

**Dumbrells
Cuckfield
RH17 5LA**

**Arboricultural Method Statement
(Part 2)
BS5837:2012**

October 2024

Date of survey: 16th August, 2024



Bioregional Forestry Ltd, 157 Balcombe Road, Horley, Surrey, RH6 9DR
07855 321972

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1. Terms of Reference

Bioregional Forestry Ltd was commissioned by David Thackeray, to produce an Arboricultural Method Statement and Tree Protection Plan for a proposed redevelopment of a site known as Dumbrells, in Cuckfield, West Sussex.

The report has been produced in accordance with British Standard 5837:2012 Trees in Relation to design, demolition and construction – Recommendations, and is based upon an original topographic site survey supplied by Ecotecture Ecological Design.

This report is intended to be read in conjunction with the Tree Inspection Report of October, 2024. Together, they form the overall Arboricultural Report for the specific area of land. Details of RPAs, Tree Categorisation and Tree Details can all be found in the previous report.

2. Arboricultural Impact Assessment

No trees are required to be removed for the proposed development, however, the RPAs of two retained trees will require protection for the duration of the construction phase.

Additionally, Geocell Technology will be required to be used on the southern and eastern sides of T1 to create the new driveway to Dumbrells and to ensure that the tree's RPA is minimally impacted.

3. Arboricultural Method Statement

3.1 Roles and Responsibilities

It is the responsibility of all contractors and sub-contractors involved in the project to be aware of this method statement and to use it when setting out the site and carrying out any operations in the vicinity of retained trees. Please refer to the Site Plan detailed later in this report for positioning of Tree Protection Barriers and Construction Exclusion Zones - coloured purple.

Prior to the commencement of works, all site personnel should be briefed by the Site Manager or appointed Consultant on the importance of the retained trees and the significance, rules and restrictions around protective measures implemented. All minutes from these 'Toolbox Talks' should be retained by the Site Manager for future reference.

3.2 Timings and order of operations

Operations on the development site related to trees should commence in the following order to ensure that retained trees receive an appropriate level of protection from potentially harmful activities. Monitoring should take place throughout these stages and be recorded by the Site Manager and/or the Project Arboriculturalist.

1. Installation of Tree Protection Barriers to establish Construction Exclusion Zones;
2. Laying of Geocellular Product (or temporary track mats) in RPA of T1 before any construction begins;
3. Construction;
3. Removal of protective barriers.

3.3 Setting out of Barriers and Construction Exclusion Zone – refer to Site Plan

The precise required location of the barriers can be seen on the accompanying Site Plan. They will be required for Trees T1 and T2 and must be erected to denote the position of, and to protect, the RPAs of the trees * (see 3.4 below)

Tree protection barriers should be supplied and erected in accordance with chapter 6.2.2 of BS5837:2012. This states that the default specification for protective fencing should comprise a scaffold framework with vertical tubes at maximum 3m intervals secured firmly into the ground and fixed with weldmesh panels, as set out in figure 3, in Appendices.

The barriers should be fitted with all-weather notices containing the words “Construction Exclusion Zone – No Access”. It is not anticipated that there will be any need to access the CEZ during the construction phase. If access is required for any reason, then this should be discussed with the Project Arboriculturalist and the client.

3.4 Tree Roots and RPA Incursion – refer to Site Plan

Tree T1, a mature, double-stemmed field maple has an RPA of 6.06m and consequently, its southern and eastern portions will be impacted by the proposed new driveway serving Dumbrells, the new single storey building to be constructed to the north of the tree.

To allow for this and to ensure minimal impact on the tree, a permeable Geocellular product will be required to create the driveway. Back-filled with gravel, this is a no-dig solution and its use allows safe passing for vehicular and pedestrian access, whilst also allowing water, air and nutrients to flow to the tree’s root system.

* Access to the site during the build for machinery and materials will be from through the main gateway, to the south of the site. As such, multiple movements will occur through the RPA of

T1. It is imperative that : either the Geocellular membrane is installed before construction commences, to protect the RPA; or, that track mats are temporarily fixed in place until the Geocellular product can be installed.

Additionally, no materials should be stored within the RPAs of either tree for the duration of the build.

3.5 Prohibited Activities

Care must be taken when planning site operations to ensure that wide or tall loads, plant with booms, jibs and counterweights can operate without coming in to contact with any of the retained trees. Where possible, plant and machinery with zero tail swing should be used when in close proximity to retained trees.

Any transit or transverse of plant in close proximity to the retained trees should be conducted under the supervision of a banksman to ensure that adequate clearance from trees is maintained at all times.

The Project Arboriculturalist should be consulted prior to any otherwise not approved operations, within or access to, the Construction Exclusion Zones.

3.6 Monitoring

Due to the sensitive nature of the trees on site and the need for protective measures, it is a requirement of BS5837:2012 that activities related to, or in the vicinity of, retained trees are monitored by a competent Arboriculturalist, referred to in this report as the Project Arboriculturalist. Key operations requiring monitoring are as follows :

1. Installation of Tree Protection Fencing;
2. Post development monitoring visit (see 3.8 below)

3.7 Incident procedure

In the instance of any problems on site or incidences affecting and/or causing harm to retained trees, the Project Arboriculturalist should be consulted at the earliest opportunity to provide advice about rectifying issues. Any such occurrences should be recorded in an auditable incident register.

3.8 Post Development

It is recommended that following completion of the development, a monitoring visit is carried out by the Project Arboriculturalist in order to carry out a thorough assessment of the retained trees and any remedial works that may be required as a result of changes to the site and the potential indirect effects of construction. In addition to a schedule of remedial works, this assessment should include a recommendation for future tree safety inspections to be adopted by the site owner/manager.

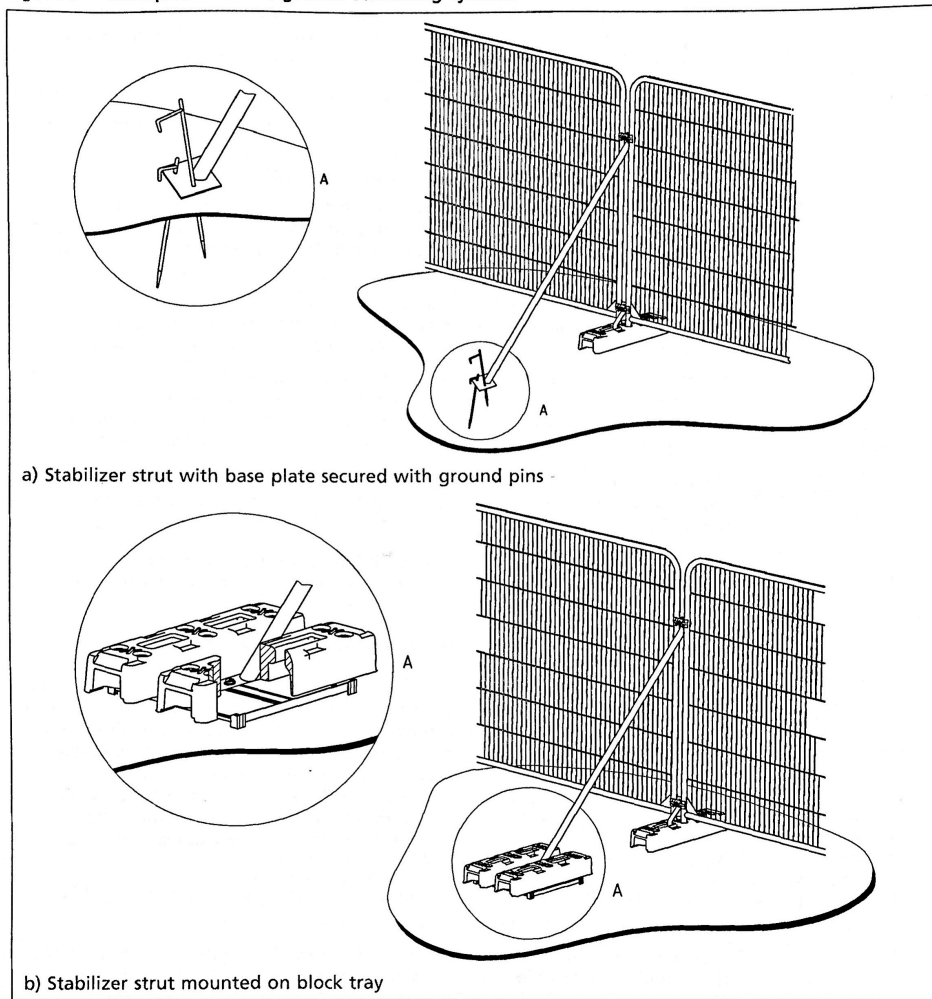
3.9 Mitigation

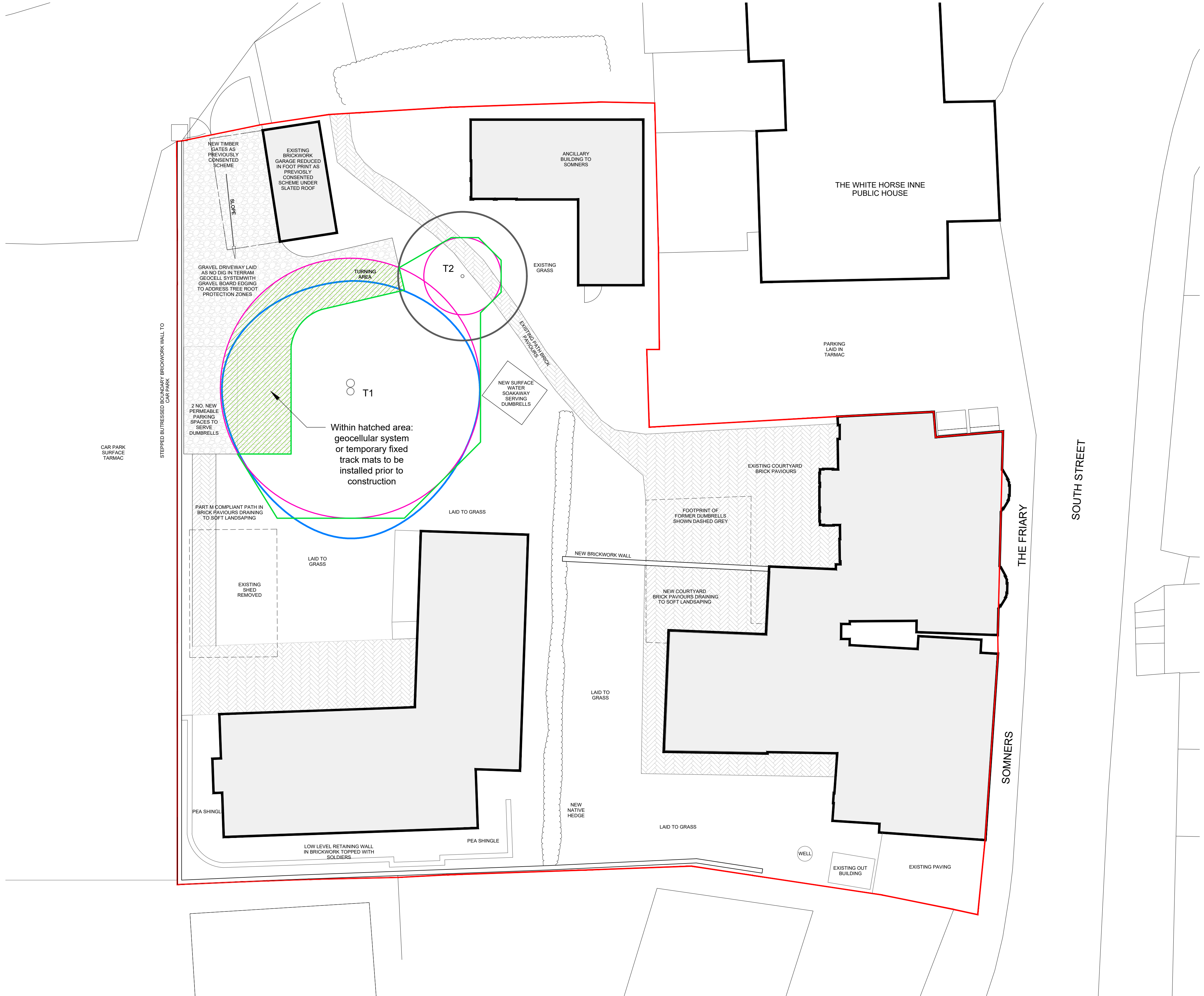
No mitigation measures are required for this project.

Appendices (next page) :

- Figure 3: Protective fencing for creation of the Construction Exclusion Zone (CEZ)
- Site Plan : showing site boundaries, Tree Protection Methods and locations thereof .

Figure 3 Examples of above-ground stabilizing systems





0m12345 1:100 @ A1 N Drawing to be read in colour. A monochrome copy should not be relied upon. Do not scale from this drawing. Tree locations were plotted either according to topographical survey or approximately using on-site features at the time of the survey. TREE CATEGORIES Trees have been assigned a category in accordance with Table 1 of BS 5837:2012 'Trees in Relation to Design, Demolition and Construction'. The category is shown by the colour of the canopy edge. Categories are shown as below: Category 'A' - Tree of high quality and value - Green Category 'B' - Tree of moderate quality and value - Blue Category 'C' - Tree of low quality and value - Grey Category 'U' - Tree of significantly reduced potential - Dark Red. ○ XXXX Tree number, stem location from architectural plan ● XXXX Tree number, approx stem location ○ Category 'A' Tree ○ Category 'B' Tree ○ Category 'C' Tree ○ Category 'U' Tree ○ Tree to be removed ○ Tree unaffected by development, shown nominally from topo information ○ Root Protection Area — Tree protection fencing ▨ RPA incursion Tree protection plan 2308-P-002 Rev 0 Site: Dumbrells, Cuckfield Date: 31/10/2024 Drawing base: Architect's plan BioRegional Forestry Ltd Est. 1994 BioRegional Forestry Ltd 157 Balcombe Road, Horley, Surrey, RH6 9DR 07855 321972 mark@bioregionalforestry.co.uk www.bioregionalforestry.co.uk
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