

ARBORICULTURAL REPORT

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1. INTRODUCTION

Background: LSDP were appointed to prepare an Arboricultural Survey & Report, to inform the design process and satisfy Local Authority requirements relating to a proposed scheme of residential development, on land off High Green, Brooke. The report is based on survey information collected in February 2019.

The Site: The site is a rectangular-shaped piece of land adjoining the western edge of the existing settlement. The site comprises former agricultural land, which is reverting to scrub; the land is bisected by a watercourse / hedgerow and a mixed tree belt has been established along the western edge of the land; the remainder is grassland reverting to scrub.

To the north and west, the site is bordered by open arable land, to the east by the existing settlement; the boundary here is defined by a piecemeal mixture of garden hedges and fences and partly by fragmented lengths of mixed native hedge that are remnants of the former agricultural enclosure. To the south, the site is bordered by High Green (lane / public highway), the boundary here is defined by a mixed native hedgerow, that has had its height managed, but has not been faced up in recent years, resulting in blackthorn thicket encroachment into adjacent areas.

2. TREE SURVEY

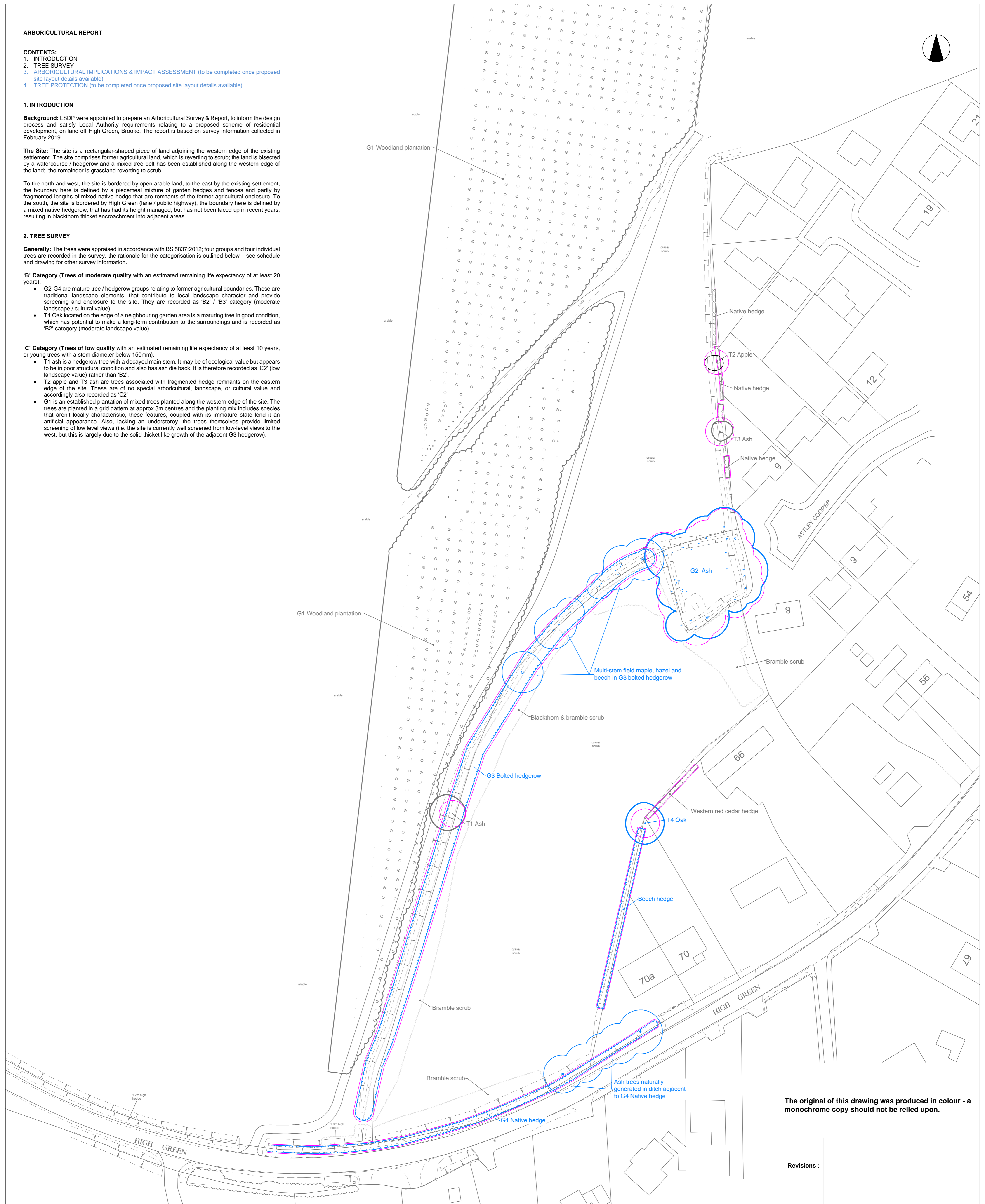
Generally: The trees were appraised in accordance with BS 5837:2012; four groups and four individual trees are recorded in the survey; the rationale for the categorisation is outlined below – see schedule and drawing for other survey information.

'B' Category (Trees of moderate quality with an estimated remaining life expectancy of at least 20 years):

- G2-G4 are mature tree / hedgerow groups relating to former agricultural boundaries. These are traditional landscape elements, that contribute to local landscape character and provide screening and enclosure to the site. They are recorded as 'B2' / 'B3' category (moderate landscape / cultural value).
- T4 Oak located on the edge of a neighbouring garden area is a maturing tree in good condition, which has potential to make a long-term contribution to the surroundings and is recorded as 'B2' category (moderate landscape value).

'C' Category (Trees of low quality with an estimated remaining life expectancy of at least 10 years, or young trees with a stem diameter below 150mm):

- T1 ash is a hedgerow tree with a decayed main stem. It may be of ecological value but appears to be in poor structural condition and also has ash die back. It is therefore recorded as 'C2' (low landscape value) rather than 'B2'.
- T2 apple and T3 ash are trees associated with fragmented hedge remnants on the eastern edge of the site. These are of no special arboricultural, landscape, or cultural value and accordingly also recorded as 'C2'.
- G1 is an established plantation of mixed trees planted along the western edge of the site. The trees are planted in a grid pattern at approx 3m centres and the planting mix includes species that aren't locally characteristic; these features, coupled with its immature state lend it an artificial appearance. Also, lacking an understorey, the trees themselves provide limited screening of low level views (i.e. the site is currently well screened from low-level views to the west, but this is largely due to the solid thicket like growth of the adjacent G3 hedgerow).

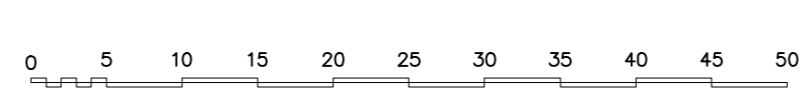


The original of this drawing was produced in colour - a monochrome copy should not be relied upon.

| Ref | Species | Stem Dia (mm) | Height (m) | Can. clear (m) | Br. clear (m) | Age Class | Physiology | Structural Condition | Arboricultural Value | Landscape Value | Cultural / Conservation Value | General observations | Useful Life | Grade |
|-----|---------------------|---------------|------------|----------------|---------------|-----------|------------|----------------------|----------------------|-----------------|-------------------------------|--|-------------|-------|
| T1 | Ash | 300 | 11 | 3 | N.A | M | N | P | L | L | M | Located in bolted hedge. Decay in stem at 4m height with woodpecker holes. | 10+ | C2 |
| T2 | Apple | 300 | 7 | 2 | N.A | M | N | F | L | L | L | Located on ditch bank, east of site | 20+ | C2 |
| T3 | Ash | 350 | 9 | 2 | N.A | M | N | F | L | L | L | Located on ditch bank, east of site | 20+ | C2 |
| T4 | Oak | 350 | 10 | 3 | N.A | M | N | F | L | M | M | Located in neighbouring garden | 40+ | B2 |
| G1 | Woodland plantation | 250 | 7-10 | 1 | N.A | EM | N | F | L | L | L | Located to west and north of site. Includes pine, oak, cherry, ash and sweet chestnut | 40+ | C2 |
| G2 | Ash | 200 | 15 | 1 | N.A | M | N | F | L | M | M | Overgrown area bordered by ditches on eastern edge of site. Predominantly ash, with some understorey of hedge remnant field maple, hawthorn and hazel | 20+ | B2 |
| G3 | Bolted hedgerow | 200 | 4-8 | 0 | N.A | M | N | F | L | M | M | Bolted hedge on watercourse bisecting site. Includes blackthorn, hawthorn field maple, beech and ash | 40+ | B2 |
| G4 | Native hedge | 250 | 2 | 0 | N.A | M | N | F | L | M | M | Roadside hedgerow, predominantly blackthorn and hawthorn with sucker growth extending into adjacent areas. Includes linear group of ash trees approx 12m high established in ditch / hedgerow, which have formed a closed canopy that is suppressing the hedgerow section below. | 20+ | B2 |

KEY

- 'B' Category Tree / Hedge
- 'C' Category Tree / Hedge
- Root Protection Area (RPA)
- Scrub



Revisions :

Land & Sculpture Design Partnership
LANDSCAPE ARCHITECTURE · SCULPTURE · ARBORICULTURE

SITE : Land off High Green, Brooke
DRG : Tree Survey, AIA & Protection Plan
DRN BY : GH
SCALE : 1:500 @ A1
DATE : March 2019
No : LSDP 1298.01

OCTAGON HOUSE · THE WATER RUN · HITCHAM · IPSWICH · IP7 7LN
T : 01449 740272 · E : LSDP@btinternet.com