

TREE CONSTRAINTS PLAN (EXISTING) GH2206.1a

Scale: 1:500

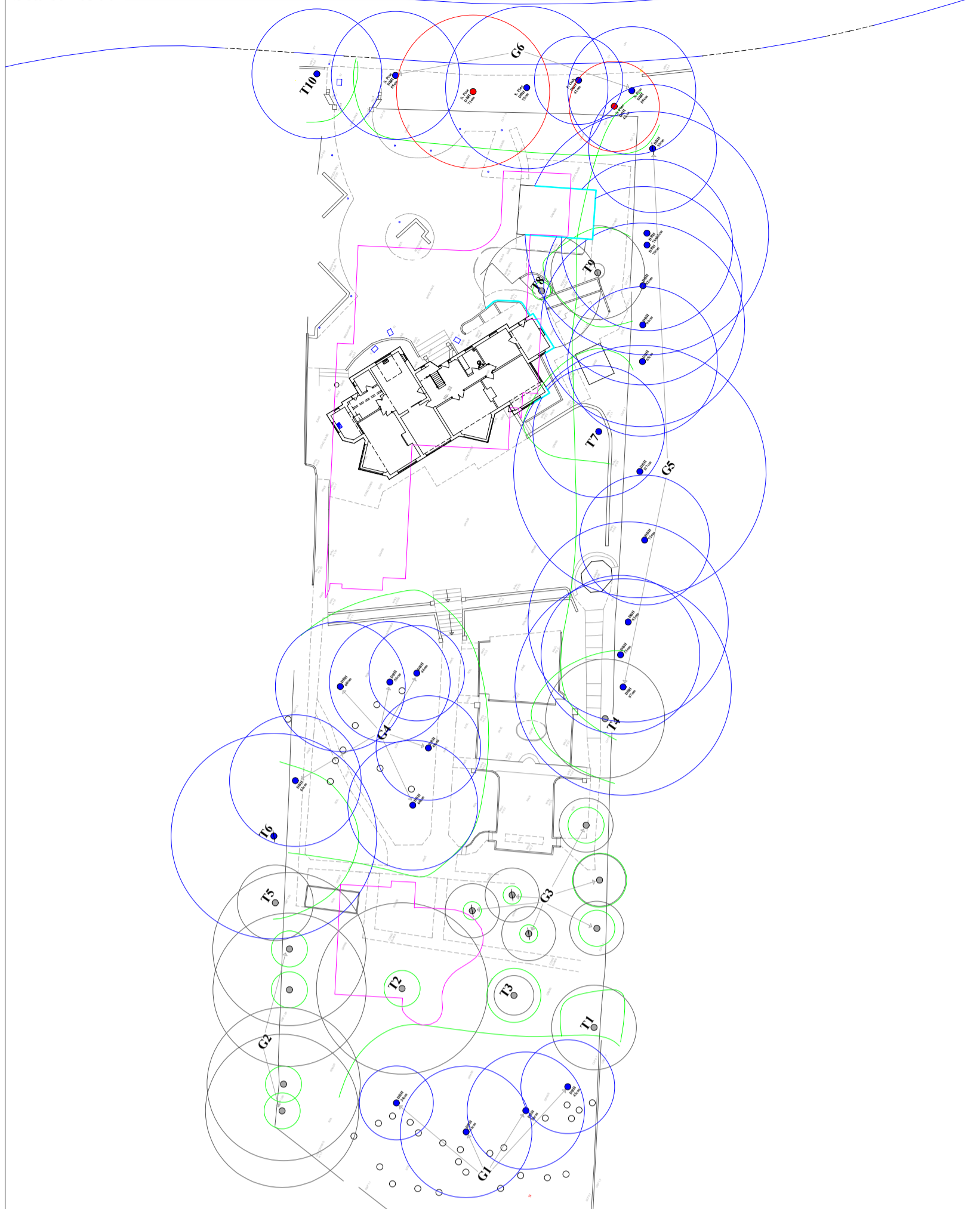


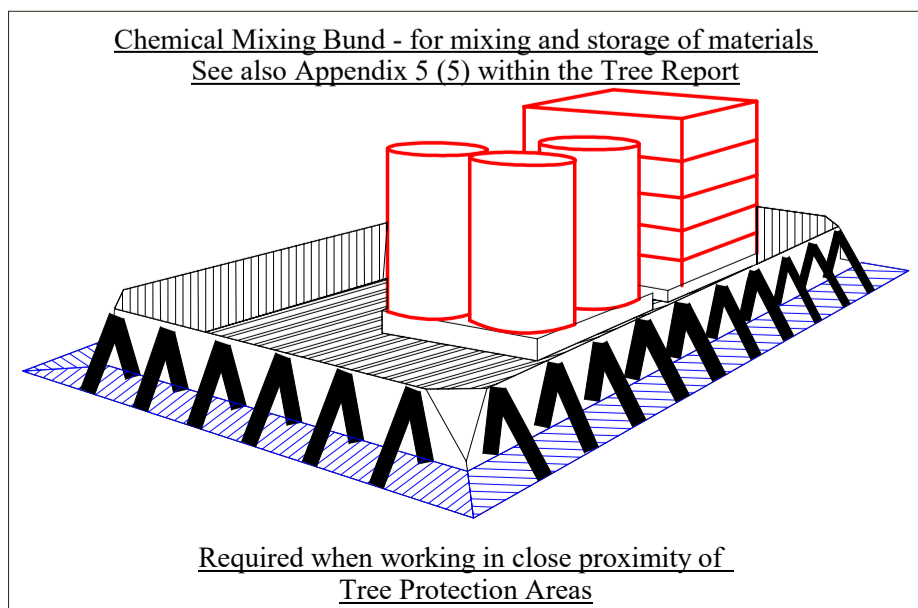
FIGURE 1



FIGURE 3

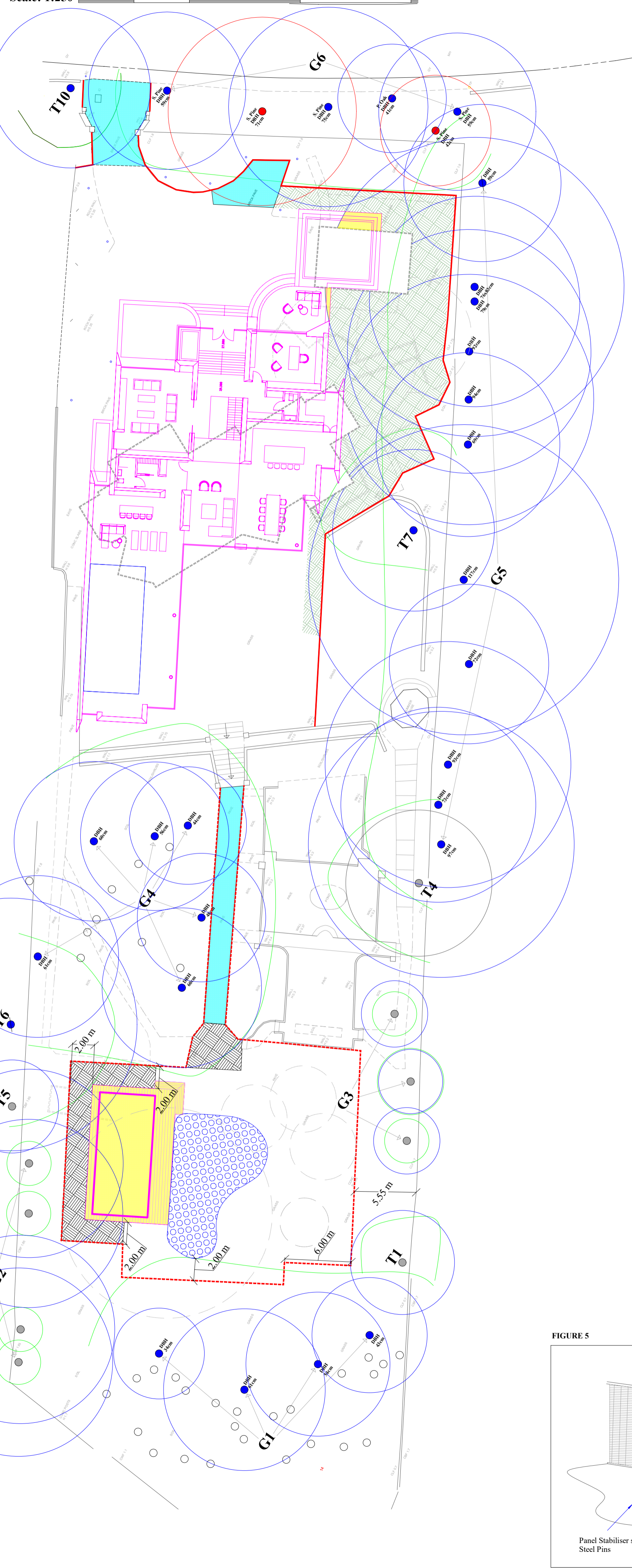


FIGURE 4



TREE PROTECTION PLAN (PROPOSED) GH2206.1b

Scale: 1:250



TREE CONSTRAINTS PLAN - LEGEND

Tree Location & Number	● ● ● T1 & G1
Canopy Spread	—
Trees not detailed on plans provided	∅
Adjusted Root Protection Area (British Standard 5837:12 para. 4.6.2.3, report GH2206.1 para. 9.2)	□
Proposed Structures	—

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	∅
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)	—
Existing hardstanding to be retained as Ground Protection (see section 2)	□
Ground Protection (see section 2)	□
Ground Protection to be discussed at pre-development meeting (see section 2 & 1B)	□
Natural pool (see section 3a)	□
Piled foundation (or similar design) (see section 3b)	□
Location of surface water service routes, Soakaway Electricity, Gas, Broadband and Water, including Foul water (see section 4)	□

Site Address:
32 Bury Road
Poole
Dorset, BH13 7DG

Client:
Mr & Mrs Mellor

Document Titles:
Tree Constraints Plan GH2206.1a
Tree Protection Plan GH2206.1b
Arboricultural Method Statement

Rev: 01 Paper Size and Scale: A1 - A4 Plan
Date: 05/12/2022 Project Ref: GH2206

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 GH2206.1.

THIS PLAN SHOULD BE VIEWED IN COLOUR



Revisions: 05/12/2022
1) Planters removed from side of house South East
2) Pavillion & Pool resized and relocated
3) Tree Protection relocated

Arboricultural Method Statement GH2206.1

- 1. Phased Development in relation to Tree Protection – in order of events A to L**
 - A. A person with relevant experience, must design the details relating to the services and rainwater soakaways/holding tanks, or waste pumps (section 4), natural pool (section 3a) and piled foundation (or similar design), see section 3b. 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. Pre-development meeting to discuss Tree Protection, setting out & specific construction techniques
 - C. tree work - see Tree Survey Schedule within Arboricultural Report GH2206.1
 - D. installation of Tree Protection measures - see section 2
 - E. 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 GH2206.1b), 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.
 - F. additional Tree Protection - see section 9.2(4) & Appendix 5(1) within Arboricultural Report GH2206.1
 - G. specific construction technique - see section 3a: natural pool
 - H. specific construction technique - see section 3b: piled foundation (or similar design)
 - I. services installation - see section 4
 - J. main construction & main construction completion
 - K. removal of Tree Protection measures - see section 5
 - L. landscaping - see Appendix 5 (8) within Arboricultural Report GH2206.1
- AS = 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 GH2206.1

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 GH2206.1b 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 Heras panels with stabilisers, on rubber or plastic concrete-filled feet. For fencing design and specific locations see plan GH2206.1b 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.

Existing hardstanding retained as Ground Protection The areas requiring this working method are depicted in plan GH2206.1b as light-blue polygons and are located within retained trees' theoretical Root Protection Areas. The existing hardstanding should be retained as Tree Protection (Ground Protection), as it is in a good stable condition. However, if the surface wearing course starts breaking up or sinking, there is a requirement to cover damaged areas with Ground Guards (see below). The existing hardstanding should be replaced with a permeable wearing course or soft landscape, within the final phases of construction, after all heavy machinery has been removed from site.

Ground Protection in the form of rigid Ground Guards will be used, see Figure 4. For specific locations, see plan GH2206.1b. 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 GH2206.1.

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)

a. Natural pool
The location of the natural pool, in relation to trees, is detailed within plan GH2206.1b as a blue and white patterned polygon within the rear garden. A structural engineer with relevant experience should design the pool, soil retention method and related services e.g. electric and water (see section 9.2.4 within report GH2206.1), as detailed within section 1A.

Working Method: Notwithstanding the approved design and construction method statement (section 1A), a structural engineer must assess the soil cohesion to determine the method of soil retention to accommodate the change in levels. It is imperative that the retained soil does not slip in the area where soil is to be removed, adjacent to tree Root Protection Areas. Shoring must be on site, to use as temporary bank supports, in order to prevent any soil slip. If soil slip occurs, contact must be made with the site's acting Arboricultural Consultant, as the loss of soil within the tree rooting area can compromise the trees' health and safety. Upon excavation, and in the possible event of roots being encountered, they may be pruned back, making a clean cut with a suitable sharp tool (e.g. bypass secateurs or handsaw). If cement is used, an impermeable heavy gauged plastic should be used between the cement 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: The installation of the soil retention system should ensure a safe working area below ground level, by removing the risk of soil slip. Soil slip occurring within the tree rooting area can compromise the trees' health and safety.

a. Piled foundation (or similar design)
The location of the foundation is marked as a yellow polygon. A structural engineer with relevant experience should design the foundation, 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 will be no excavation or grading of existing soil, unless otherwise agreed with the Local Planning Authority and the site's acting Arboricultural Consultant. An impermeable heavy gauged plastic should be used between the reinforced floor 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 GH2206.1
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). 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 5

