

**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 scheme of proposed alterations and extensions to existing buildings and the erection of a new dwelling at 1-4 Church Close, Church Lane, Sproughton. The report is based on survey information collected in November 2022.

**The Site:** The site comprises the domestic curtilage of the above property and is bordered to the north by Lower Street, to the east by Church Lane and to the south and west by neighbouring residential curtilage.

**2. TREE SURVEY**

**Generally:** The trees were appraised in accordance with BS5837:2012 and survey details of twelve individual trees and four 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):** T1-T3 Beech are large mature trees, located prominently within a lawned island on the northern part of the site, where they contribute to the surroundings and street scene. 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):** T4 Norway maple, T7 Sycamore, T10 Horse chestnut, T6, T9 & T12 Yew, are mature trees; located within the existing rear garden areas; they contribute to the surroundings but are less significant than the Beech and are therefore 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 comprise piecemeal domestic plantings, with occasional naturally generated native trees. None are of any special individual merit and they are recorded as 'C2' category (Low landscape value). Notwithstanding this, their collective presence contributes to the surroundings in terms of providing greenery, screening and enclosure.

**3. ARBORICULTURAL IMPLICATIONS & IMPACT ASSESSMENT**

**Removal of Trees:** It is proposed to remove G3 (Lawson cypress) and several of the shrubs and small trees making up G2. It is also proposed to remove a 'C' category sycamore (T11). The removal of these trees will not have a significant adverse impact on the surroundings.

**Encroachment into Root Protection Areas (RPAs):** The proposal includes some encroachments into the RPAs of existing trees to accommodate paved areas. The new paving will be constructed 'no-dig' and incorporate ground protection as per the detail below and can therefore be completed with no significant impact on the trees

**Proximity of Dwellings to Tree canopies:** The proposed layout allows adequate space around trees indicated for retention, to accommodate future growth and minimise potential issues with shading / perception of hazard in relation to dwellings and amenity spaces.

**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.

- The areas protected by barriers shall be subject to the following restrictions:
- Existing soil levels within the protected areas shall not be altered
  - No excavation of any kind shall take place within the protected areas.
  - The protected areas shall not be used for storage of any kind
  - No vehicles or machinery shall be allowed into the areas protected by barriers
  - 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.

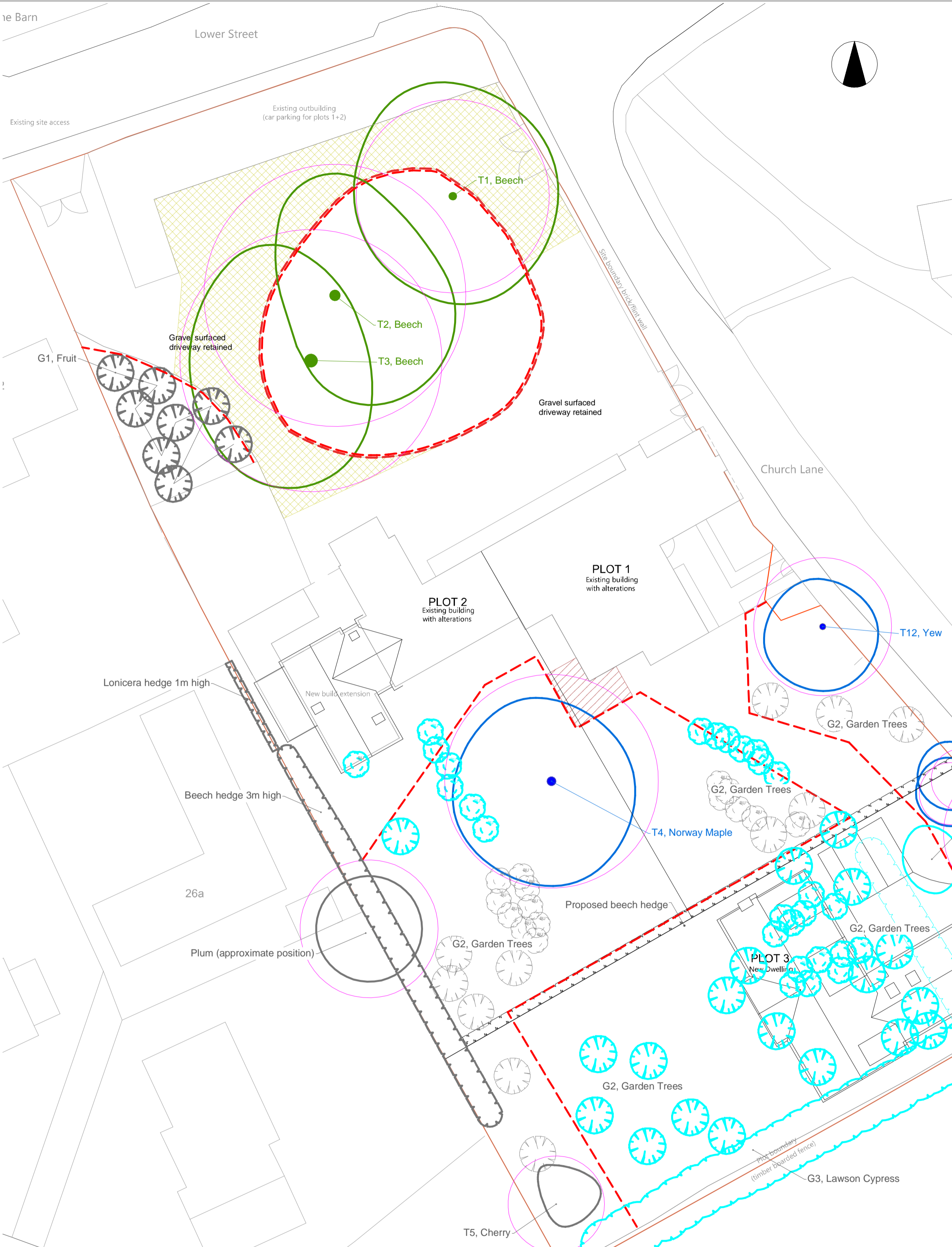
**Protective Barriers**  
Protective Barriers shall be erected to prevent access into designated areas around retained trees. Once installed, all weather notices shall be attached to each barrier with words such as: "Construction Exclusion Zone - No Access". Protective Barriers shall be erected in accordance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

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

For temporary pedestrian access during the construction phase, ground protection shall comprise scaffold boards laid over a 50mm minimum depth of sharp sand, over a geotextile membrane.

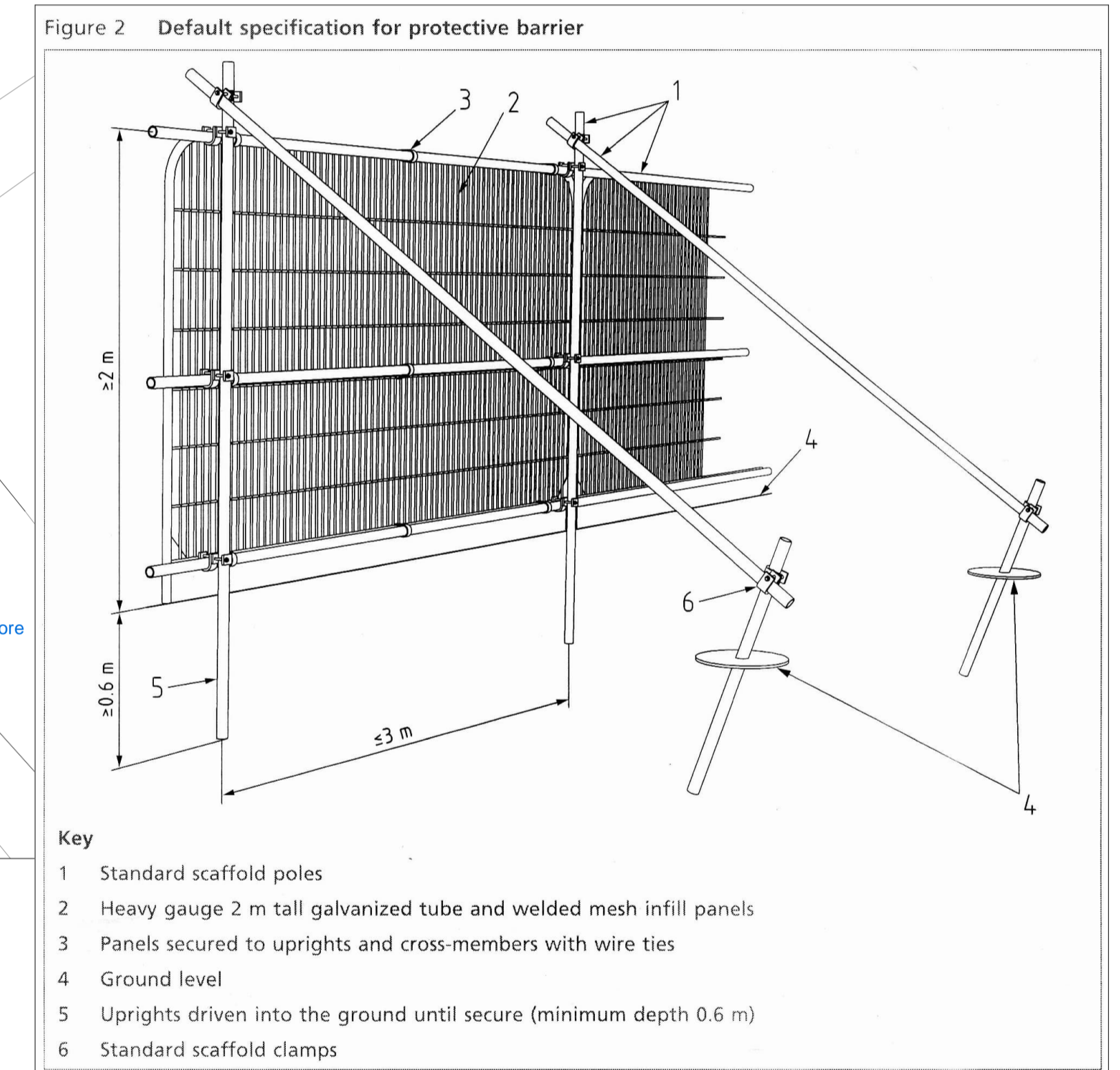
Elsewhere, permanent ground protection shall be used and shall take the form of a permeable surface laid on a cellular confinement system, constructed using a no-dig specification. See diagram opposite.

Where parts of the RPA are currently covered with hard surfacing, ground protection will not be required unless the existing surfacing is removed. Extreme care shall be taken to ensure the soil beneath the paving construction is not disturbed. The ground protection shown on the detail below shall be implemented immediately after removal of the existing hardstanding and no machinery or vehicles shall be allowed over the area whilst it is uncovered.

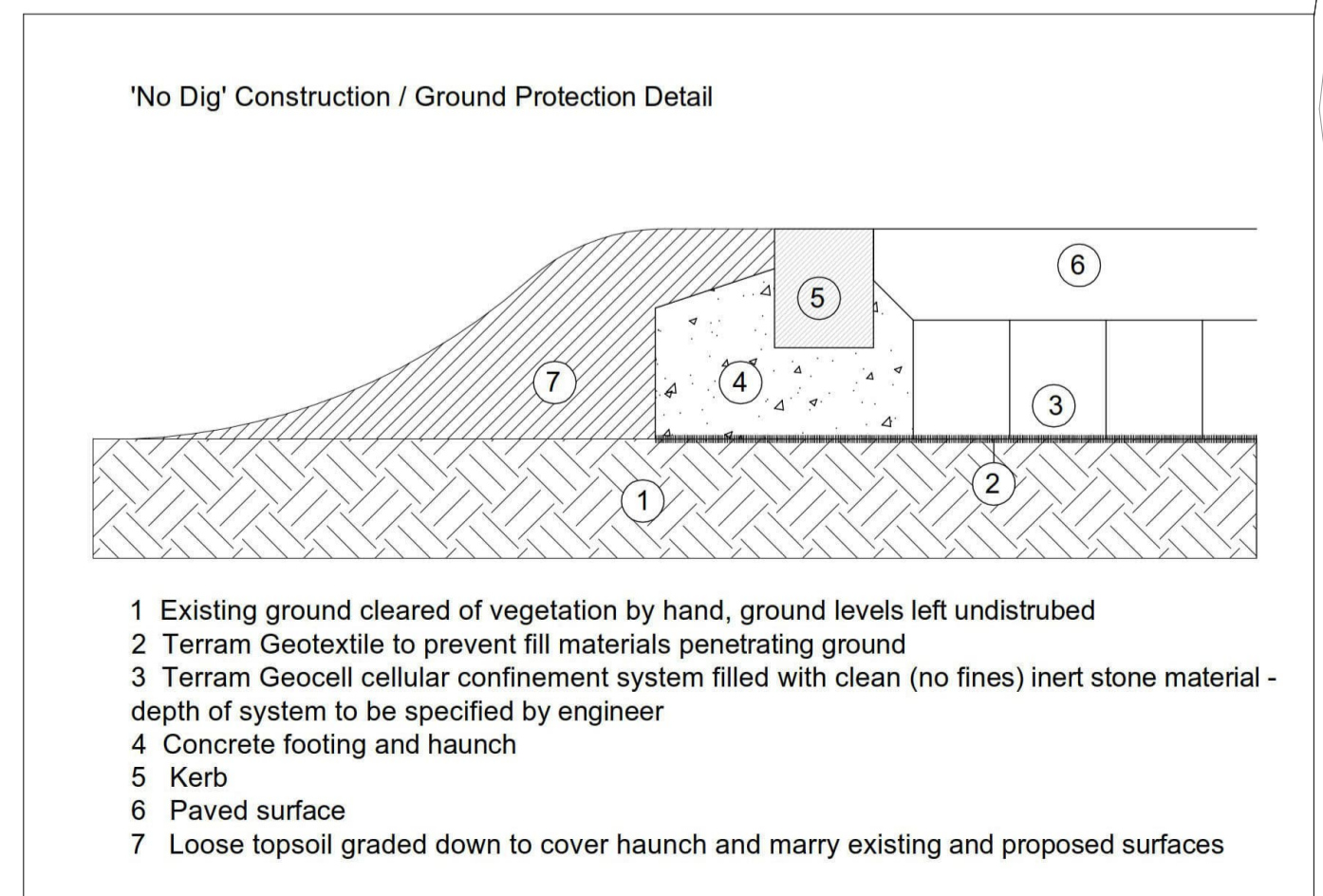


TREE SURVEY SCHEDULE															
Ref	Species	Stem Dia (mm)	Stems	Height (m)	Can. clear (m)	Br. clear (m)	Age Class	Physiology	Structural Condition	Arboricultural Value	Landscape Value	Cultural / Conservation Value	General observations	Useful Life	Grade
T1	Beech	700	1	15	3	SS	MA	N	F	L	H	M	Located in lawn area adjacent to driveway. Building materials stored against stem.	40+	A2
T2	Beech	950	1	15	4	N.A	MA	N	F	L	H	M	Located in lawn area adjacent to driveway. Stem forms four leaders at 1m height. Northern leader previously topped at 5m.	40+	A2
T3	Beech	950	1	15	4	8W	MA	N	F	L	H	M	Located in lawn area adjacent to driveway. Stem bifurcates at 1m height. Union is compressed with adaptive growth below	40+	A2
T4	Norway Maple	800	1	14	3	3S	M	N	F	L	M	L	Located in rear garden. Stem forms four main leaders at 3.5m height	40+	B2
T5	Cherry	350	1	7	2	N.A	M	P	P	L	L	L	Located adjacent to hedge. Decay in stem associated with pruning cuts. Western side of canopy has been heavily pruned	10+	C2
T6	Yew	300	1	8	0.5	N.A	M	N	F	L	M	L	Located adjacent boundary fence. Southern canopy faced up to neighbouring driveway. Suppressed by neighbouring sycamore	40+	B2
T7	Sycamore	450	1	12	1	N.A	M	N	F	L	M	L		40+	B2
T8	Oak	250	1	9	1	N.A	Y	N	F	L	L	L	Growth emphasis north - suppressed by neighbouring tree	40+	C2
T9	Yew	300	1	7	0	N.A	M	N	F	L	M	L	Sparse canopy	40+	B2
T10	Horse Chestnut	500	1	12	1	N.A	M	N	F	L	M	L	Located adjacent to boundary fence. Eastern leader previously topped	20+	B2
T11	Sycamore	200	1	9	3	N.A	Y	N	F	L	L	L		40+	C2
T12	Yew	500	1	7	0	N.A	M	N	F	L	M	L	Located adjacent to fence	40+	B2
G1	Fruit	50	1	2.5	0	N.A	Y	N	F	L	L	L	Eight young apple, pear and plum and one walnut in grass area	40+	C2
G2	Garden Trees	250	MS	5.7	0	N.A	M	N	F	L	L	L	Small ornamental trees, saplings and shrubs planted in garden area.	40+	C2
G3	Lawson Cypress	200	1	9	0	N.A	M	N	F	L	L	L	Bolted hedge with 0.5m between centres. Understorey of suppressed yew	40+	C2
G4	Yew	150	1	6	0	N.A	Y	N	F	L	L	L	Two small trees adjacent to boundary	40+	C2

**NOTES & ABBREVIATIONS:**  
**Age Class:** Y (Young) - Less than 1/3 of life completed, MA (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**
- 'A' Category Tree / Hedge
  - 'B' Category Tree / Hedge
  - 'C' Category Tree / Hedge / Saplings
  - Root Protection Area (RPA)
  - Proposed hedge
  - Tree Protection Barrier: To be weldmesh panels installed in accordance with BS 5837: 2012 Fig 2
  - Existing drive surface retained to provide ground protection during main construction phase of development. Parts of driveway will subsequently be replaced with paths constructed 'no-dig' and soft landscaping. See arboricultural report.
  - Permanent Ground Protection: Comprising 'Geoweb' or equivalent cellular confinement system filled with inert stone and laid as 'no dig' surface, retained thereafter, as base to proposed paving. See arboricultural report.
  - Temporary Ground Protection Comprising scaffold boards laid over a 50mm minimum depth of sharp sand, over a geotextile membrane. See arboricultural report



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

Revisions :	
A - 28.09.23	Proposed layout altered

**Land & Sculpture Design Partnership**  
 LANDSCAPE ARCHITECTURE · SCULPTURE · ARBORICULTURE

SITE : Church Close, Sproughton  
 DRG : Tree Survey, AIA & Protection Plan  
 DRN BY : GH  
 SCALE : 1:250 @ A1  
 DATE : December 2022  
 No : LSDP 1988.01 Rev A

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