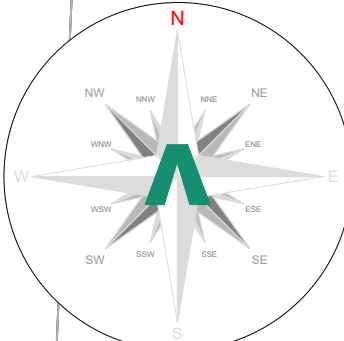


Utility apparatus

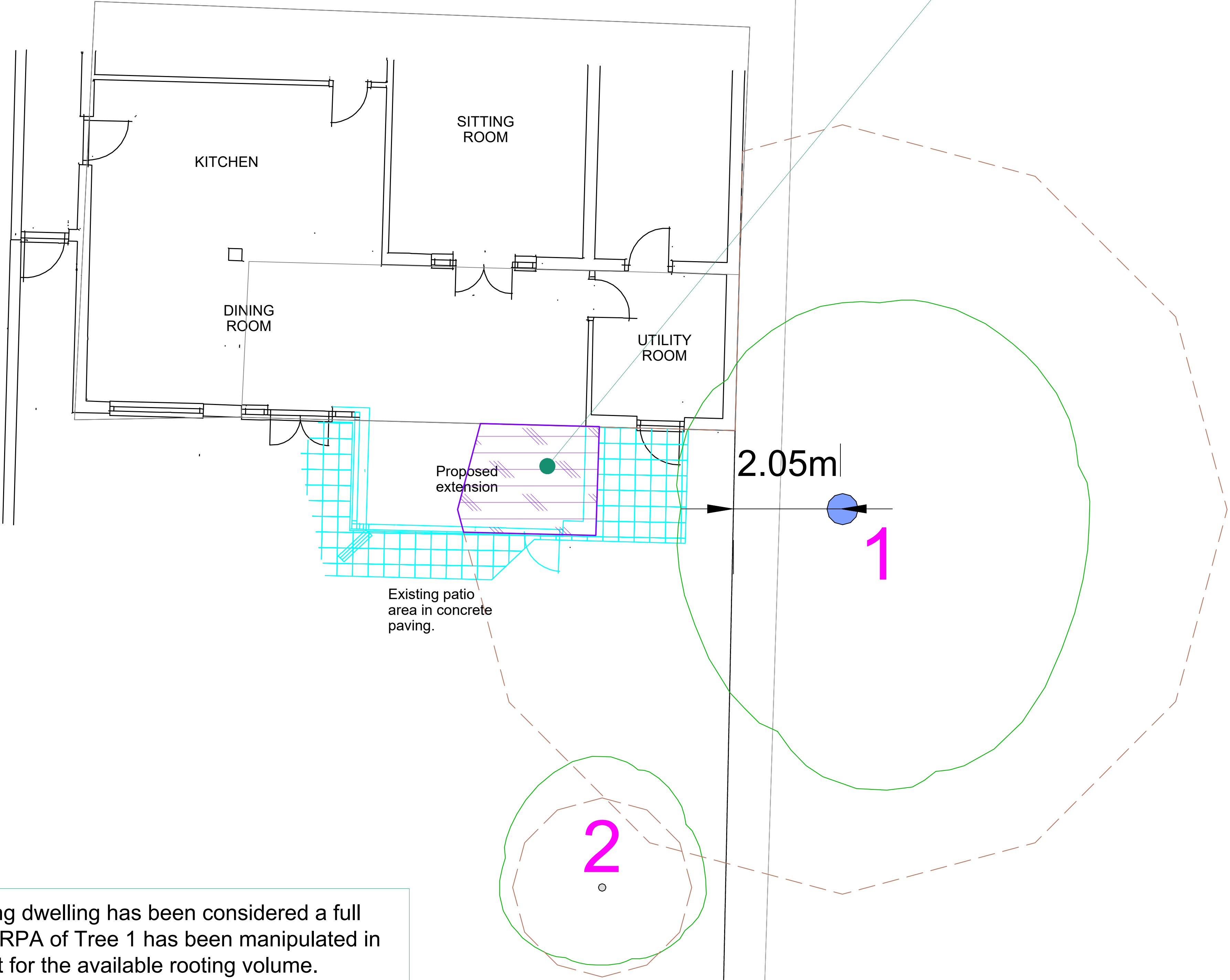
Underground utility apparatus
Mechanical trenching for the installation of underground apparatus and drainage severs any roots present and can change the local hydrology in a way that adversely affects the health of the tree. For this reason, particular care should be taken in the route and methods of installation of all underground apparatus. Wherever possible, apparatus should be routed outside of RPAs. Where this is not possible, it is preferable to keep apparatus together in common ducts, all inspection chambers should be sited outside of the RPAs.
Where underground apparatus is to pass within the RPAs, detailed plans showing the proposed route should be drawn up in conjunction with the project arboriculturist. In such cases trenchless insertion methods should be used with entry and retrieval pits being located outside of the RPAs. If this option is not feasible and providing roots can be retained and protected excavations should be undertaken using hand held tools (air-spade, forks, shovels) or a combination of trenchless and manual excavation (broken trench).
Any design and installation should be undertaken in accordance with the National Joint Utilities Guidelines (NJUG).
Above-ground utility apparatus
Above-ground apparatus (including CCTV cameras and lighting) should be sited to avoid the need for detrimental tree pruning, as such the current and future crown size of the tree should be assessed.
Tree branches can be pruned back with care to provide space, though it is not appropriate for repetitive and significant tree work to bear initial design solution unless this is a suitable management outcome for the tree. Any pruning should be undertaken in accordance with BS3998:2010



Indicative only

Issue: Proposed rear extension is situated within the RPA of Tree 1.

Solution: The minor (3.1%) incursion into the RPA will be offset by increasing the protection area elsewhere and mitigating for any potential loss of rooting medium.



Note: The existing dwelling has been considered a full root barrier. The RPA of Tree 1 has been manipulated in shape to account for the available rooting volume. Whilst we currently do not have enough information with regards to the existing foundations, soil types etc, to definitively determine the extent of the root barrier, a largest possible offset has been assumed.

Arboricultural Impacts				
Impacts				Nos. of trees
Trees to be removed				0
Groups / Hedges to be removed (Partial removal of groups)				0 (0)
Trees with proposed incursions into RPAs				1
Groups / Hedges with proposed incursions into RPAs				0
Trees that will require pruning				0
Groups / Hedges that will require pruning				0
Trees to be transplanted				0
Groups / Hedges to be transplanted				0
Tree No	Species	Proposed structure	Incursion	
1	Deodar Cedar	Extension	RPA	

Arboricultural Impacts - RPAs (Area)				
Tree No	Species	RPA (m²)	Incursion (m²)	Incursion (%)
1	Deodar Cedar	165.6	5.2	3.1

No. of individual trees to be removed				
U	A	B	C	
0	0	0	0	

No. of groups / hedges to be removed				
U	A	B	C	
0 (0)	0 (0)	0 (0)	0 (0)	
() = Partial removal of a groups				

Arboricultural Method Statement				
All tree work is to be undertaken in accordance with British Standard Please refer to Arbtech Consulting Ltd. Tree Schedule, Arboricultural Method Statement and Tree Protection Plan, for full details of all surveyed trees and how all aspects of the development maybe implemented without detriment to retained trees.				

ARBTECH

Unit 3, Well House Barns, Chester, CH4 0DH
https://arbtech.co.uk, 01244 661170

Project:

Midway,
Avisford Park Road,
Walberton,
West Sussex,
BN18 0AP

Client:

Goodwood Orangeries

Drawing:

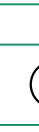
Arboricultural Impact Assessment

Based on:

02-285-120-2

Drawing No:		Rev:
Arbtech AIA 01		01
Date:	Scale:	Drawn:
May 2022	1:50 @ A1	AJN

Key:

Tree Nos.:	1	Tree Canopies:		Trunks:	
RPAs:		Category 'B' trees:		Category 'C' trees:	
Existing Site:		Proposed Site:		Incursion - Structures:	

All dimensions should be checked on site. No dimensions are to be scaled from this drawing.
Please notify us of any discrepancies found. Arbtech Consulting Ltd. cannot be held responsible for inaccuracies in the base drawing in which this plan is based.
This drawing is designed to reflect the principles of the layout or design only, and relates only to the protection of retained trees.
This drawing is not to be read as a definitive part of the engineering or construction designs or method statement. An architect or structural engineer should be contacted over any matters of construction, detailing or specification and for any standards or regulatory requirements relating to proposed structures, hard surfacing or underground services.
This drawing was produced in colour - a monochrome copy should not be relied upon.

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