

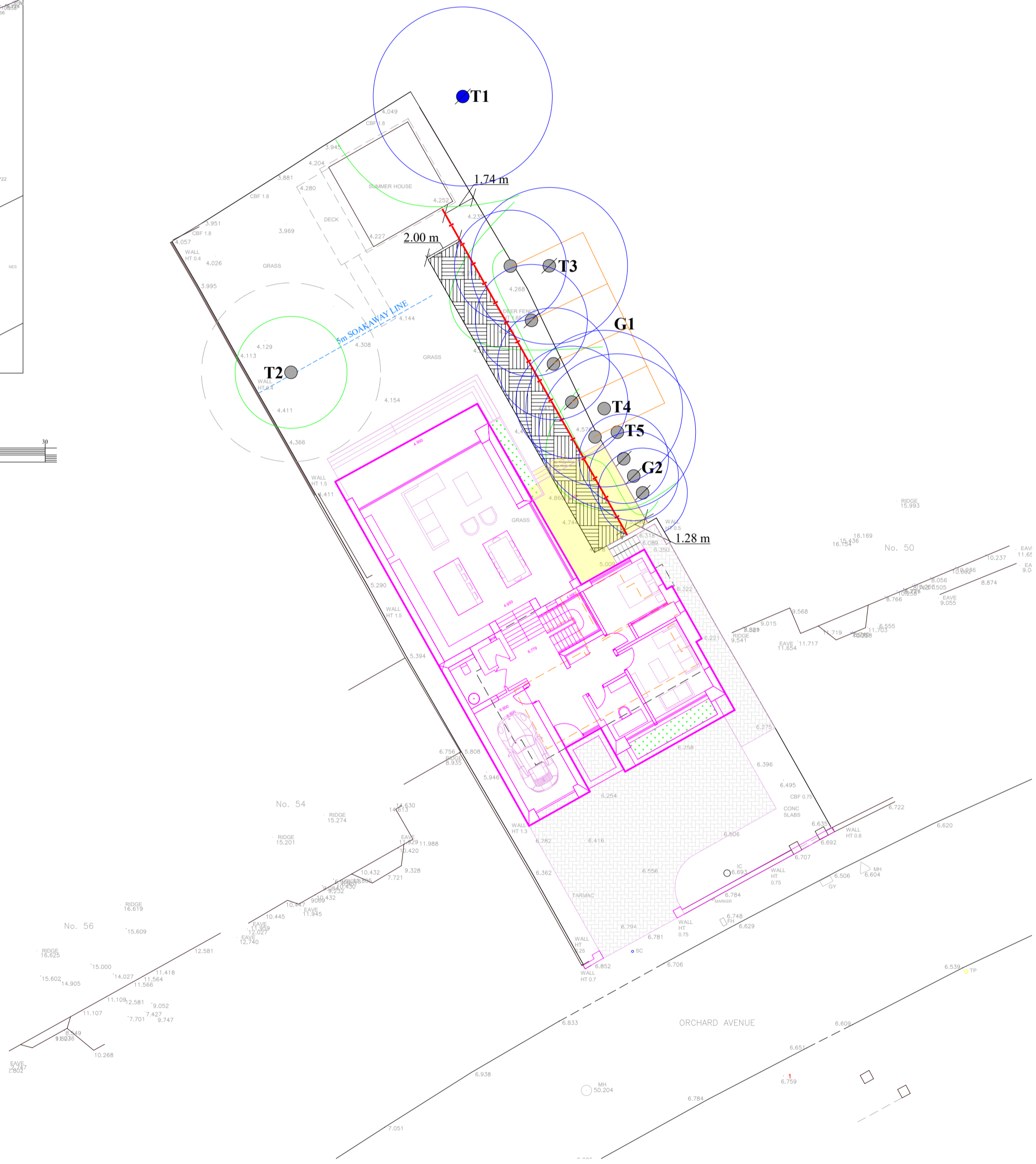
TREE CONSTRAINTS PLAN (EXISTING) GH2276a

Scale: 1:250



TREE PROTECTION PLAN (PROPOSED) GH2276b

Scale: 1:200



TREE CONSTRAINTS PLAN - LEGEND

Tree Location & Number	● T1 & G1
Canopy Spread	—
Trees not detailed on plans provided	∅
Existing Basement	—

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	∅
Canopy Spread	—
Root Protection Area	○
Proposed Structures	—
Existing Basement	—
Tree Protection Fencing (see section 2)	—
Ground Protection (see section 2)	—
Decking foundation design required (see section 1A & 3)	—
Location of surface water service routes, Soakaway Electricity, Gas, Broadband and Water, including Foul water (see section 4)	—

Site Address:

52 Orchard Avenue
Poole
Dorset, BH14 8AJ
Client:
Mr A. Minshall
Document Titles:
Tree Constraints Plan GH2276a
Tree Protection Plan GH2276b
Arboricultural Method Statement

Rev. 01 Paper Size and Scale: A1 - A4 Plan
Date: 28/04/2023 Project Ref: GH2276

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 GH2276
THIS PLAN SHOULD BE VIEWED IN COLOUR

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Revisions:

1) proposed footprint reduced in size	27/07/2023
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Arboricultural Method Statement GH2276

- 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 final and temporary services and rainwater soakaways/holding tanks, or waste pumps (section 4), and decking foundation design (section 3). These 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 GH2276
 - 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 GH2276b), 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 GH2276
 - F.** specific construction technique - see section 3: decking installation Ⓜ
 - 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 GH2276

Ⓜ = 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 GH2276

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 GH2276b 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.

Ground Protection in the form of rigid Ground Guards will be used, see Figure 4. For specific locations, see plan GH2276b. 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. In direct relation to these operations, see Appendix 5 (3 & 5) within Arboricultural Report GH2276.

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)

Decking installation
The location of the foundation is marked as a yellow polygon, which should be designed by a structural engineer or person with relevant experience, see section 1A.

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. An impermeable heavy gauged plastic should be used between the base of the structure and existing ground, thus preventing cement 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) see section 9.2.4 within report GH2276

Final and temporary services and rainwater soakaways/holding tanks, or waste pumps should be constructed outside the tree Root Protection Areas and located a minimum of 2 m away from any new or proposed tree planting (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. Where possible, services should be connected to existing, within the structure. 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.

FIGURE 1



FIGURE 2

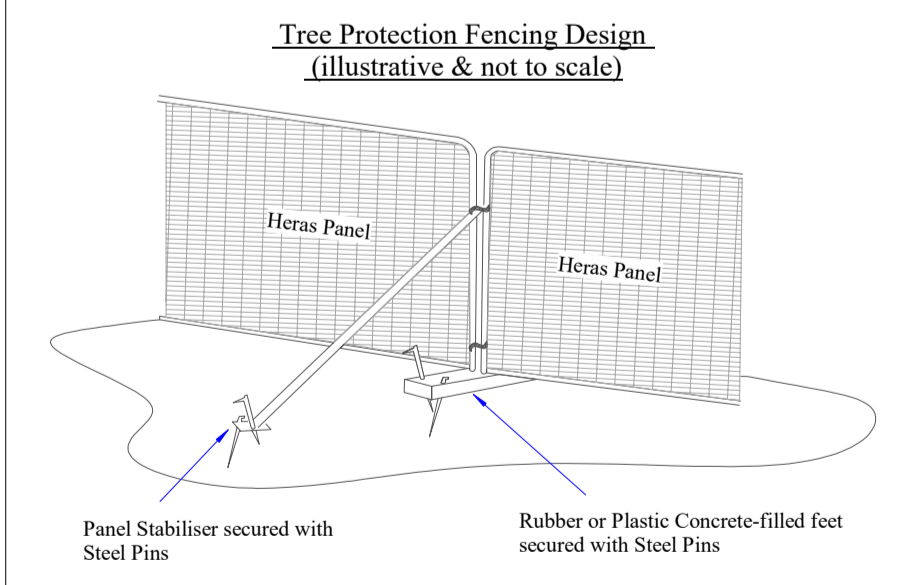


FIGURE 3

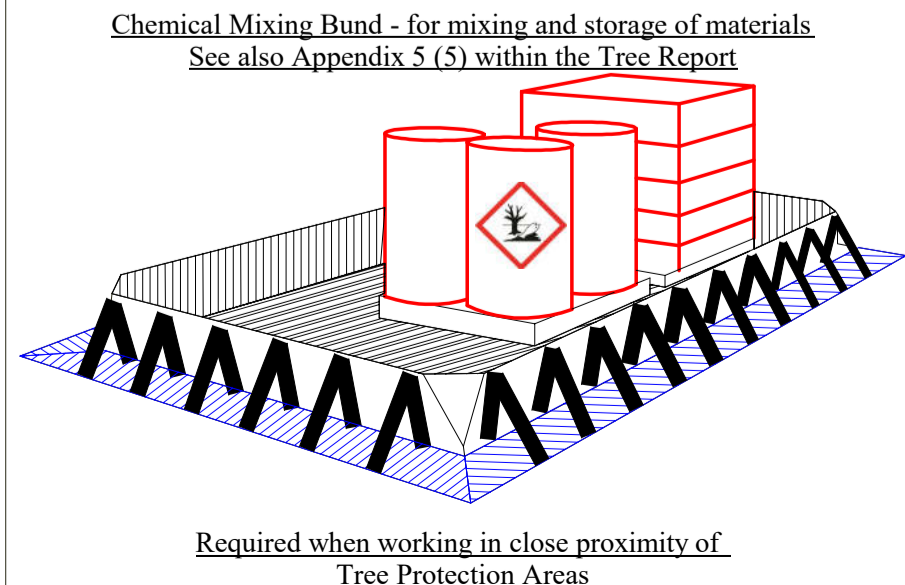


FIGURE 4



THIS PLAN MUST BE VIEWED IN CONJUNCTION WITH THE ARBORICULTURAL REPORT: GH2276