

TREE PROTECTION PLAN (PROPOSED) GH23104b

Scale: 1:200

FIGURE 1



Existing hardstanding retained as Ground Protection

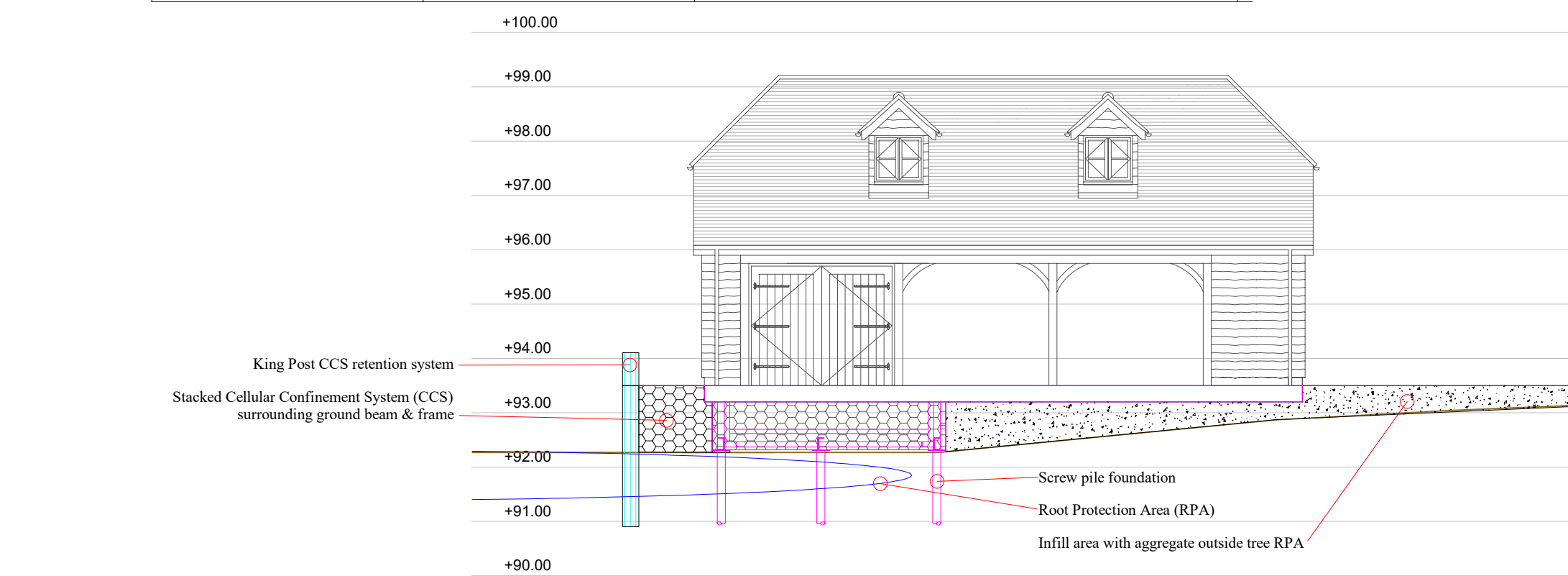
FIGURE 4



FIGURE 5

Indicative Driveway & foundation design

Scale: 1:100



https://www.trees.org.uk/Trees.org.uk/media/Trees.org.uk/Misc%20images/Bookshop/AA_GuidanceNote12_CellularConfinementSystems-Web.pdf

<https://www.geosyn.co.uk/wp-content/uploads/2020/01/Case-Study-David-Wilson-Homes.pdf>

FIGURE 2

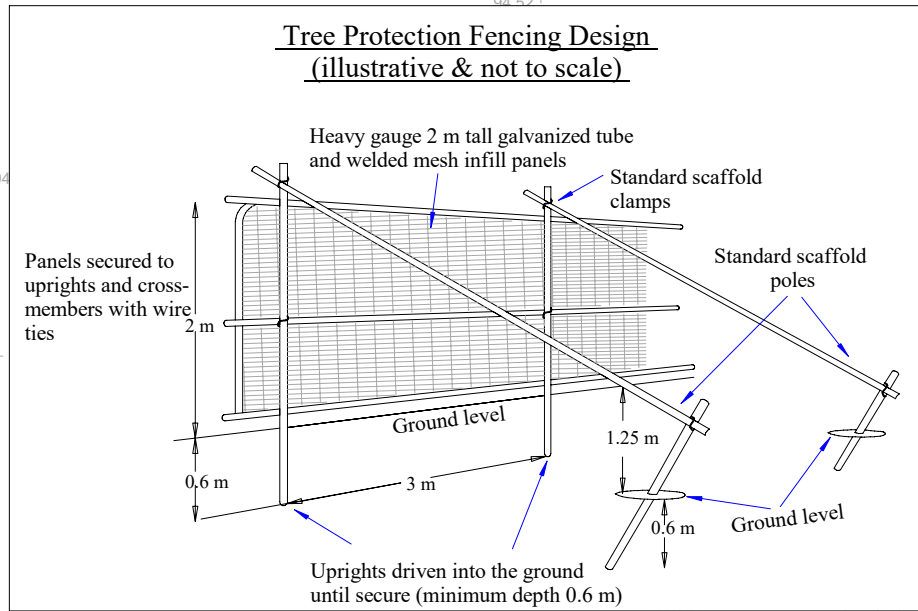
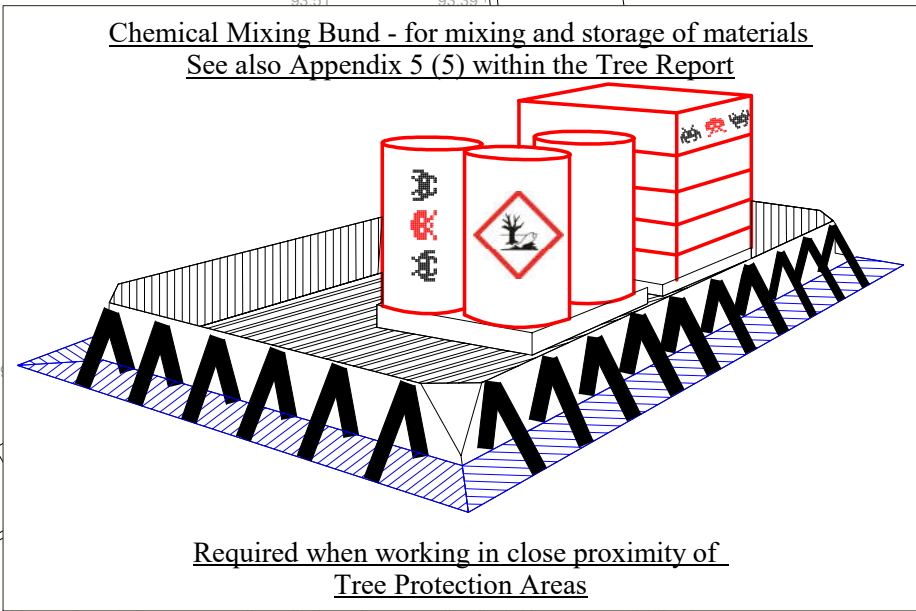


FIGURE 3



British Standard 5837:2012 Tree Categories Key	
	BS 5837:2012 Category B Tree Root Protection Area
	BS 5837:2012 Category C Tree Root Protection Area

TREE PROTECTION PLAN - LEGEND	
Tree location & number	T1 & G1
Trees for removal	
Canopy spread	
Root Protection Area	
Proposed structures	
Tree Protection Fencing demolition & construction (see section 2)	
Ground Protection (see section 2)	
Driveway retention system (King Post) (see section 3a)	
Driveway construction Cellular Confinement System (see section 3b)	
Piled foundation or similar design (detail required)	
Location of surface water service routes, soakaway, electricity, gas, broadband and water, including foul water (see section 4)	

ARBORICULTURAL IMPACT ASSESSMENT (CONSTRUCTION)	
Driveway & garage covering tree RPA	
Guidance British Standard BS5837:12 (7.4.2.3) New hard surfacing within RPA should not cover more than 20% of existing unsurfaced ground. (summary)	
(7.5.3) Any slab for a minor structure built within RPA must sit at ground level and cover no more than 20% of previously unsurfaced ground. (summary)	
Single tree within G2 Cellular Confinement System = 16% RPA Garage = 2.7% RPA Total % new hard surfacing = 18.7% RPA	
Note: Cellular Confinement System Driveway This proposed design is passive and, unlike traditional options, will not disrupt the surrounding environment, such as soil or plant roots. Its porous materials are more permeable than turf or soil, so it is debatable whether guidance on new permeable surfaces applies to its impact on tree roots.	

Site Address:
College Farm House
Pewsey Road
Upavon, SN9 6DT

Client:
Kate Scruby

Drawing Title:
Tree Protection Plan GH23104b
Arboricultural Method Statement

Rev. 02 Paper Size and Scale: A1 - As Plan
Date: 16/01/2026 Project Ref: GH23104

IMPORTANT NOTICE
This plan is based on the plans and/or site layout plans provided. All measurements must be checked with these plans and appropriate documents. All dimensions to be checked on site prior to commencement of work. Differences between drawings, specifications or structural engineer's details are to be referred immediately to GTree Ltd. Work should only be undertaken from local authority approved drawings.

THIS PLAN SHOULD BE VIEWED IN COLOUR

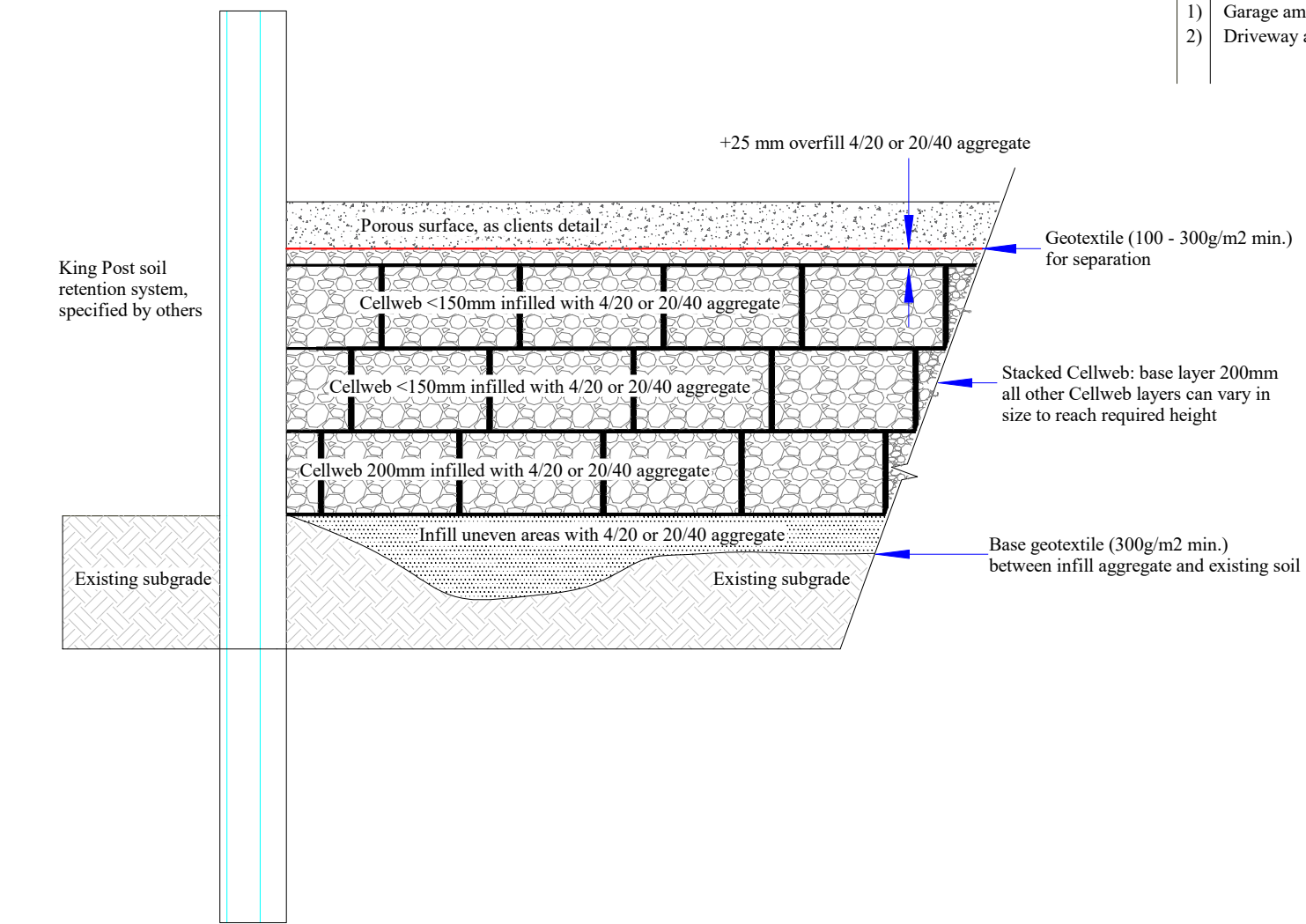
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Revisions:	
1) Garage amendment	16/01/2026
2) Driveway amendment	10/02/2026

FIGURE 6

STACKED CELLULAR CONFINEMENT SYSTEM DETAIL (not to scale)



Arboricultural Method Statement GH23104

1. Phased Development in relation to Tree Protection – in order of events A to L
A. An experienced professional must design final and temporary services, rainwater soakaways/holding tanks or waste pumps (section 4), driveway retention system (section 3a) Cellular Confinement System driveway (section 3b) and piled foundations (section 3c). Designs must show precise installation locations, cross-sections, existing/proposed levels, and include Construction Method Statements for each operation, especially if within or near tree RPAs. Approval should be secured via Planning Application conditions or in writing from the LPA Arboricultural Officer/Arboricultural Consultant before construction begins.
B. tree work - see Tree Survey Schedule within plan GH23104a
C. installation of Tree Protection measures - see section 2
D. Pre-commencement meeting, post installation of Tree Protection measures including chemical storage/mixing bund, (detailed within Figures 1, 2, 3 & 4, section 2 and plan GH23104b), and prior to construction. The pre-commencement meeting should be held and attended by developer's Arboricultural Consultant and designated site foreman to discuss details of the working procedures. A representative from the Local Planning Authority may request attendance at the meeting.
E. additional Tree Protection - see section 9.2(4) & Appendix 5(1) within Arboricultural Report GH23104
F. services installation - see section 4
G. specific construction technique - see section 3a: driveway retention system (king post)
H. specific construction technique - see section 3b: partial installation of Cellular Confinement System
I. specific construction technique - see section 3c: piled foundations
J. specific construction technique - see section 3a: complete installation of Cellular Confinement System
K. main construction & main construction completion
L. removal of Tree Protection measures - see section 5
R = Arboricultural Supervision required
The project manager must arrange Arboricultural Supervision and provide the Arboricultural Consultant with at least 48 hours' written notice. If an LPA representative wishes to attend, a 7-day notice is required. After each supervision, a written statement will be submitted to the Local Planning Authority.

2. Tree Protection Measures see also section 9.2(4) & Appendix 5 within Arboricultural Report GH23104

Tree Protection fencing design requires a scaffold frame with attached Heras Panels or steel mesh. See plan GH23104b and Figure 2 for details, and place laminated exclusion signs (Figure 1) on the fencing every 3 metres.

Heavy loading Ground Protection will use rigid Ground Guards (see Figure 4) placed on a Geotextile membrane base at locations shown on plan GH23104b. The Geotextile fabric must prevent punctures and fines from passing through. Ground Guards should be securely fixed per product specifications. If steel pins to be used, location of underground services needs checking before installation.

Chemical storage/mixing & welfare units
Chemical storage and mixing near Root Protection Areas require water-tight, chemical-resistant bunds to prevent toxic run-off (see Figure 3). Site cabins and welfare units must be placed outside Root Protection Areas unless otherwise agreed. Temporary services should remain above ground or within the facility as needed. Refer to Appendix 5 (Sections 3 & 5) in Arboricultural Report GH23104 for details on these operations.

Working Method: Tree Protection measures must remain in place during demolition and construction unless removal or relocation is approved by Local Planning Authority / site Arboricultural Consultant or specified otherwise in this report. Regularly check that protective measures are in good condition and meet the standards set out here. Include Tree Protection in on-site risk assessments and check protective fencing with the Fixed Scaffolding Safety Checklist.

Reason: The health of retained trees and their soil take precedence. Entering construction exclusion zones can harm valuable trees; barriers must be sufficient to restrict construction activity based on the nature and proximity of work.

3. Specific construction techniques (within RPA)

a) Driveway retention system (king post)

A qualified structural engineer should design this system, as outlined in section 1A.

Working Method: The installation of the retention system is required at the start of the project, but after installation of Tree Protection. The sole purpose of the retention system is to retain the Cellular Confinement System driveway and to form an even edging. All construction work must be undertaken from within the footprint of the proposed.

Reason: The soil retention system is necessary to preventing stone slip, where clear-up could impact tree health and stability.

b) Cellular Confinement System (CCS) driveway

Refer to Figures 5 & 6, for CCS recommended design. A structural engineer or person with relevant experience must design the CCS, as detailed within section 1A. Assess proposed area for visible surface roots during the design process before final approval.

Working Method: Tree Protection will require removal prior to installing CCS. Notify the site's Arboricultural Consultant before commencement of work to arrange site supervision. Installation should be completed in two parts. First a layer of 200mm deep cells should be installed prior to piled foundations. Upon completion of foundations and walls up to proposed ground level, the remaining CCS can be installed. Keep all vehicles outside unprotected tree Root Protection Area (RPA). Vegetation may be removed with an appropriate pesticide that is safe for tree roots or by stripping the top 50 mm of vegetation and humus only, with consideration of surface tree roots. Use hand tools for materials unless vehicle use is necessary within RPA, in which case support it with Ground Guards. CCS cell depth should be at least 200 mm base layer and layers of varying size to reach proposed ground level. Use only one type of washed stone for infill (see Figure 6) - limestone and recycled rejects must not be used. For further installation details, see web site links in Figure 5.

Reason: The CCS protects tree roots from the damaging effects of compaction and desiccation, whilst creating a stable, reliable load-bearing surface for vehicular traffic.

c) Piled foundation

The foundations shall be designed by a qualified structural engineer (see section 1A).

Working Method: Before installation of the foundations, the working area should be covered with Cellular Confinement System (CCS). Holes should be cut through the CCS to allow the piles to travel easily into the soil. No soil excavation or grading is allowed unless approved by the Arboricultural Consultant or Local Planning Authority. Place impermeable plastic between wet concrete/chemicals and ground to prevent cement from contaminating soil in the RPA. Follow all Tree Protection measures and approved construction design / method statements.

Reason: This method prevents damage to tree roots and rooting areas, unlike standard strip foundations.

2. Services (electricity, gas, water, foul water & broadband) see section 9.2.4 within report GH23104

- Construct final and temporary services, soakaways, or waste pumps outside Root Protection Areas and at least 2 m from new or proposed tree planting, unless otherwise permitted by the Arboricultural Consultant.
- A qualified structural or drainage engineer should design service locations and rainwater disposal (see section 1A).
- Fit gutters, downpipes, and drains with guards to prevent blockage from tree debris.

3. Removal of Tree Protection

Tree Protection may be removed only after project completion, following phased development, or with agreement from the Arboricultural Consultant. Written consent from the Local Planning Authority may also be required.

Note:

- This report does not cover building near trees, hedgerows, or shrubs in shrinkable soils (see NHBC guidance, chapter 4.2); this is addressed during Building Regulations unless specified.
- Tree Protection Measures in this and any other document must be included in the site's generic & specific Risk Assessment, Construction Method Statement and Traffic Management Plan.