

# WOLD ECOLOGY LTD

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## Arboricultural Assessment – Draft (Ver 1)

Grange Farm  
East Newton Road  
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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 the proposed conversion of redundant farm buildings, creating of boat storage area and parking at Grange Farm, East Newton, East Riding of Yorkshire.

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

### 2.1 Location - Plan 1a



2.2 Tree Survey – Plan 1b



### 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)

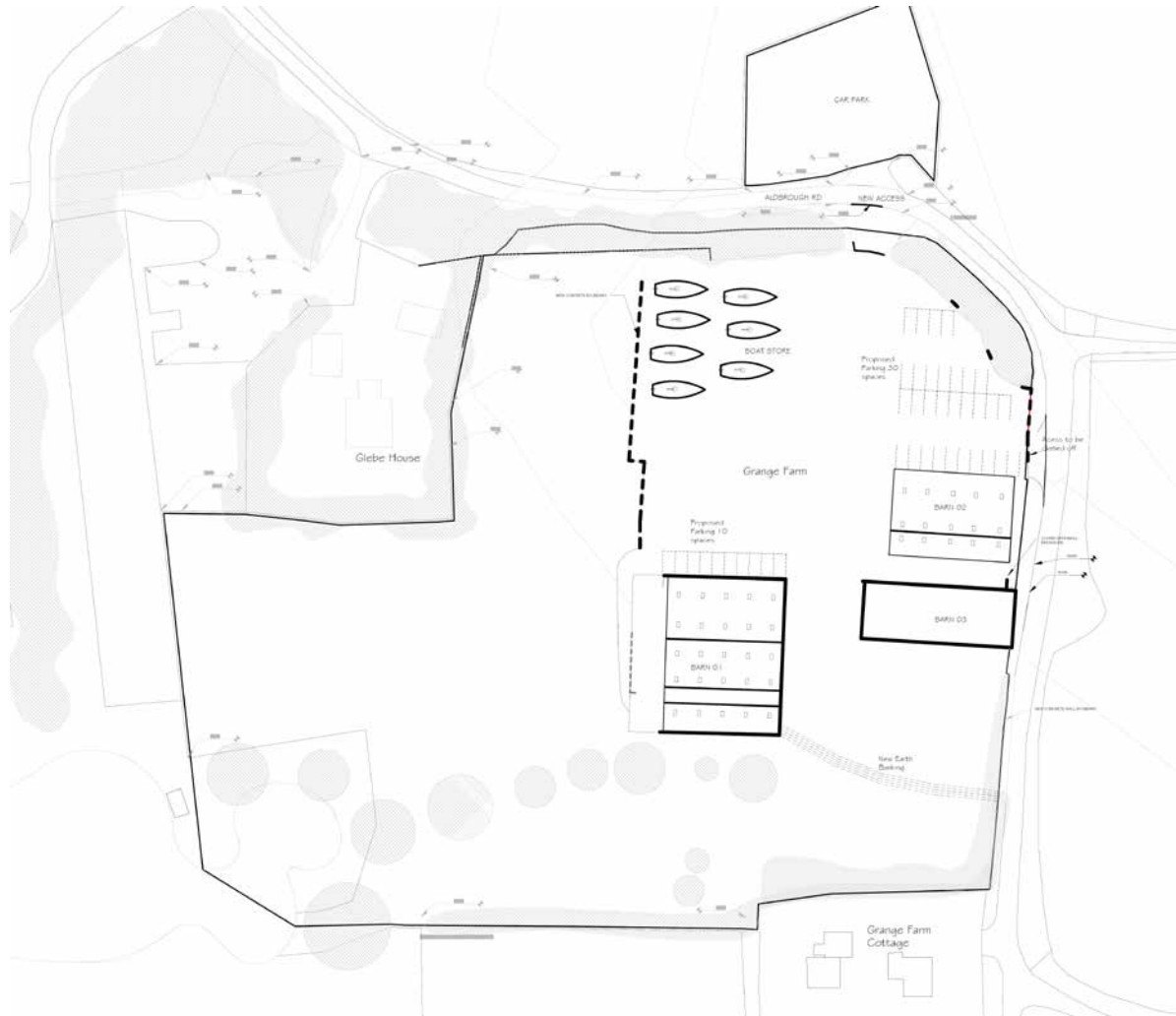
Tree no	Species	Height	Stem Dia RPA	Branch Spread	Crown Height	Age Glass	Physiological Condition	Structural Condition	Preliminary Management Recommendations	Useful life Expectancy	Category Grading
G1	Boundary hedge	4m	200e 2.4m	2m	-	M	Poor	Poor	No action Blackthorn, 95%, elderberry and elm 5%	30+	C2
G2	Sycamore	6m To 9m	150mm to 300mm	4m	1m	M	Fair	Fair	No action Wind swept trees planted 2m spacing.	30+	C2
G3	Blackthorn Scrub	4m	200e 2.4m	2m	-	M	Fair	Fair	No action	30+	C2
G4	Willow (4 multi stemmed)	5m	200mm 2.4m	2m	1m	M	Good	Good	No action	30+	C2
T5	Willow	7m	400e 4.8m	5m	1m	M	Fair	Fair	No action	30+	C2
G6 A & B	Globe Farm trees	4m To 16m	100 To 500m	4m	1m	M	Good	Good	No action Trees on adjacent land G6A - Sycamore., poplar, hawthorn, fruit trees, G6B - cypress	30+	C2
G7	Sycamore 9 trees	16m	300 To 600e 7.2m	5m	2m	M	Good	Good	No action	30+	B2

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
G8	Poplar 2 Sycamore 3	15m	300mm To 400mm  4.8m	4m	2m	M	Good	Good	No action Trees on adjacent land	30+	C2
H9	Existing Hawthorn Hedge	4m	200e  2.4m	2m	-	MA	Fair	Fair	No action	30+	C2
G10	Trees around pond	7m	250e  3.0m	3n	1n	MA	Good	Good	No action Whitebeam, lime, Rowan, horse chestnut, willow, oak, sycamore, hawthorn	30+	C2
G11	Mature sycamore	10m To 17m	450 To 850  10m	2m To 9m	3m	M	Good	Good	No action 16 mature sycamore trees	30+	B2



## 4.0 ARBORICULTURAL IMPLICATIONS ASSESSMENT

### 4.1 Proposed Layout (Plan 2A)



## **4.2 Tree Removal and Proximity to Remaining Trees**

- 4.2.1 The proposed development has been altered significantly to allow for all trees to be retained on site. New access to the site will involve trimming of G4 and G2 to aid sight lines.
- 4.2.2 It is recommended that prior to site works commencing, a tree protection plan is produced and adhered to during the site works.