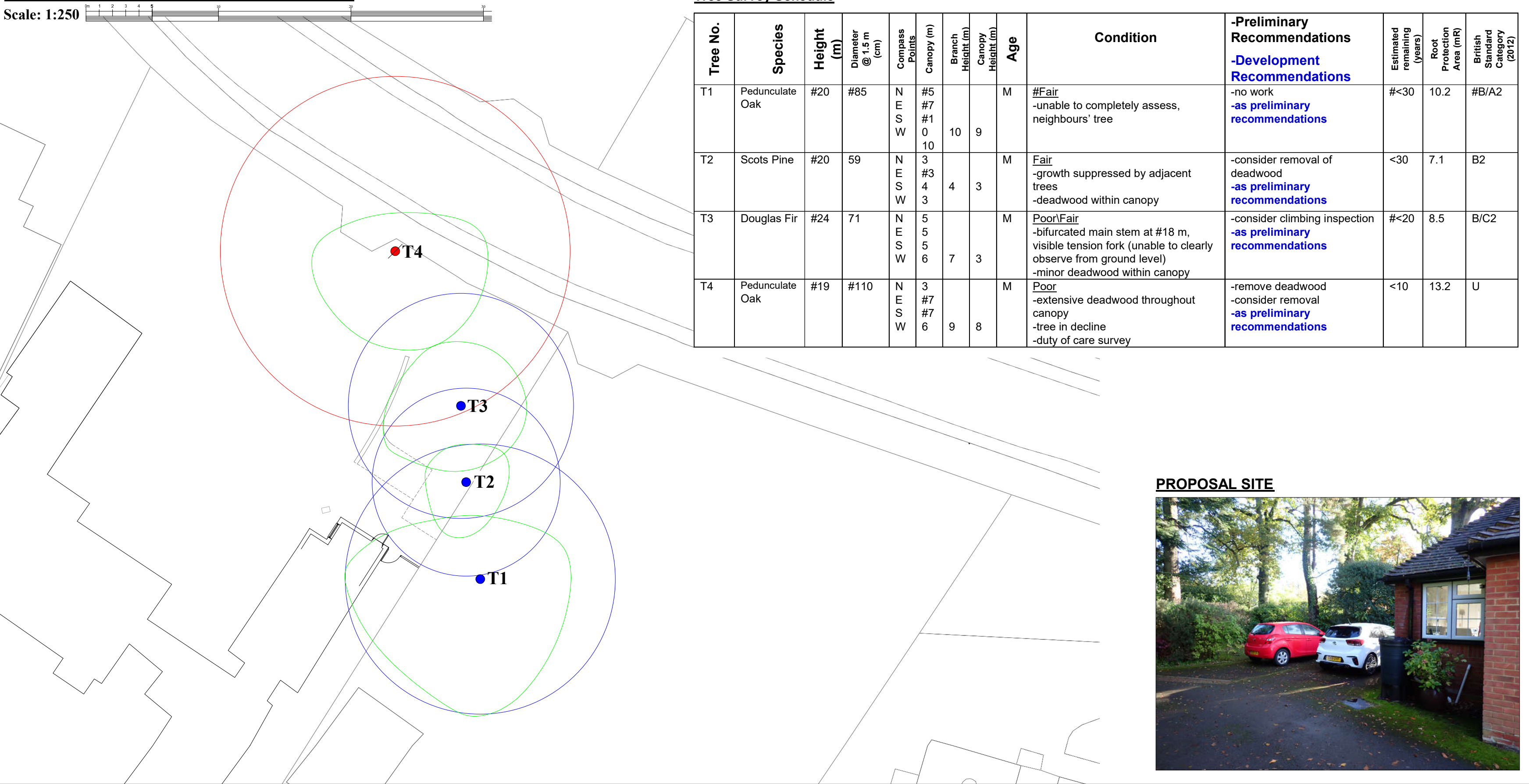


TREE CONSTRAINTS PLAN (EXISTING) GH23113a

Scale: 1:250



Tree Survey Schedule

Tree No.	Species	Height (m)	Diameter @ 1.3m (cm)	Compass Points	Canopy (m)	Branch Height (m)	Canopy Height (m)	Age	Condition	-Preliminary Recommendations -Development Recommendations	Estimated Lifespan (years)	Root Protection Area (m ²)	British Standard Category (2012)
T1	Pedunculate Oak	#20	#85	N E S W	#5 #7 #10 10		9	M	#Fair -unable to completely assess, neighbours' tree	-no work -as preliminary recommendations	#<30	10.2	#B/A2
T2	Scots Pine	#20	59	N E S W	3 #3 4 3	4	3	M	Fair -growth suppressed by adjacent trees -deadwood within canopy	-consider removal of deadwood -as preliminary recommendations	<30	7.1	B2
T3	Douglas Fir	#24	71	N E S W	5 5 5 6		3	M	Poor/Fair -bifurcated main stem at #18 m, visible tension fork (unable to clearly observe from ground level) -minor deadwood within canopy	-consider climbing inspection -as preliminary recommendations	#<20	8.5	B/C2
T4	Pedunculate Oak	#19	#110	N E S W	3 #7 #7 6		8	M	Poor -extensive deadwood throughout canopy -tree in decline -duty of care survey	-remove deadwood -consider removal -as preliminary recommendations	<10	13.2	U

PROPOSAL SITE



TREE PROTECTION PLAN (PROPOSED OFFICE) GH23113b

Scale: 1:200

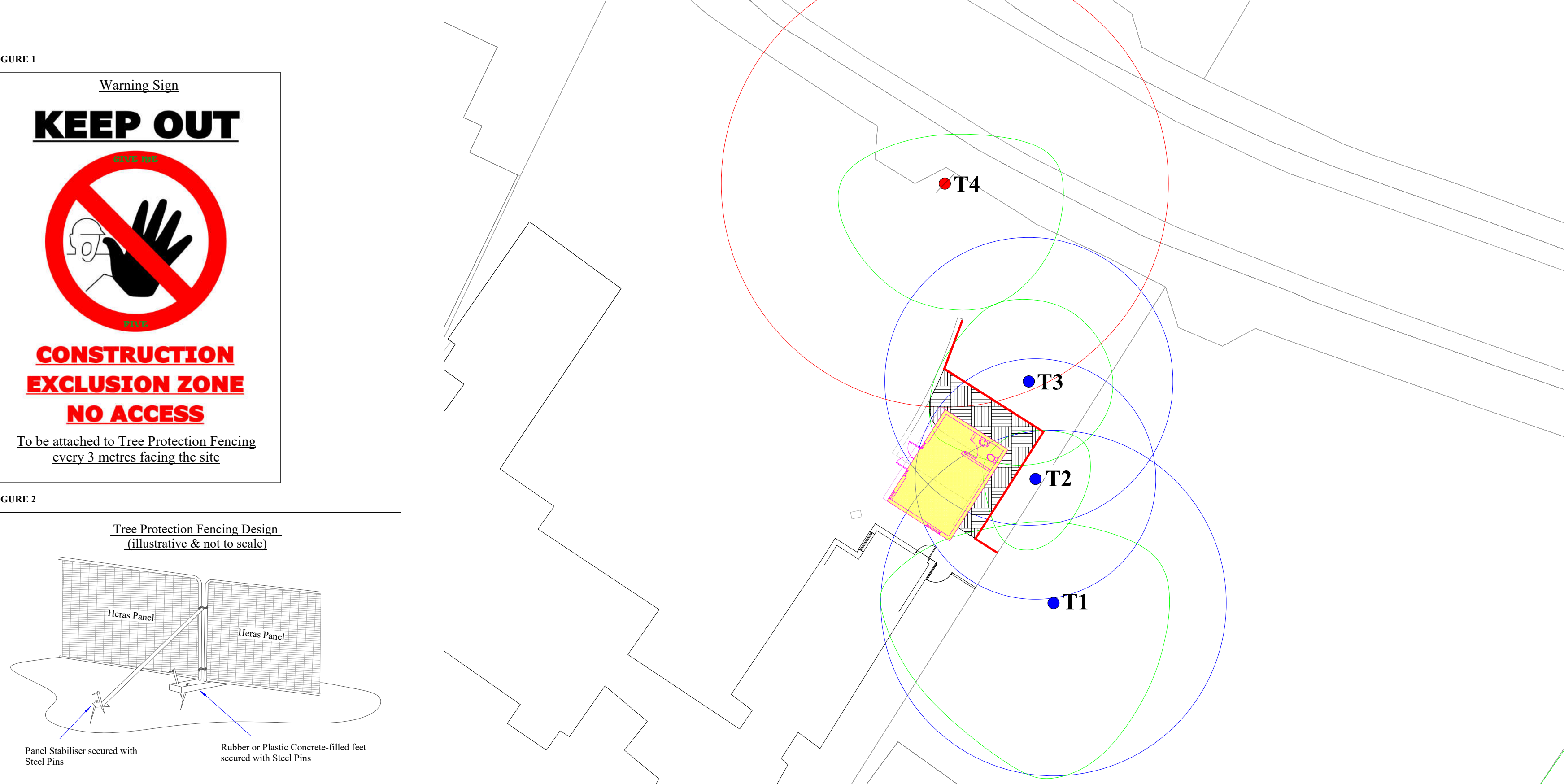


FIGURE 1



FIGURE 2

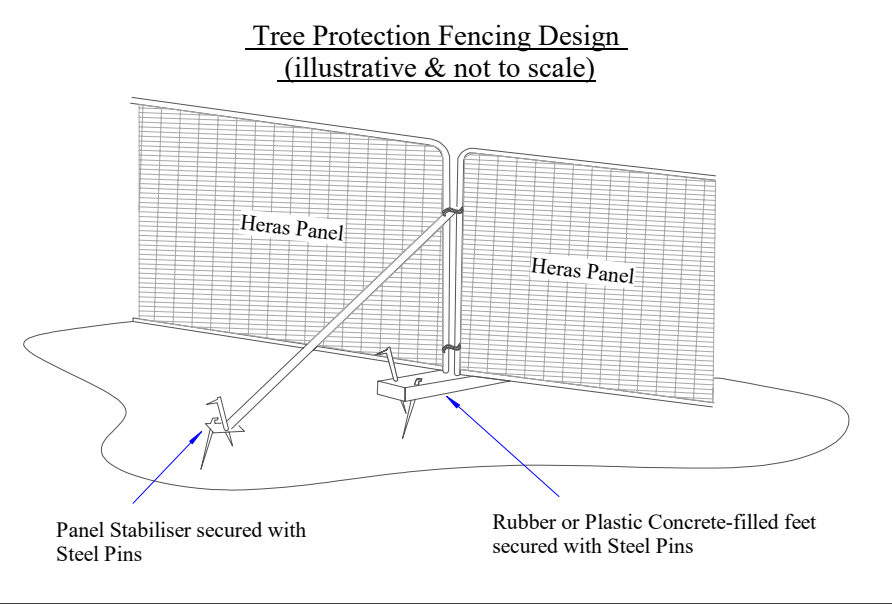


FIGURE 3

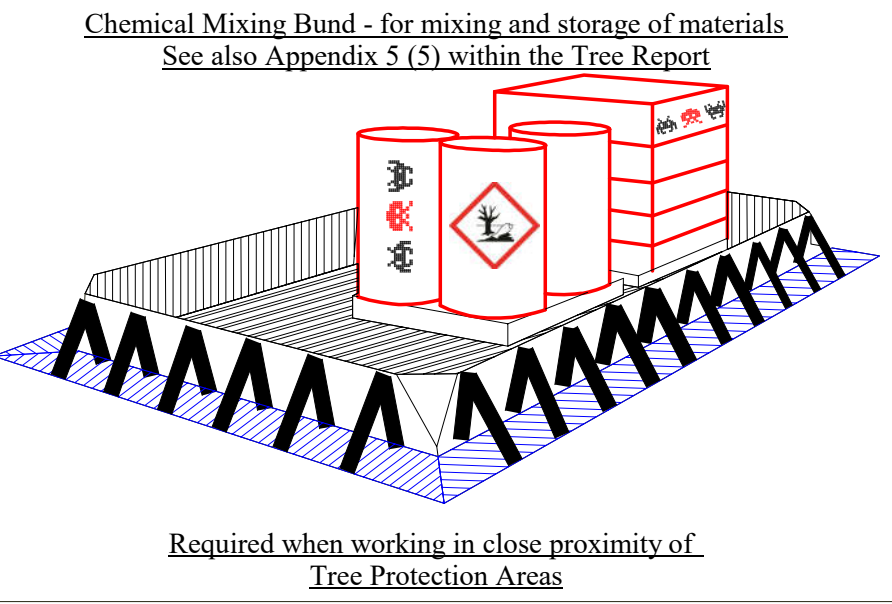
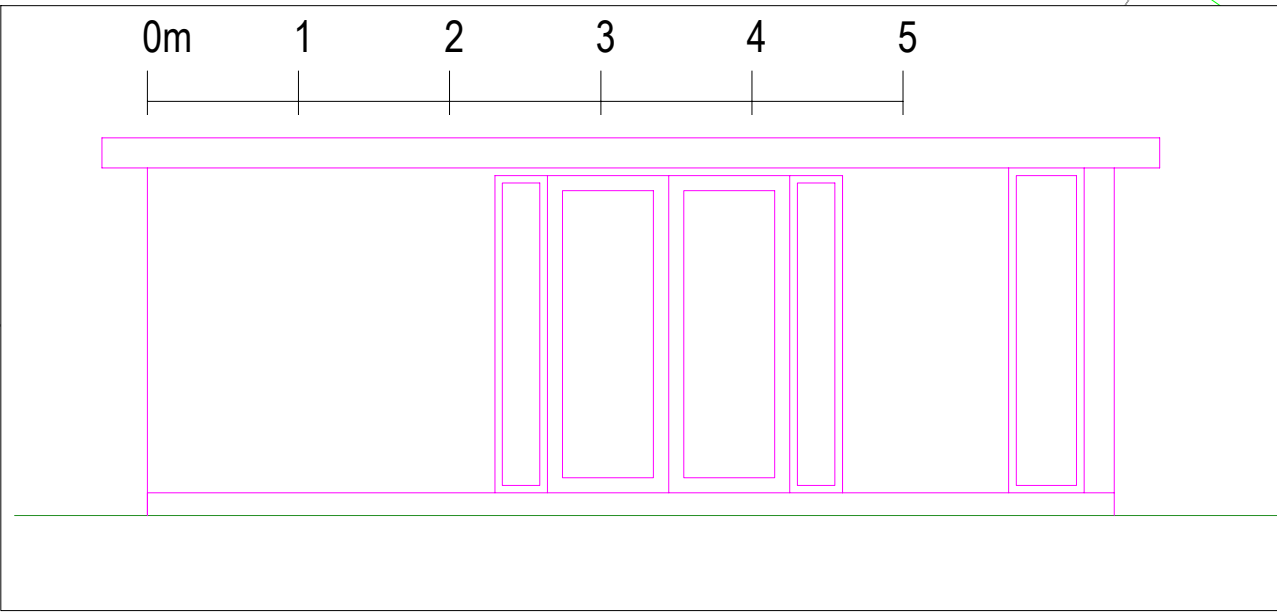


FIGURE 4



PROPOSED OFFICE



TREE CONSTRAINTS PLAN - LEGEND		
Tree location & number	● ●	T1
Canopy spread	—	
Trees not detailed on plans provided	$\emptyset$	

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

TREE PROTECTION PLAN - LEGEND	
Tree location & number	● ● T1
Trees not detailed on plans provided	$\emptyset$
Canopy spread	—
Root Protection Area	○
Proposed structures	—
Tree Protection Fencing demolition & construction (see section 2)	—
Ground Protection (see section 2)	▨
Piled foundation (or similar design required)	▭
Location of surface water service routes, soakaway electricity, gas, broadband and water, including foul water (see section 4)	

PROPOSED CONSTRUCTION ASSESSMENT	
Piled foundation (or similar design required)	▭
Guidance: British Standard BS5837:12 paragraph 7.4.2.3 & 7.5.3 (7.4.2.3) New permanent hard surfacing should not exceed 20% of any existing unsurfaced ground within the RPA. (7.5.3) where a slab for a minor structure (e.g shed base) is to be formed within the RPA, it should bear on existing ground level, and should not exceed an area greater than 20% of the existing unsurfaced ground.	
Construction over unsurfaced ground (% new hard surfacing) in tree RPA	
T3	2.9%

Site Address: Baroda, 34 Merton Avenue Chandler's Ford, Eastleigh, SO53 1EP	
Client: Temple Ford Design	
Document Titles: Tree Constraints Plan GH23113a Tree Protection Plan GH23113b Arboricultural Method Statement	
Rev. 00	Paper Size and Scale: A1 - as plan
Date: 07/11/2023	Project Ref: GH23113
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	
 G TREE LTD Tel: 01202 748967 g.tree.c@outlook.com	

Copyright 2023

Arboricultural Method Statement GH23113

1. Phased Development in relation to Tree Protection – in order of events A to H
A. A person with relevant experience, must design the details relating to the final and temporary services and rainwater soakaways/holding tanks, or waste pumps (section 4), and proposed office piled foundation (or similar design), see section 3. These must include accurate locations of installation, including cross-sections, detailing levels of existing / proposed finished levels and construction method statements for each specific operation, 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 plan GH23113a
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, section 2 and plan GH23113b), 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. services installation - see section 4
F. specific construction technique - see section 3: proposed office piled foundation (or similar design)
G. main construction & main construction completion
H. removal of Tree Protection measures - see section 5
Ⓜ = 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

Tree Protection fencing design for construction and demolition, requires Heras panels with stabilisers, on rubber or plastic concrete-filled feet. For fencing design and specific locations see plan GH23113b 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.

Heavy loading Ground Protection in the form of rigid Ground Guards will be used, see Figure 4. For specific locations, see plan GH23113b. 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 should 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.

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)

Proposed office piled foundation (or similar design)
 The location of the foundation is marked as a yellow polygon, which should be designed by a structural engineer with relevant experience, see section 1A. Although the proposed office is located partially upon existing hardstanding, there will be a requirement to design a foundation which spans the entire structure and partly across unsurfaced ground. Details are required for the entire foundation.

Working Method: Notwithstanding the approved foundation design and construction method statement, the entire Root Protection Area (RPA) of the trees should be protected using Ground Guards (section 2) until completion of installation, or until such time as they serve limited use for the intended protection. There should be no excavation or grading of existing soil, unless otherwise agreed within section 1A. An impermeable heavy gauged plastic should be used between the any uncured concrete or chemical and existing ground, thus preventing chemicals from leaching into the soil within the tree RPA. The Tree Protection measures within this report and approved construction design must be followed.

Reason: This working method will avoid tree roots and rooting areas being compromised, unlike conventional strip foundations.

4. Services (electricity, gas, water, foul water & broadband)

Final and temporary services and rainwater soakaways/holding tanks, or waste pumps should be constructed outside the tree Root Protection Areas unless agreed with Arboricultural Consultant 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.