

ARBORICULTURAL REPORT

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1. INTRODUCTION

Background: LSDP were appointed to prepare an Arboricultural Survey & Report to satisfy Local Authority requirements in respect to a site north of Stapleford, between Haverhill Road and Hinton Way. The site comprises approximately 39ha of agricultural land (predominantly arable, with a small section of pasture). The proposal is for a new retirement village to be developed on a land parcel to the south east. Bordering this area and extending through the entire site will potentially be the Cambridge Autonomous Metro, linking Cambridge Station with Granta Park.

2. TREE SURVEY

Generally: The site comprises open agricultural land and other than a small isolated conifer plantation to the north-west, all of the trees and hedgerows recorded in the survey are located around the site periphery; the majority of the vegetation relates to established agricultural boundaries and comprises mixed species native hedgerows, with occasional trees. The mixed hedgerows are traditional forms of enclosure that contribute to local landscape character and are mostly recorded as 'B2' category (moderate landscape value). The land is bordered in places by domestic curtilage and orchard and some of the vegetation in these areas is recorded as 'C2' category (low landscape value) due to it being immature or inappropriate species; the conifer plantation is also recorded as 'C2' category as it is of no special arboricultural, landscape, or cultural value and is not in keeping with the surroundings.

3. ARBORICULTURAL IMPLICATIONS & IMPACT ASSESSMENT

Preliminary Assessment: The existing vegetation is mostly associated with hedgerows located around the site periphery; there is a general absence of large or mature trees and the site is largely unaffected by arboricultural constraints.

The proposed site access and highway improvements will require the removal of the southern section of the H10 hawthorn hedgerow for a length of approximately 250m. A replacement length of new hedgerow will be planted behind the visibility to close the gap and mitigate this loss.

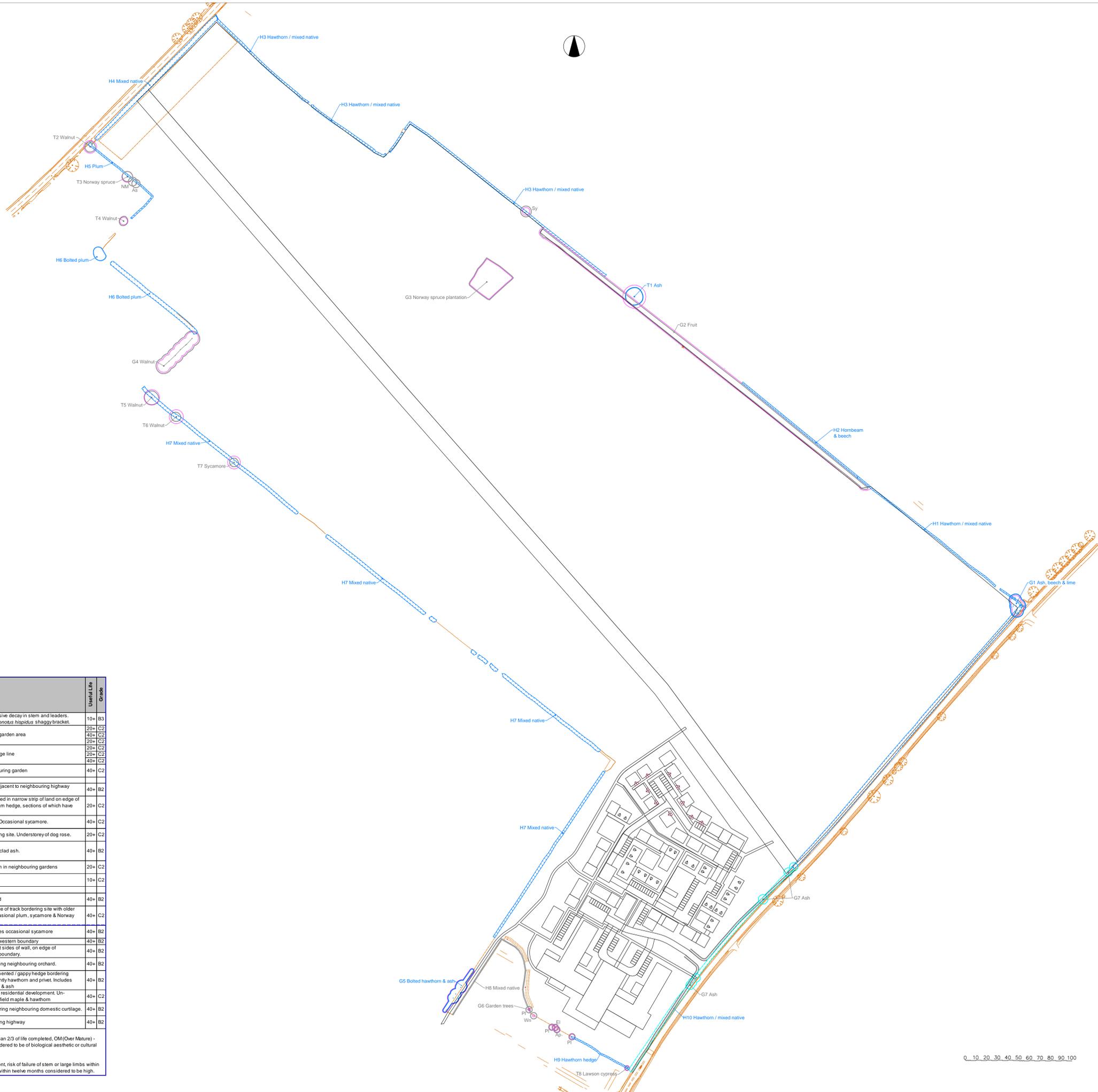
The indicative layout for the retirement village includes extensive landscape buffers to its periphery and as such is unlikely to pose any significant arboricultural implications on existing vegetation. The development proposal allows provision for further hedgerow and tree planting also for improved management / gapping up of existing hedge lengths to the south of the site, that are currently becoming fragmented.

4. TREE PROTECTION

Generally: A detailed scheme of tree protection shall be provided once the development proposals have been finalised.

Ref	Species	Stem Dia (mm)	Height (m)	Can clear (m)	Br. clear (m)	Age Class	Physiology	Structural Condition	Arboricultural Value	Landscape Cultural / Conservation Value	General observations	Useful Life	Grade
T1	Ash	900	14	1	N.A	O	M	P	L	L	M	10+	B3
T2	Walnut	500	12	1	N.A	M	N	F	L	L	L	20+	C2
T3	Norway spruce	350	12	2	N.A	M	N	F	L	L	L	40+	C2
T4	Walnut	300	9	2	N.A	M	N	F	L	L	L	20+	C2
T5	Walnut	600	9	0	N.A	M	N	F	L	L	L	20+	C2
T6	Walnut	550	9	0	N.A	M	N	F	L	L	L	20+	C2
T7	Sycamore	500	10	2	N.A	M	N	F	L	L	L	40+	C2
T8	Lawson cypress	200	9	2	N.A	Y	N	F	L	L	L	40+	C2
G1	Ash, beech and lime	400	10	0	N.A	M	N	F	L	M	M	40+	B2
G2	Fruit	200	4	8	0	N.A	M	N	F	L	L	20+	C2
G3	Norway spruce plantation	250	9	13	0	N.A	M	N	F	L	L	40+	C2
G4	Walnut	500	12	14	3	N.A	M	N	F	L	L	20+	C2
G5	Bolted hawthorn & ash	500	11	2	N.A	M	N	F	L	M	M	40+	B2
G6	Garden trees	100	3	8	2	N.A	Y	N	F	L	L	20+	C2
G7	Ash	300	8	10	3	N.A	M	N	F	L	M	10+	C2
H1	Hawthorn / mixed native	100	2.5	0	N.A	M	N	F	L	M	M	40+	B2
H2	Hornbeam & beech	50	1.5	0	N.A	Y	N	F	L	L	L	40+	C2
H3	Hawthorn / mixed native	100	2.5	0	N.A	M	N	F	L	M	M	40+	B2
H4	Mixed native	100	2	0	N.A	M	N	F	L	M	M	40+	B2
H5	Plum	50	4	0	N.A	M	N	F	L	M	L	40+	B2
H6	Bolted plum	150	5	7	0	N.A	M	N	F	L	M	40+	B2
H7	Mixed native	100	1.5	0	N.A	M	N	F	L	M	M	40+	B2
H8	Mixed native	50	4	6	0	N.A	Y	N	F	L	L	40+	C2
H9	Hawthorn	100	4	0	N.A	M	N	F	L	M	M	40+	B2
H10	Hawthorn / mixed native	150	2.5	0	N.A	M	N	F	L	M	M	40+	B2

NOTES & ABBREVIATIONS:
Age Class: Y (Young) - Less than 1/3 of life completed, M (Middle Aged) 1/3 - 2/3 of life completed, M (Mature) - more than 2/3 of life completed, OM (Over Mature) - more than 2/3 of life completed and declining, V (Veteran) - Veteran trees have no precise definition but are trees considered to be of biological aesthetic or cultural value because of their age.
Physiology: N - Normal, P - Poor, D - Dying. Given relative to species, age and location.
Structural Condition: G (Good) - No, or remediable physical defects or decay, F (Fair) - Physical defects or decay present, risk of failure of stem or large limbs within twelve months considered to be low, P (Poor) - Physical defects or decay present, risk of failure of stem or large limbs within twelve months considered to be high.



KEY

- 'B' Category Tree / Hedge
- 'C' Category Tree / Hedge
- Root Protection Area (RPA)
- Trees / Hedges to be removed / cut

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

Revisions :

Land & Sculpture Design Partnership
 LANDSCAPE ARCHITECTURE · SCULPTURE · ARBORICULTURE

SITE : Stapleford Down - Proposed Retirement Village
 DRG : Tree Survey & Preliminary AIA
 DRN BY : GH
 SCALE : 1:1250 @ A0
 DATE : Jan 2020
 No : LSDP 1443.01

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