

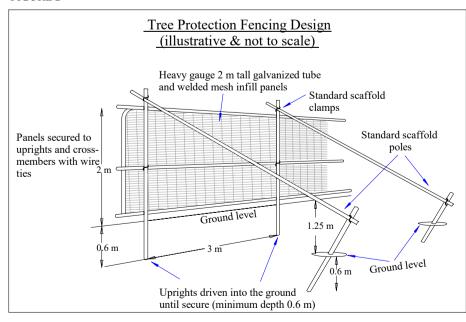
FIGURE 1

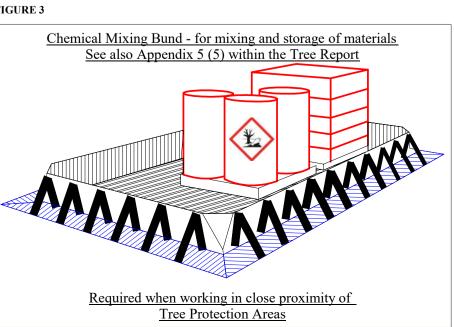


EXCLUSION ZONE NO ACCESS

To be attached to Tree Protection Fencing every 3 metres facing the site

FIGURE 2

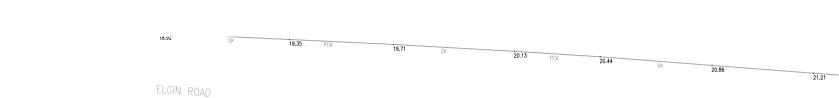


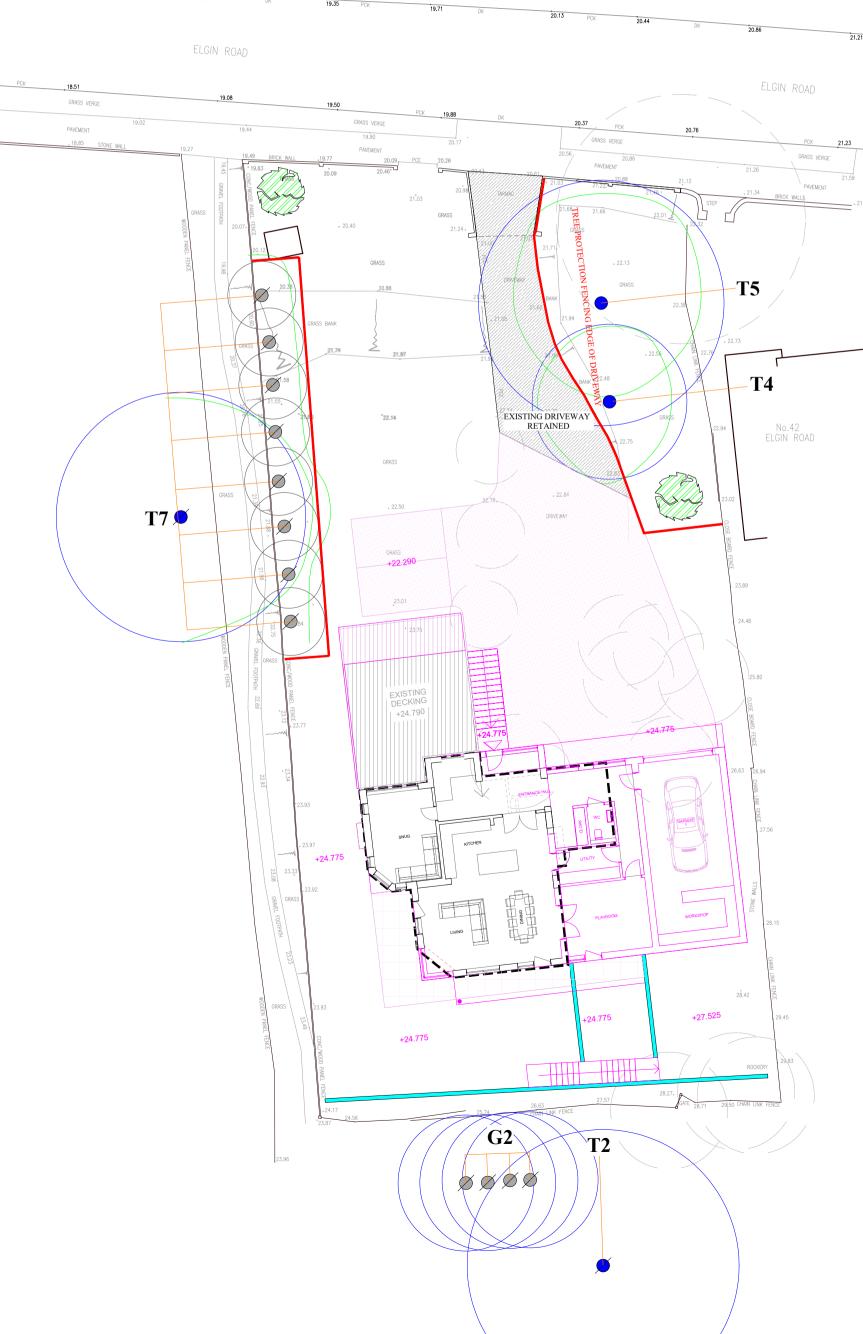


Tree Survey Schedule

Tree No.	Species	Height (m)	Diameter @ 1.5 m (cm)	Compass Points	Canopy (m)	Branch Height (m)	Canopy Height (m)	Age	Condition	-Preliminary Recommendations -Development Recommendations	Estimated remaining (years)	Root Protection Area (mR)	British Standard Category (2012)
G1	Leylandii x 3	#10	<26	N E S W	4 #3 #4 3	1	3	EM	Poor -unsuitable growing species for location due to lack of management	-consider removal -remove trees	<30	3.1	C2
T1	Holly	7	20	N E S W	#2 #2 #2 #2	1	1	EM	Poor -dead tree growing on boundary	-remove tree -remove tree	#<20	2.4	U
G2	Holly	#8	#30	N E S W	4 #3 #3 #3	1	1	М	#Fair -low canopy over site	-prune back to boundary -as preliminary recommendations	<30	3.6	#C/B2
T2	Maritime Pine	#17	#60	N E S W	10 #5 #5 #5	3	0	М	#Fair/Poor -low primary branch fallen into site	-prune back to boundary -as preliminary recommendations	#30	7.2	#B2
G3	Fruit Trees	<4	<20	N E S W	<2 <2 <2 <2 <2	<2	1	EM	Fair/Poor -pruned for fruit -one tree west in poor condition	-no work -remove trees	<20	2.4	<c2< td=""></c2<>
ТЗ	Lawson Cypress	7	21	N E S W	1 1 1	3	2	М	Poor\Fair -formal planting -raised roots in path -branches touching structure	-consider removal -remove tree	<20	2.5	C1
G4	Magnolia Kaka Beak Rowan	<5	<15	N E S	2 2 3 2	0	0	<m< td=""><td>Fair -formal planting</td><td>-no work -remove trees</td><td><20</td><td>1.8</td><td>C2</td></m<>	Fair -formal planting	-no work -remove trees	<20	1.8	C2
T4	Silver Birch	12	34	N E S W	4 3 4 4	5	2	М	Fair -historically growth suppressed from east, creating sweeping stem west	-no work -as preliminary recommendations	<30	4.1	B2/1
T5	Scots Pine	14	54	N E S W	#6 #5 5	6	5	М	Fair -slight sweeping stem north -minor deadwood within canopy	-no work -as preliminary recommendations	<30	6.5	B1/2
T6	Acacia	#10	#55	N E S W	5 3 3 3	6	5	M	Poor -unable to completely measure DBH due to fence -cavities on main stem -upper canopy in decline -extensive deadwood throughout canopy	-consider removal -remove tree	<20	6.6	C2/U
G5	Mimosa Cherry Laurel Thuja Viburnum Tinus	<4	<15	N E S W	1 <2 1 2	0	0	EM	Poor\Fair -partially managed formal hedge	-consider reduction in height to 3 m -as preliminary recommendations	<20	1.8	C2
T7	Pedunculate Oak	#10	#55	N E S W	#6 7 #6 #6	#3	#4	М	#Fair -unable to completely assess: neighbours' tree -growing on lower ground, with gravel board retaining wall, path between	-no work -as preliminary recommendations	#<30	6.6	#B1

TREE PROTECTION PLAN (PROPOSED) GH2365b





TREE CONSTRAINTS PLAN - LEGEND Tree Location & **1** T1 & G1 **Canopy Spread** Trees not detailed on plans provided

British Standard 583	7-2012 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	
Existing Structure	
Proposed Structures	
Tree Protection Fencing Design 1 (see section 2)	
Existing driveway retained as Ground Protection (see section 2)	
Soil Retention System (see section 3)	
Recommended location for tree planting (historic Regulation 14 & replacement for tree T6)	

Landscape and related Tree Protection

North

Electricity, Gas, Broadband and Water, including Foul water

Site Address: 38 Elgin Road Dorset, BH14 8QX Client Grennall Developments

Document Titles: Tree Constraints Plan GH2365a Tree Protection Plan GH2365b Arboricultural Method Statement

Paper Size and Scale: A1 - As Plan Project Ref: GH2365 03/07/2023

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 nents. All dimensions to be checked on site prior to comme of work. Differences between drawings, specifications or structural engine details are to be referred immediately to GTree Ltd. Work should only be undertaken from local authority approved drawing For further information see associated report GH2365

THIS PLAN SHOULD BE VIEWED IN COLOUR



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Removal of proposed additional Unit 04/01/2024 Proposed side extension & driveway modification | 02/04/2024 **Arboricultural Method Statement GH2365**

- 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 soil retention system (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 developer's acting Arboricultural Consultant or LPA Arboricultural Officer.
- **B.** tree work see Tree Survey Schedule
- 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, section 2 and plan GH2365b), 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. specific construction technique see section 3: soil retention system

Phased Development in relation to Tree Protection – in order of events A to I

- services installation see section 4
- **G.** main construction & main construction completion
- H. removal of Tree Protection measures see section 5
- landscaping and related Tree Protection see section 6

→ = 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

<u>Tree Protection fencing design</u> for construction and demolition, requires a scaffold framework with Heras Panels or steel mesh attached. For fencing design and specific locations, see plan GH2365b 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.

Existing hardstanding retained as Ground Protection The areas requiring this working method are depicted in plan GH2365b as grey striped polygon and is located within the retained trees' theoretical Root Protection Area. 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. 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.

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

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)

The soil retention system (retaining walls), in relation to trees, is detailed within plan GH2365b as light-blue polygons and should be designed by a structural engineer with relevant experience, 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), except where they occur in clumps. If exposed soil and roots are to be left exposed for more than one day, they should be covered in dry hessian sacking, or similar material, to avoid desiccation and frost, which will compromise the soil and roots' ability to function adequately.

Reason: The installation of the soil retention system should ensure a safe working area below ground level, by removing the risk of soil slip within the tree rooting area, which can compromise the trees' health and safety.

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 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. 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.

6. Landscaping and related Tree Protection

When working within or close to the Root Protection Area (RPA) of trees the following must be observed. Unless otherwise agreed with the site's acting Arboricultural Consultant (AC) or the Local Planning Authority (LPA), all works within these areas must be undertaken using hand tools only. If there is a requirement for the use of a vehicle within the tree RPA, the machine must be supported by Ground Guards. The driving of vehicles over open ground, designated for planting, should be avoided, as it may cause soil compaction. Tree / shrub stumps are to be ground out using a Stump Grinder. There should be no major changes in existing soil levels. Surface vegetation can be removed and/or by removing the top 50 mm of vegetation and humus only (unless the tree has very shallow roots; advice should be sought from AC). If the ground is slightly uneven, good quality soil with high granular material content, can be used to level it out. There should be no infill deeper than 150 mm unless advice is gained from AC. The removal of hardstanding and or garden features must be undertaken with caution. Retaining walls within areas designated for tree root protection, must be left in-situ, unless otherwise mentioned within this report. No new structures (unless otherwise agreed with AC or LPA) e.g. walls, footpaths, or water features, should be built within the Root Protection Area of retained trees. If tree roots are unearthed when planting trees and plants with large root balls, roots over 25 mm in diameter should not be pruned. 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.

Reasons: Excavation and overburdening of existing soil without arboricultural guidance will inevitably compromise tree roots and their surrounding soil structure. In turn, the tree health and stability will have been compromised.

• 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

• The Tree Protection Measures within this document must be included in any Construction Method Statement and Traffic Management Plan, relating to this