

TREE CONSTRAINTS PLAN (EXISTING) GH2284a

Scale: 1:250

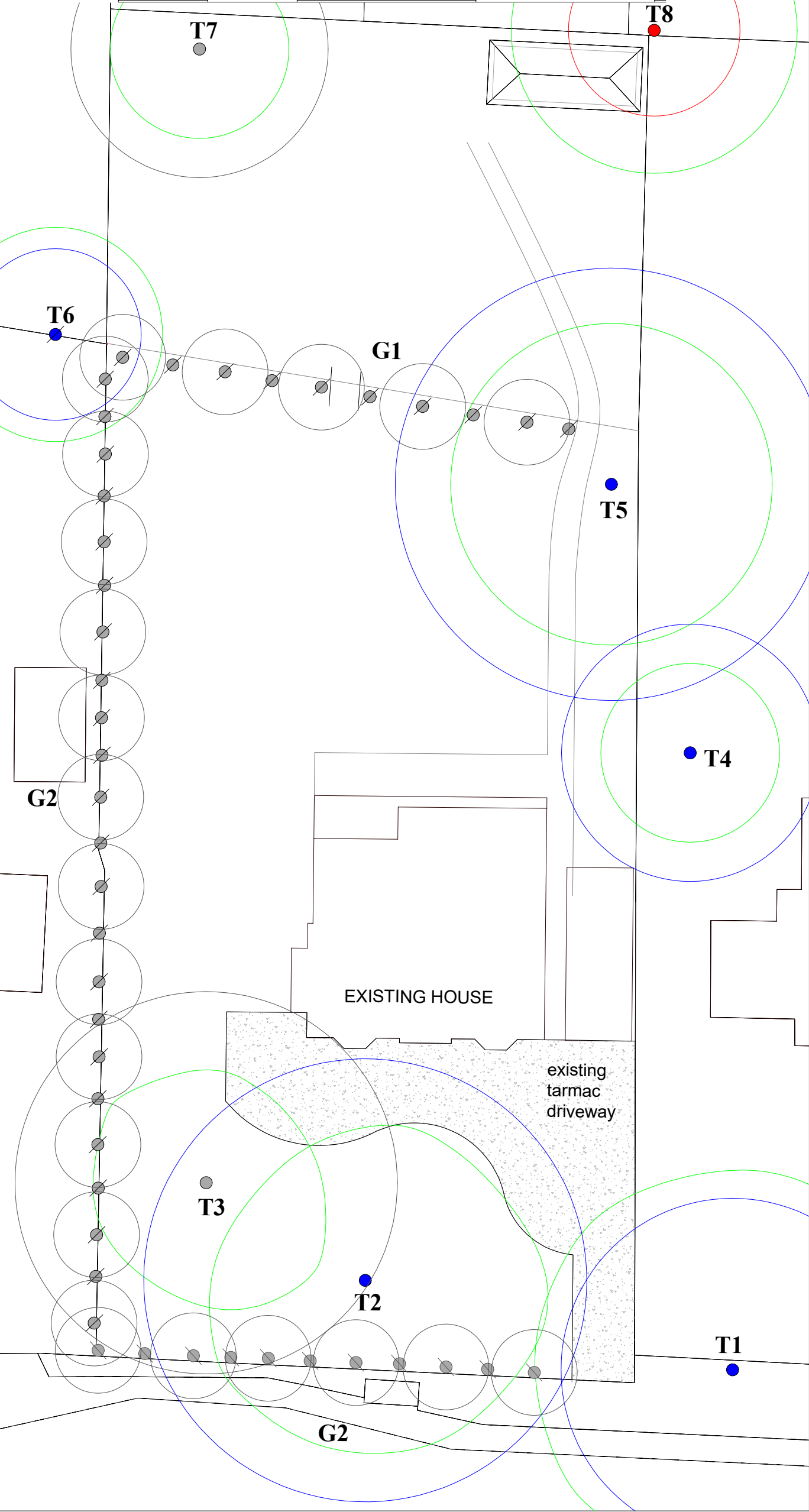


FIGURE 1

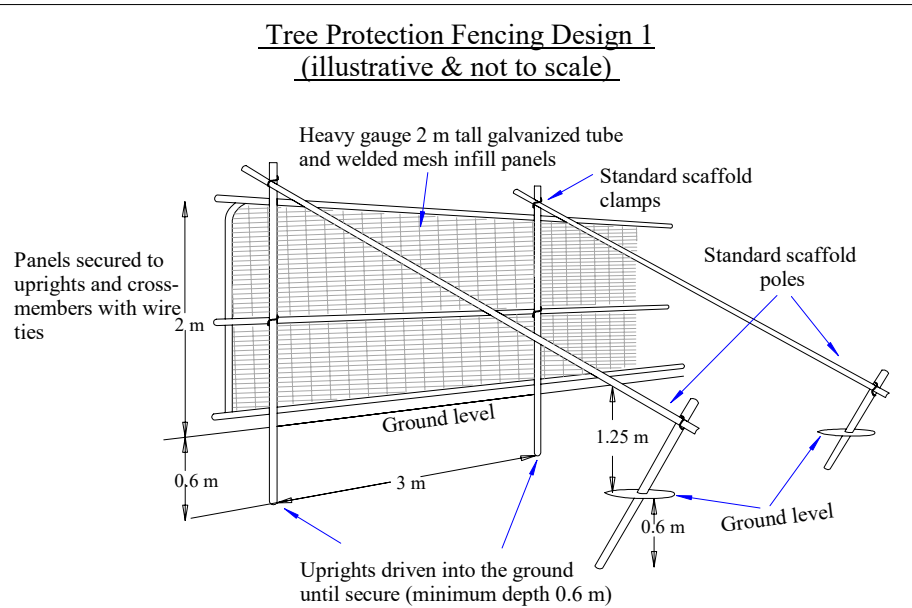


FIGURE 2

TREE PROTECTION PLAN (PROPOSED) GH2284rev1b

Scale: 1:200

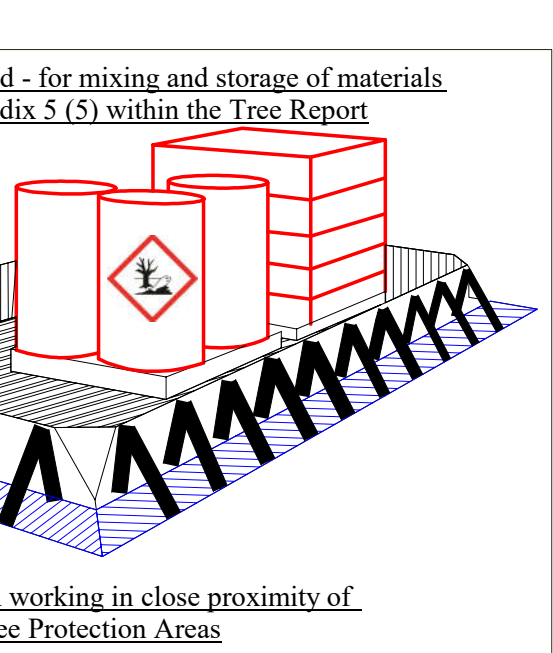
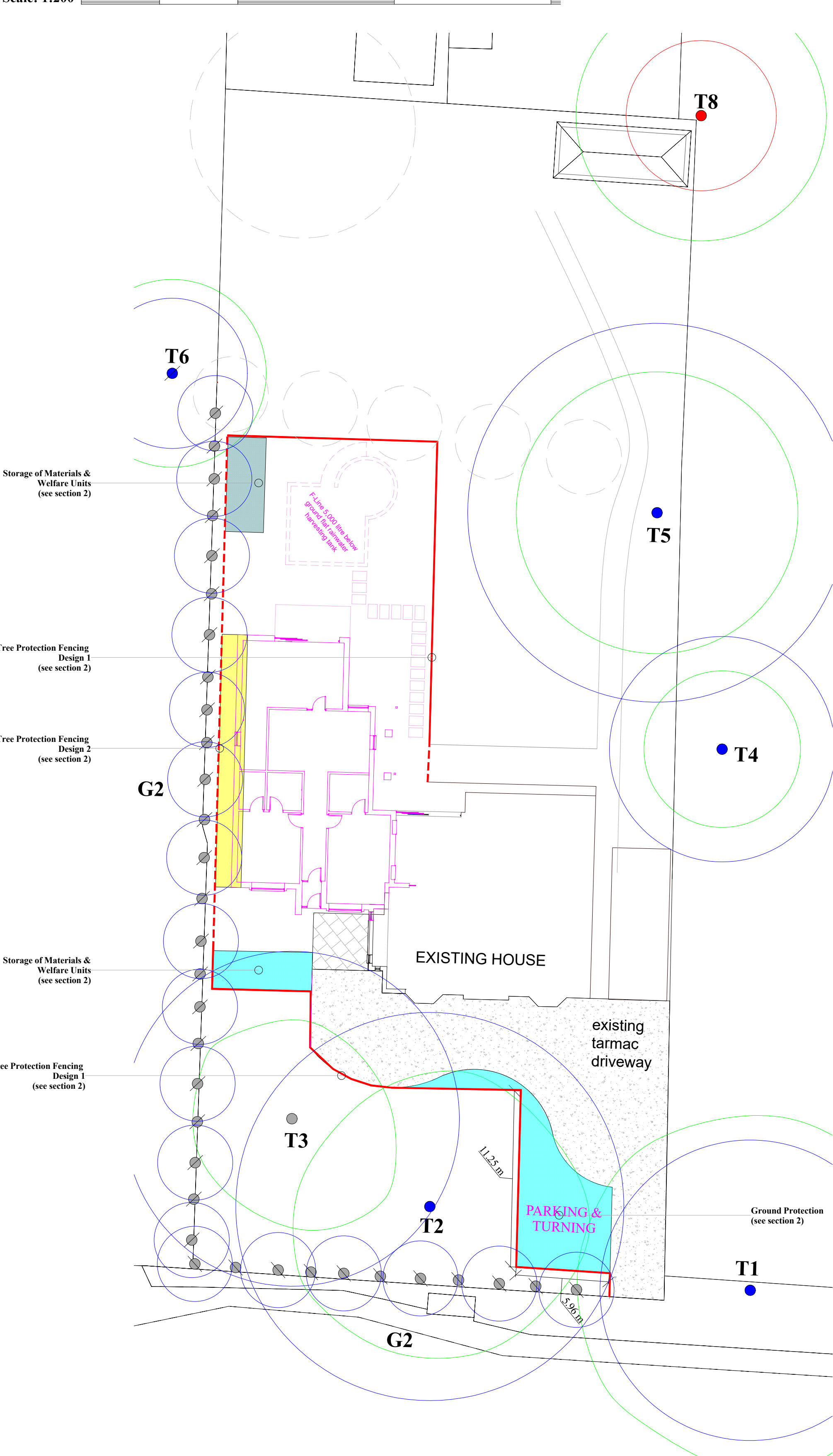


FIGURE 4



FIGURE 5



TREE CONSTRAINTS PLAN - LEGEND	
Tree Location & Number	● T1 & G1
Canopy Spread	—
Trees not detailed on plans provided	Ø

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
●	BS 5837:2012 Category U Tree Root Protection Area

TREE PROTECTION PLAN - LEGEND	
Tree Location & Number	● T1 & G1
Trees not detailed on plans provided	Ø
Trees for Removal	○
Canopy Spread	—
Root Protection Area	○
Proposed Structures	—
Tree Protection Fencing Design 1 (see section 2)	—
Tree Protection Fencing Design 2 (see section 2)	---
Ground Protection (see section 2)	■
Excavation with caution (see section 3)	■
Storage of Materials & Welfare Units (see section 2)	■
Location of surface water service routes, soakaway Electricity, Gas, Broadband and Water, including Foul water (see section 4)	■

Site Address:
209 Winchester Road
Chandler's Ford
Eastleigh, SO53 2DX

Client:
Claire Chivers

Document Titles:
Tree Constraints Plan GH2284a
Tree Protection Plan GH2284b
Arboricultural Method Statement

Rev. GH2284rev1b
Date: 11/11/2022
Paper Size and Scale: A1 - As Plan
Project Ref: GH2284

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 Gwydion's Tree Consultancy. Work should only be undertaken from local authority approved drawings. For further information see associated report GH2284.1.

THIS PLAN SHOULD BE VIEWED IN COLOUR

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Arboricultural Method Statement GH2284.1

- 1. Phased Development in relation to Tree Protection – in order of events A to J**
 - A.** A person with relevant experience, must design the details relating to the services and rainwater soakaways/holding tanks, or waste pumps (section 4). This must include accurate locations of installation which will be required prior to or at the pre-commencement meeting. Written approval of the design, in relation to trees, should be acquired from the developer's acting Arboricultural Consultant or the LPA Arboricultural Officer.
 - B.** tree work - see Tree Survey Schedule within Arboricultural Report GH2284.1
 - C.** installation of Tree Protection measures - see section 2
 - D.** Pre-commencement meeting, post installation of Tree Protection measures including the chemical storage/mixing bund, (detailed within Figures 1, 2, 3, 4 & 5, section 2 and plan GH2284rev1b), and prior to construction. The pre-commencement meeting should be held and attended by the developer's Arboricultural Consultant and the 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 GH2284.1
 - F.** specific construction technique - see section 3: excavation with caution
 - G.** services installation - see section 4
 - H.** main construction & main construction completion
 - I.** removal of Tree Protection measures - see section 5
 - J.** landscaping - see Appendix 5 (8) within Arboricultural Report GH2284.1
- Arboricultural Supervision required**
The project manager will give the Arboricultural Consultant at least 48 hours' written notice prior to any Arboricultural Supervision activity. If there is a specific request from a representative of the LPA wishing to attend, 7 days' notice shall be required. An Arboricultural Supervision statement will be submitted to the Local Planning Authority, in writing after each supervision event.

- 2. Tree Protection Measures** see also section 9.2(4) & Appendix 5 within Arboricultural Report GH2284.1

Tree Protection fencing Design 1 for construction and demolition, requires a scaffold framework with Heras Panels or steel mesh attached. For fencing design and specific locations see plan GH2284rev1b and Figure 2. Laminated Construction Exclusion signs (Figure 1) should be placed upon the side of the fencing, facing the development at 3 metre intervals.

Tree Protection fencing Design 2 for construction and demolition, requires orange safety fencing, secured to steel pins every 3 m. For fencing design and specific locations see plan GH2284rev1b and Figure 5. Laminated Construction Exclusion signs (Figure 1) should be placed upon the side of the fencing, facing the development at 3 metre intervals.

Heavy loading Ground Protection in the form of rigid Ground Guards will be used, see Figure 4. For specific locations see plan GH2284rev1b. They will be laid on top of a base layer of Geotextile membrane to separate the Ground Protection from the soil. The Geotextile separation fabric will be of such a design that will not be punctured, ripped, or allow fines (e.g. fine particles, sand, broken stone, brick, soil etc.) to penetrate. The Ground Guards should be securely attached (using the product specification), both together and to the existing ground, having first established the exact location of any underground services.

Chemical storage/mixing & welfare units Storage and mixing of chemicals will be required near Root Protection Areas, where the use of a water-tight and chemical resistant bund will be essential, to avoid any run-off from toxic materials. Figure 3 details design of such a bund. Site cabins / welfare units must be located outside the tree Root Protection Areas, unless otherwise agreed. All temporary services should run above ground or be contained within the facility and managed as appropriate. In direct relation to these operations, see Appendix 5 (3 & 5) within Arboricultural Report GH2284.1.

Working Method: During demolition and construction, the Tree Protection measures should not be removed or moved at any stage, unless agreed upon by a representative of the Local Planning Authority and/or the acting Arboricultural Consultant for the site, or unless otherwise stated within this report. Throughout the proposal, it is important to monitor the condition of the Tree Protective measures, assess whether they are still fit for purpose and meet the design standard within this report. It is recommended that Tree Protection be added to the on-site risk assessment and protective fencing should be subject to a Fixed Scaffolding Safety Checklist. **Reason:** Retained trees and associated soil structure within this report take priority. Entering within areas designated for construction exclusion, will inevitably compromise the health of valuable trees. Barriers should be fit for excluding construction activity and appropriate to the degree and proximity of work taking place around retained trees.

- 3. Specific construction techniques (within RPA)**

Excavation with caution

The area requiring excavation is depicted in plan GH2284rev1b as a yellow polygon and is located within the theoretical Root Protection Area (RPA) of trees in group G2.

Working Method: The area detailed for excavation must be undertaken with caution. If tree roots are unearthed, they are to be pruned back to the edge of the excavation making a clean cut with a suitable sharp tool (e.g. bypass secateurs or handsaw). If tree roots are left exposed for more than one day, they should be covered in dry hessian sacking or similar material to avoid desiccation and frost. If a concrete mix, or a chemical substance is to be used in direct contact with the newly excavated soil face, a lining of impermeable chemical-resistant plastic should be used as a separation barrier. **Reason:** Excavation will inevitably cause damage to tree roots and soil structure. Awareness of hedgerow rooting areas and their importance promotes a more detailed and observant excavation. This working method will reduce the risk of damaging shallow tree roots and valuable soil. The use of a chemical-resistant plastic will reduce the risk of dangerous leachates, from the chemical mixture, contaminating the soil and/or compromising tree roots.

- 4. Services (electricity, gas, water, foul water & broadband) see section 9.2.4 within report GH2284.1**

Services and rainwater soakaways/holding tanks, or waste pumps should be constructed outside the tree Root Protection Areas (unless otherwise agreed and specific provisions are applied). A structural / drainage engineer with relevant experience should design the service locations and rainwater disposal; see section 1A. All gutters, rainwater downpipes and drains must have gutter or drain guards to reduce the risk of blockage from tree-related debris.

- 5. Removal of Tree Protection**

The removal of any Tree Protection can only take place upon completion of Phased Development and upon completion of the project, or under agreement with the acting Arboricultural Consultant. Written consent may be required from the Local Planning Authority to undertake such an operation.

Note:

This report does not give guidance on building near trees, hedgerows, and shrubs in shrinkable soils [National House Building Council (NHBC) guidance in relation to trees, chapter 4.2], as this should be addressed during the Building Regulations phase, unless otherwise requested.