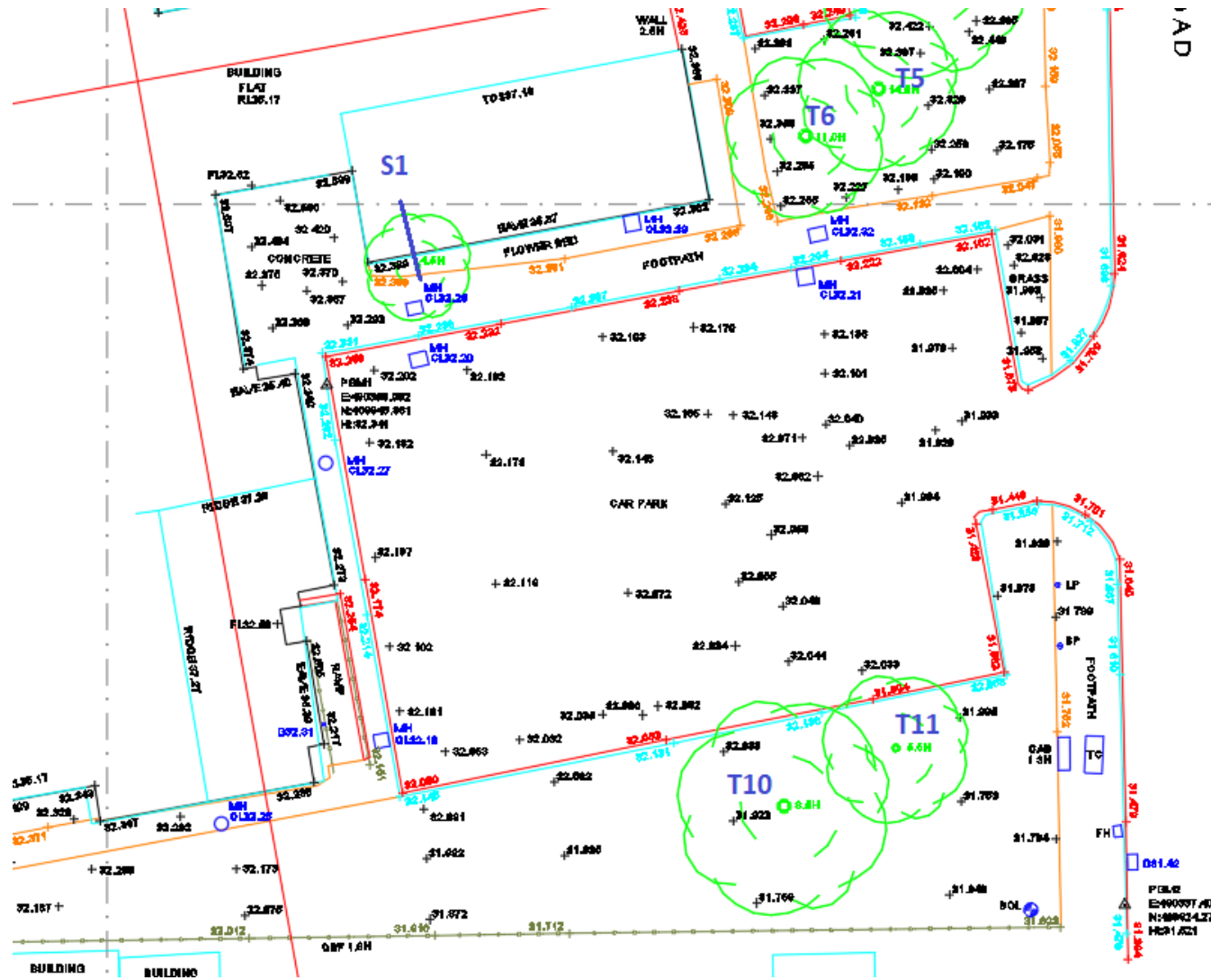
2.2 Plan 1a



2.4 Plan 1c



2.5 Plan 1d



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) – Note root protection area (RPA) provided as a radius below the Stem Diameter

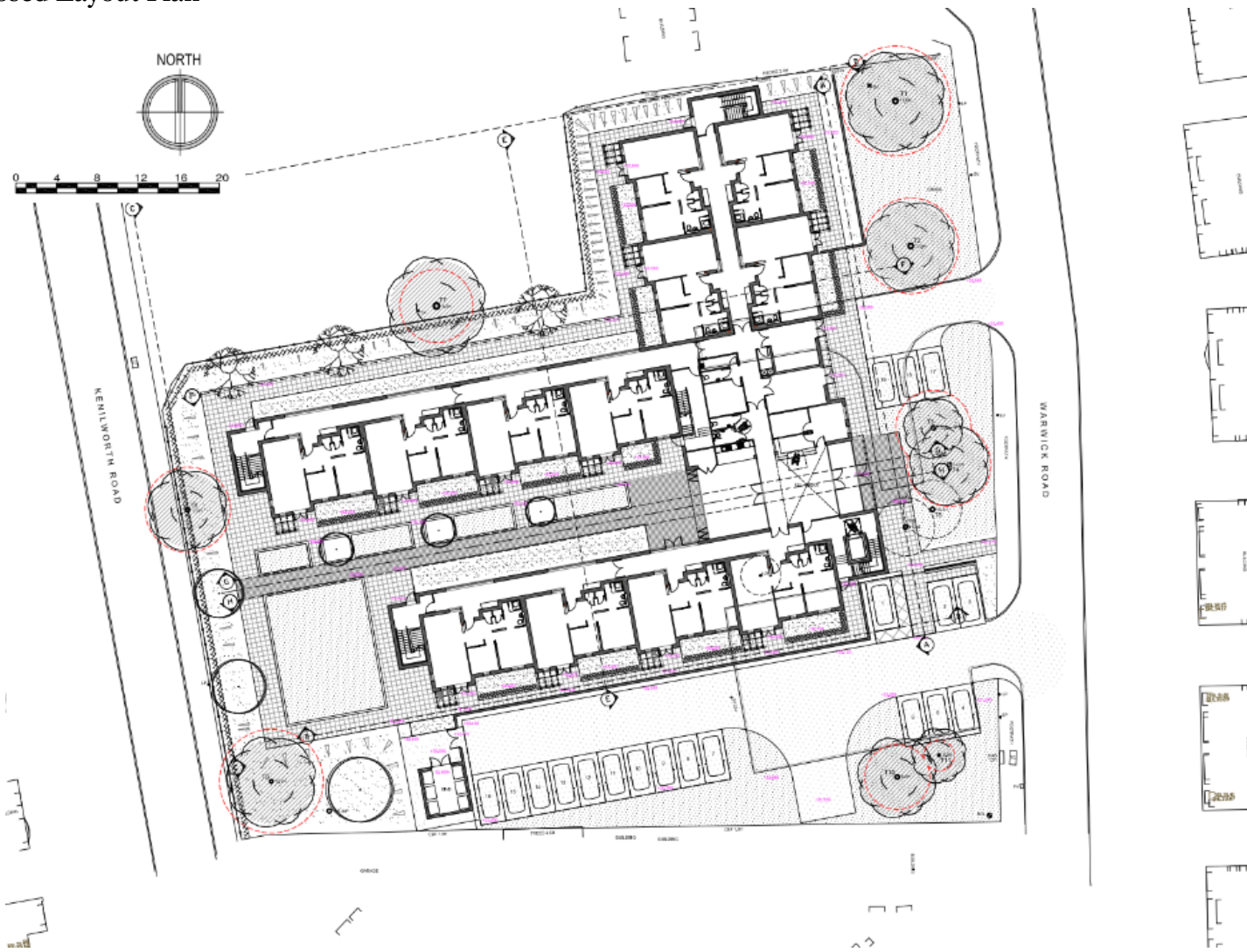
| Tree No | Species | Height M | Stem Dia (RPA) | Branch Spread (m) | Height of crown clearance | Age Class | Physiological condition | Structural Condition | Preliminary Management Recommendations | Useful life expectancy | Category grading |
|---------|--------------|----------|----------------|--------------------------|---------------------------|-----------|-------------------------|----------------------|----------------------------------------|------------------------|------------------|
| T1 | Sycamore | 12m | 450 5.4m | N 6 S 6 E 6 W 6 | 3m | M | Good | Good | No action | 30+ | B2 |
| T2 | Silver birch | 15m | 390 4.7m | N 6 S 4 E 6 W 4 | 3m | M | Good | Fair | No action | 30+ | C2 |
| T3 | Silver Birch | 14m | 310 3.7m | N 6 S 6 E 6 W 6 | 2m | M | Good | Good | No action | 30+ | B2 |
| T4 | Silver Birch | 15m | 340 4.1m | N 6 S 6 E 6 W 6 | 2m | M | Good | Good | No action | 30+ | B2 |
| T5 | Silver Birch | 14m | 320 3.8m | N 6 S 6 E 6 W 6 | 2m | M | Good | Good | Remove for development | 30+ | B2 |
| T6 | Silver Birch | 10m | 230 2.7m | N 2 S 4 E 1 W 4 | 2m | M | Fair | Fair | Remove for development | 10+ | C2 |
| T7 | Hawthorn | 9m | 300e 3.6m | N 4 S 4 E 4 W 4 | 2m | M | Good | Good | No action Tree on adjacent land | 30+ | C2 |

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|---------|----------|----------|----------------|--------------------------|---------------------------|-----------|-------------------------|----------------------|--------------------------------------------|------------------------|------------------|
| T8 | Hawthorn | 8m | 350 4.2m | N 3 S 3 E 3 W 3 | 2m | M | Good | Good | No action | 30+ | C2 |
| T9 | Lime | 16m | 430 5.1m | N 4 S 4 E 4 W 4 | 3m | M | Good | Good | No action | 30+ | B2 |
| T10 | Rowan | 8m | 270 3.2m | N 4 S 4 E 4 W 4 | 2m | M | Fair | Fair | No action Bark damage at base of trunk. | 30+ | C2 |
| T11 | Rowan | 5m | 130 1.5m | N 2 S 2 E 2 W 2 | 2m | M | Poor | Fair | No action Bark damage to trunk. | 30+ | C2 |

4.0 ARBORICULTURAL IMPLICATIONS ASSESSMENT



4.1 Proposed Layout Plan



4.1 Tree Removal and Pruning

4.1.1 The proposed development requires the removal of two birch trees T5 and T6. T6 is a poor specimen but T5 appears as though it could be retained within the development proposals. However, even if the tree was removed the development would still have a well treed frontage to the street. The photograph below shows trees T1 to T6.



4.2 Future Relationship with Trees

4.2.1 The proposed development would have an acceptable arrangement with the existing trees on site.

4.3 Root Protection Measures

4.3.1 Tree protection measures in the form of protective fencing are considered necessary during construction work. Details of the position of the fencing have been shown on plan 3A and details of the fencing construction in appendix A.

4.4 Construction and Storage Space

4.4.1 Adequate space exists for construction work and for the supply and storage of materials utilising the driveway, parking and lawn areas.

4.5 Services

4.5.1 No new services will be dug within the root protection areas of the trees. It is assumed that new services and drainage would be connected to existing supplies.

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 other than for the foundations, services and drainage as proposed.

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 T5 and T6 to be removed.

6.4 Erection of Tree Protection Fencing

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

6.5 Construction Work

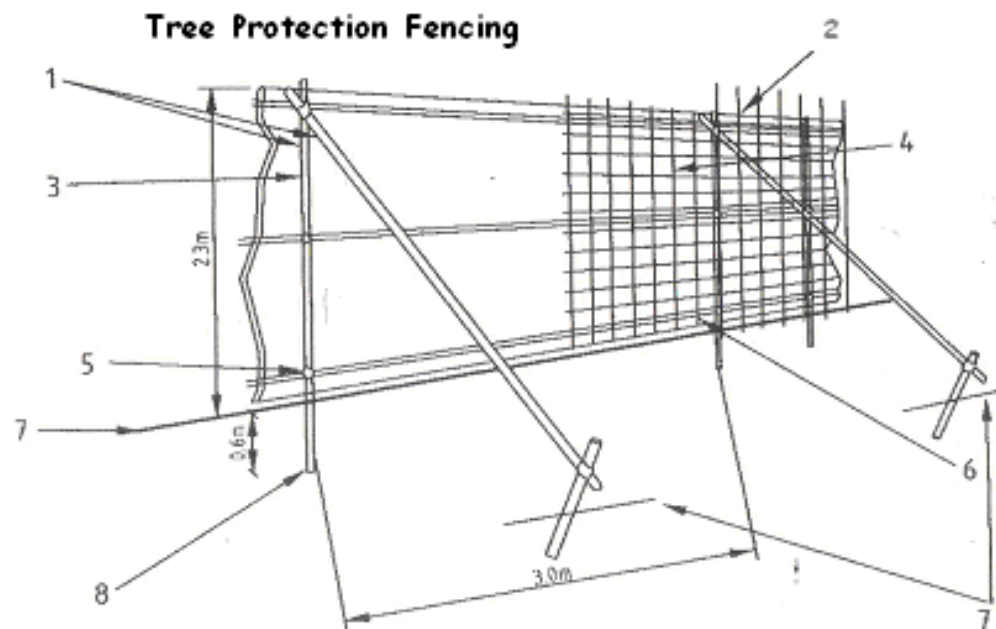
- Once the tree protection measures are in place then construction work can commence.
- Services for the development are to be located as indicated on the plans with the service runs agreed with the architect and service providers before any excavation work commences. No services to be located within 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 protective can be removed.
- Ground preparation may be required and could include light cultivation of the surface of the soil to enable seeding or turfing. Such light cultivation would not exceed 5cm and therefore have no impact on the existing trees.

7.0 Appendix A – Tree Protection Details

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

