

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 the proposed construction of a commercial building with car parking and a drainage basin and a length of new access track connecting to the existing access at Stoney Brook Farm. This report is based on survey information collected in December 2024.

The Site: The site comprises a piece of land at the southern end of the existing property curtilage, which is bordered by arable land to the east and south and by the grounds of Brookview Nursery to the west.

2. TREE SURVEY

Generally: The trees were appraised in accordance with BS5837:2012 and survey details of 26 individual trees and 8 groups were recorded; the rationale for categorisation is outlined below, please see schedule and drawing opposite for other survey information.

- **'A' Category Trees (Trees of high quality** with an estimated remaining life expectancy of at least 40 years): T28-30 Oak are large mature trees, located on the site frontage where they contribute to local landscape character and the Eastgate Lane corridor. They are recorded as 'A2' category (High landscape value)
- **'B' Category Trees (Trees of moderate quality** with an estimated remaining life expectancy of at least 20 years): T17 and 18 Weeping willow are a pair of trees located either side of the site access; they are not characteristic of the local landscape but nonetheless make a pleasant entrance feature. T6 sycamore, T26 oak and T27 are mature trees located around and adjacent to the southern end of the site, where they contribute to the local surroundings. These trees are recorded as 'B2' category (Moderate landscape value).
- **'C' Category Trees (Trees of low quality** with an estimated remaining life expectancy of at least 10 years, or young trees with a stem diameter below 150mm): The remaining trees include various saplings planted within the site, rows of hybrid poplar Leyland cypress and other trees planted on land adjacent to the site. These trees are of no special arboricultural, landscape, or cultural value and are recorded as 'C2' category (Low landscape value).

3. ARBORICULTURAL IMPLICATIONS & IMPACT ASSESSMENT

Encroachment into Root Protection Areas (RPAs): The proposed building and pavement extension encroach into the RPAs of some of the G6 trees. The pavement will be constructed 'no-dig' and incorporate permanent ground protection as per the detail below. The building encroaches only minimally and given the young age and vigour of the trees, can be constructed with no significant impact. To achieve this, it will be necessary for the ground floor level of the building to be set at a height that accommodates the adjacent 'no-dig' surface and does not require ground levels within RPAs beyond the footprint of the building to be disturbed.

4. TREE PROTECTION

Generally: Before any machinery or materials are brought onto site and before any demolition, development or stripping of soil commences, The Root Protection Area (RPA) indicated on the drawing shall be set out and Protective Barriers and Ground protection installed as shown on the drawing.

The Protective Barriers and Ground Protection shall not be removed or altered without prior recommendation by an arboriculturist and approval of the local planning authority.

RPAs shall be subject to the following restrictions:

- I. Existing soil levels within the protected areas shall not be altered
- II. No excavation of any kind shall take place within the protected areas.
- III. The protected areas shall not be used for storage of any kind.
- IV. No vehicles or machinery shall be allowed into the areas protected by barriers
- V. Should the developer require the above restrictions to be breached for unforeseen reasons, an appropriate method of works must be agreed with the Local Authority prior to any works taking place within the protected areas.

Protective Barriers: Protective Barriers shall be erected to prevent access into designated areas around retained trees. Once installed, all weather notices shall be attached to each barrier with words such as: "Construction Exclusion Zone – No Access". Protective Barriers shall be erected in accordance with BS5837: 2012 Fig 2.

Ground Protection: Ground protection shall be installed where access is required through designated areas around trees

Temporary ground protection shall comprise heavy-duty interlocking ground protection boards laid over a 50mm minimum depth of wood chip, over a geotextile membrane.

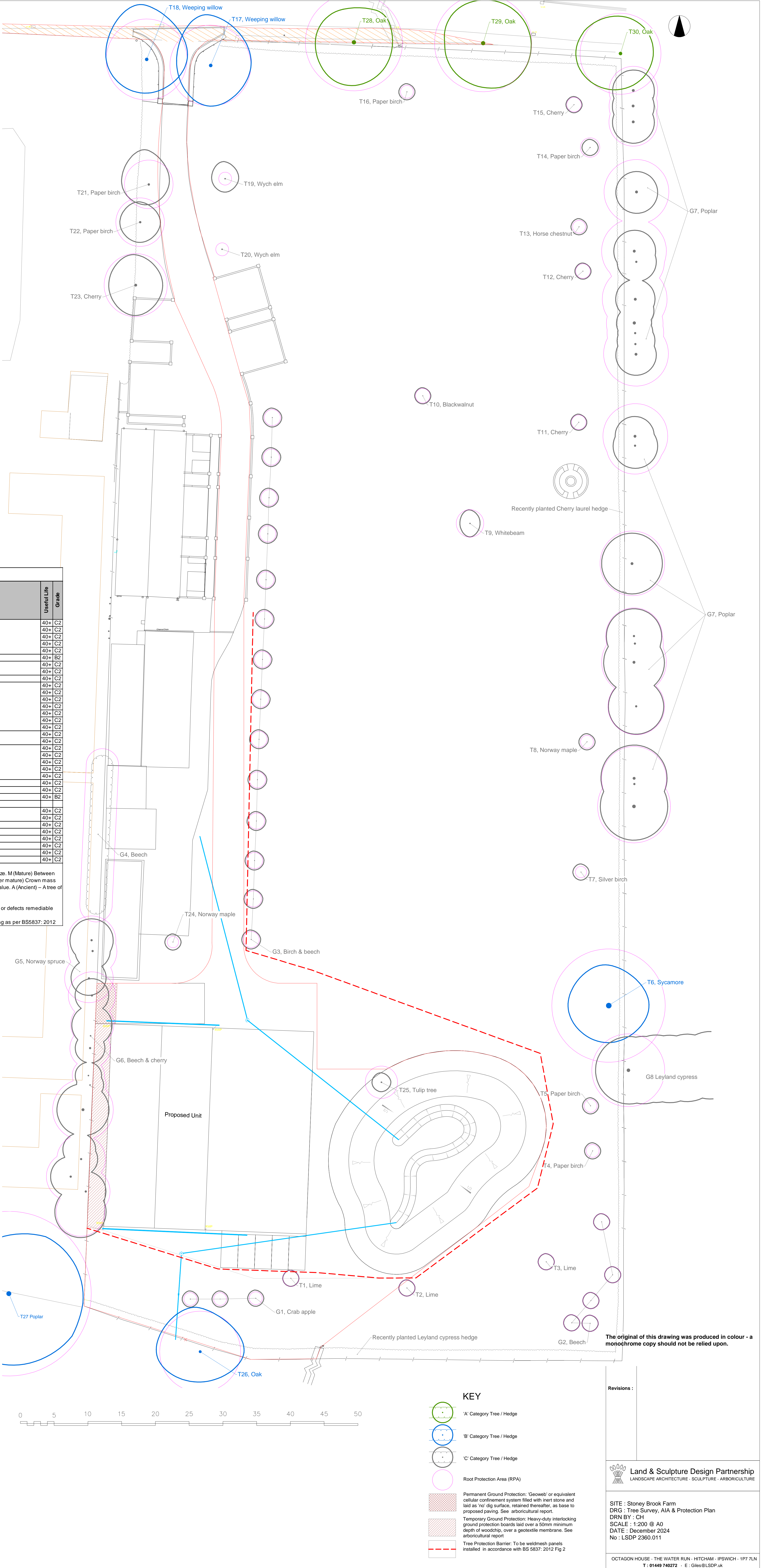
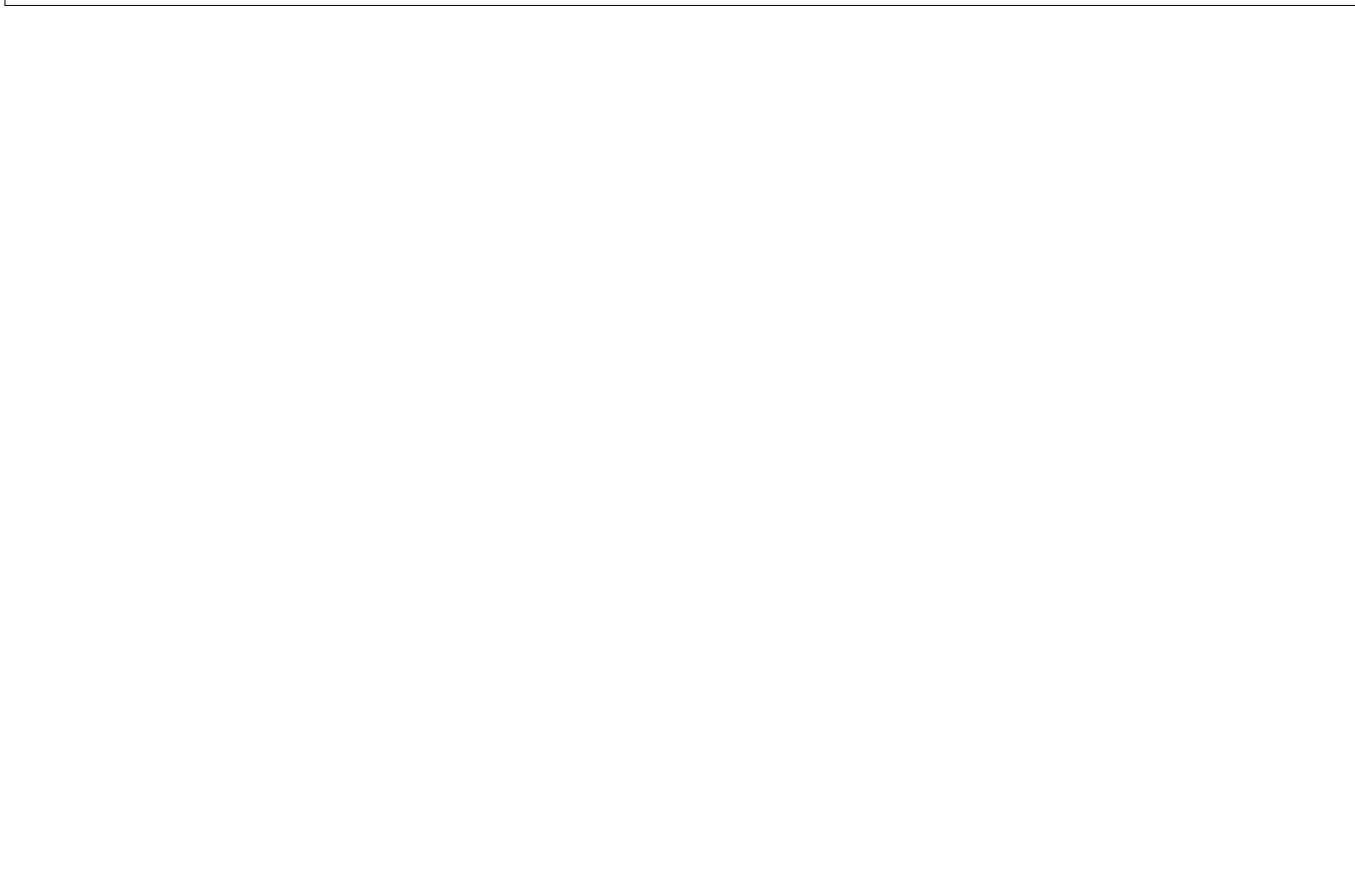
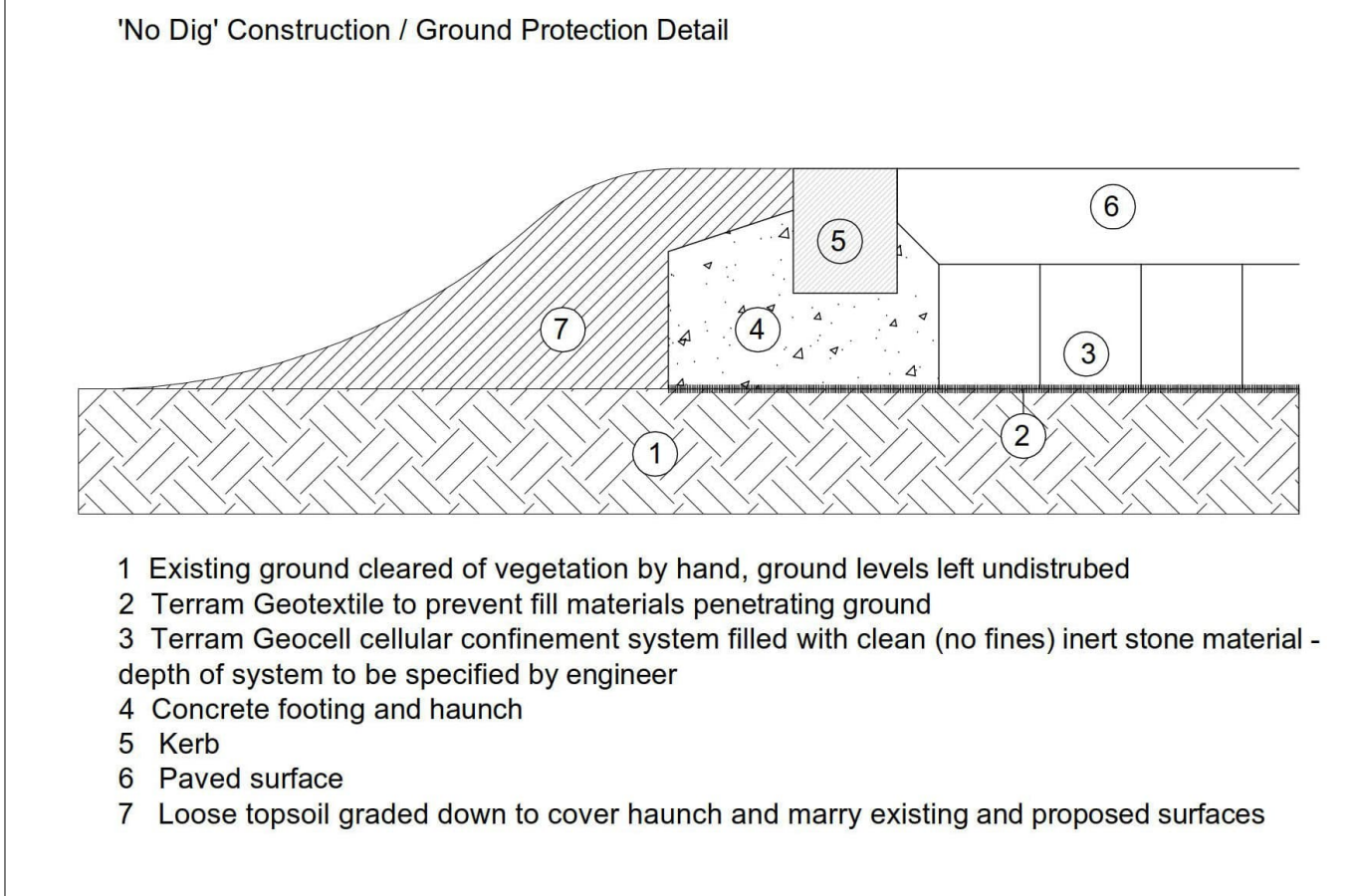
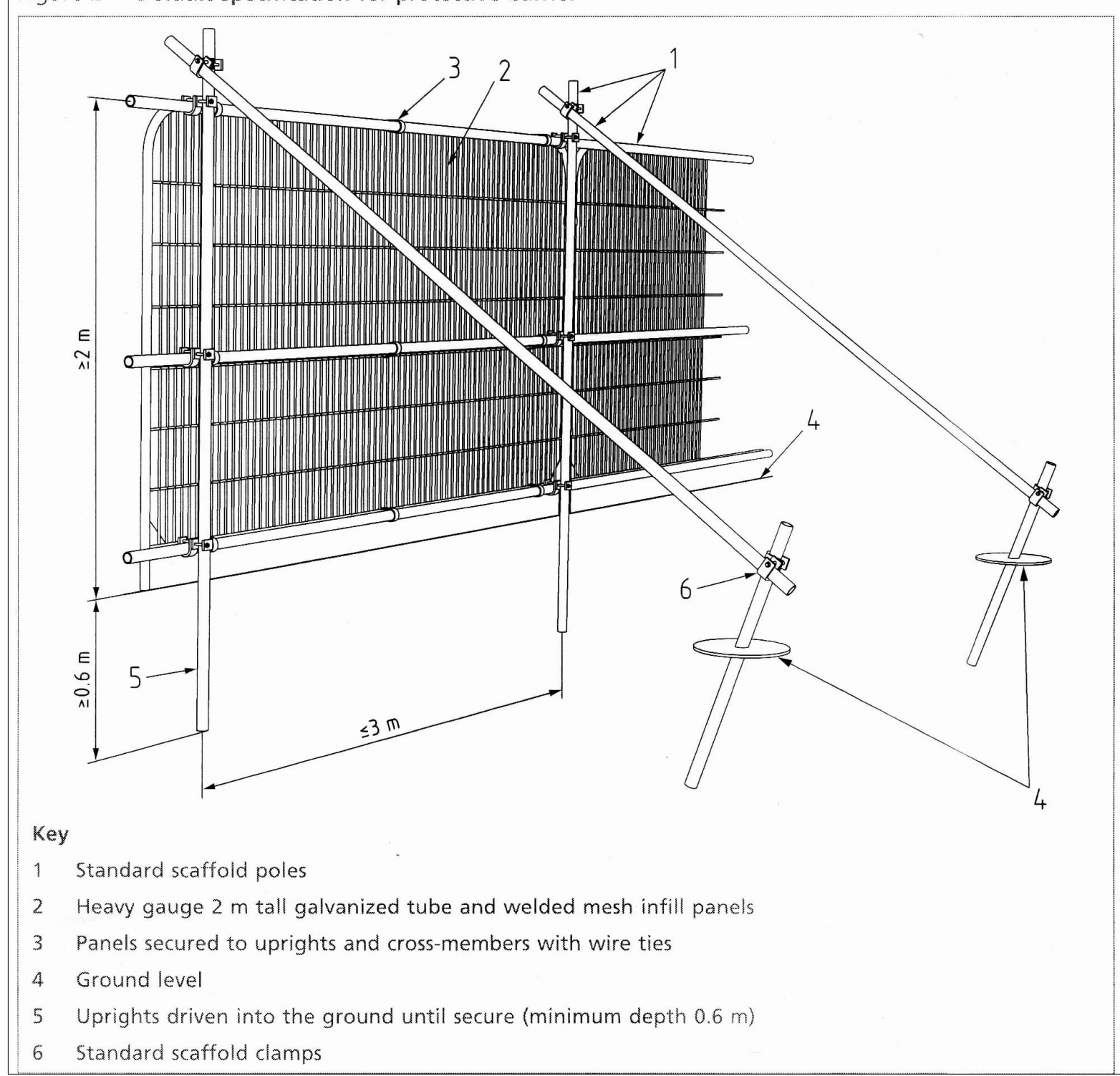
Permanent ground protection shall take the form of a permeable surface laid on a cellular confinement system, constructed using a no-dig specification. See diagram below.

TREE SURVEY SCHEDULE

Ref	Species	Stem Dia (mm)	Stems	Height (m)	Can. clear (m)	Br. clear (m)	Age Class	Physiology	Structural Condition	Arboricultural Value	Landscape Value	Cult/Com Value	General observations	Useful Life	Grade
T1	Lime	100	1	4	1.5	NA	Y	G	G	L	L	L		40+	C2
T2	Lime	100	1	4	1.5	NA	Y	G	G	L	L	L		40+	C2
T3	Lime	100	1	4	1.5	NA	Y	G	G	L	L	L	Saplings	40+	C2
T4	Paper birch	75	1	4	1	NA	Y	G	G	L	L	L		40+	C2
T5	Paper birch	75	1	5	1	NA	Y	G	G	L	L	L		40+	C2
T6	Sycamore	1700	1	15	2	NA	M	G	G	L	M	L	Mature eastern boundary of site	40+	B2
T7	Silver birch	70	1	5	1	NA	Y	G	G	L	L	L		40+	C2
T8	Norway maple	80	1	4.5	1	NA	Y	G	G	L	L	L	Sapplings planted in field	40+	C2
T9	Whitebeam	170	1	13	1.5	NA	EM	G	G	L	L	L	Small ornamental tree	40+	C2
T10	Blackwalnut	85	1	5	1	NA	Y	G	G	L	L	L		40+	C2
T11	Cherry	90	1	4	1	NA	Y	G	G	L	L	L		40+	C2
T12	Cherry	90	1	5	1	NA	Y	G	G	L	L	L		40+	C2
T13	Horse chestnut	75	1	3	1	NA	Y	G	G	L	L	L	Saplings	40+	C2
T14	Paper birch	120	1	5.5	1.5	NA	Y	G	G	L	L	L		40+	C2
T15	Cherry	90	1	5	1	NA	Y	G	G	L	L	L		40+	C2
T16	Paper birch	75	1	5.5	1	NA	Y	G	G	L	L	L		40+	C2
T17	Weeping willow	650	1	12	3	NA	M	G	G	L	L	L	Pair of large trees either side of site entrance	40+	C2
T18	Weeping willow	650	1	12	3	NA	M	G	G	L	L	L		40+	C2
T19	Wych elm	80	1	8	1	NA	Y	G	G	L	L	L		40+	C2
T20	Wych elm	80	1	6	1	NA	Y	G	G	L	L	L		40+	C2
T21	Paper birch	300	1	7	1.5	NA	EM	G	G	L	L	L	Trees adjacent to driveway	40+	C2
T22	Paper birch	300	1	7	1.5	NA	EM	G	G	L	L	L		40+	C2
T23	Cherry	390	1	4	1.5	NA	EM	G	G	L	L	L		40+	C2
T24	Norway maple	65	1	4	1	NA	Y	G	G	L	L	L	Sapling	40+	C2
T25	Tulip tree	200	1	5	1	NA	EM	G	G	L	L	L	Small ornamental specimen tree	40+	C2
T26	Oak	500	1	10	3	NA	M	G	G	L	M	L	Tree on edge of ditch in neighbouring field	40+	B2
G1	Crab apple	80	1	5-6	1	NA	Y	G	G	L	L	L	Groups of saplings	40+	C2
G2	Beech	100	1	3-4	1	NA	Y	G	G	L	L	L		40+	C2
G3	Birch & beech	100	1	4-6	1	NA	Y	G	G	L	L	L	Row of trees adjacent to existing access road	40+	C2
G4	Beech	200	1	5-7	2	NA	EM	G	G	L	L	L	Hedge to west of site behind existing buildings	40+	C2
G5	Norway spruce	250	1	8-10	2	NA	EM	G	G	L	L	L	Group of trees on western site boundary	40+	C2
G6	Beech & cherry	300	1	7-10	2	NA	EM	G	G	L	L	L	Row of trees on edge of neighbouring site.	40+	C2
G7	Poplar	450	1	16-18	4	NA	M	G	G	L	L	L	Row of trees on edge of neighbouring field	40+	C2
G8	Leyland cypress	450	1	14-16	4	NA	M	G	G	L	L	L	Bolted hedge / row of trees on neighbouring field	40+	C2

NOTES & ABBREVIATIONS:
Age Class: Y (Young) - Y (Young) Less than 1/3 of anticipated mature size, EM (Early mature) Between 1/3 and 2/3 of anticipated mature size, M (Mature) Between 2/3 and maximum anticipated size, LM (Late mature) Maximum anticipated size stable condition, but no significant extension growth, OM (Over mature) Crown mass decreasing due to age, V (Veteran) - A tree that may not be exceptionally old, but has features of special biodiversity, cultural, or heritage value, A (Ancient) - A tree of great age, typically with features of remarkable size and veteran characteristics of exceptional value
Physiology: G - Good, F - Fair, P - Poor, D - Dying / Dead, Given relative to species, age and location.
Structural Condition: G (Good) - No significant defects, F (Fair) - Remediable defects, given light surgery, P (Poor) - Irremediable defects or defects remediable only with severe surgery
Arboricultural / Landscape / Cultural / Conservation Value: L - Low, M - Moderate - H - High: Gradings used to determine quality grading as per BS5837: 2012

Figure 2 Default specification for protective barrier



Revisions :

Land & Sculpture Design Partnership
LANDSCAPE ARCHITECTURE · SCULPTURE · ARBORICULTURE

SITE : Stoney Brook Farm
DRG : Tree Survey, AIA & Protection Plan
DRN BY : CH
SCALE : 1:200 @ A0
DATE : December 2024
No : LSDP 2360.011

OCTAGON HOUSE · THE WATER RUN · HITCHAM · IPSWICH · IP17 7LN
T : 01449 740272 · E : Giles@LSDP.uk