

Arboricultural Impact Assessment

at
West Lane
Gomersal



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1 Purpose and scope of report

This report has been created in accordance with BS5837:2012 to assess the impacts of proposed development as shown in the draft tree protection plan at Appendix 1 and also incorporates information taken from our tree survey Ref 220108aTS. This impact assessment should be read in conjunction with the tree survey, and as required by BS5837, it includes consideration of:

- The tree survey
- Trees selected for retention
- Trees selected for removal
- Trees to be pruned
- Areas designated for structural landscaping which need soil protection
- Evaluation of impact of tree losses
- Evaluation of tree constraints and tree protection plan
- Issues to be addressed by an arboricultural method statement

2 General information

It is advisable to have trees regularly surveyed by a suitably qualified and experienced arboricultural consultant. In this instance it is recommended that the next survey is undertaken within 12 months of this report. If the site or adjacent areas change use, or if there are significant changes to the condition of the site or adjacent areas, or if there are significant changes to the trees surveyed, it is recommended that professional arboricultural advice is obtained.

The plans included as part of this report are based on those provided by the client or their representatives. Whilst reasonable steps are taken to ensure plans are accurate and correct, the consultant will not be responsible for errors or omissions arising due to information provided by the client or the client's representatives.

All tree works should be carried out to BS 3998:2010 - '*Recommendations for tree work*' unless otherwise specified, and by a suitably qualified, experienced and insured contractor.

3 Trees selected for removal, retention and/or pruning

Details regarding tree retention and removal are shown at Appendix 1.



4 Evaluation of impact of tree losses

Trees which are to be removed as part of this development are of low quality and/or value.

Some larger trees are also shown to be removed, but this is as a result of them being found to be hazardous, diseased, or decayed. Several of the trees have been found to be hazardous when inspected by this consultant, who holds up to date training and qualifications in professional tree inspections.

As noted in the tree survey, group G5 is a neglected hedge made up of very small and low value trees and shrubs. None of these trees are of sufficient age or size to be considered as having a high amenity value, and this is reflected in the fact that these trees are not protected by a tree preservation order.

Most of the trees/shrubs in G5 have been cut back multiple times in the past – this is as would be expected with a neglected hedge – and it is noted that Kirklees does not consider trees which have been topped as worthy of protection with a tree preservation order.

The trees/shrubs in group G5 would not normally be considered as a constraint to development.

5 New tree planting

As part of the development of this site, there will be 49 new birch trees planted, along with 1000 new hedge plants/trees.

All things considered, this provides a substantial increase in the total tree cover on the site, and this new tree planting goes beyond mitigation and will increase the amenity value of the trees on this site.

6 Evaluation of tree constraints and tree protection plan

The draft tree protection plan shows all retained trees as being protected during development in accordance with BS5837:2012.

All excavation works are located outside the root protection areas of the trees on this site which are shown as being retained.

All dwelling spaces are located outside areas of potential concern regarding shading from trees. A potential tree shade diagram has been prepared in accordance with BS5837, and this confirms that shading from retained trees will not be a concern.

7 Issues to be addressed by an arboricultural method statement

Trees will be adequately protected throughout this development with the use of tree protection fencing as shown in the draft tree protection plan. It is unlikely that specialist tree protection measures will be required on this site.



8 Consultant's qualifications and experience

This report has been undertaken by James Royston who has over twenty years experience in arboriculture, forestry, and urban forestry, of which the last 12 years have been spent as a full-time consultant specialising in trees and development, tree related hazards, and sustainable tree management.

In addition, this experience has included work as a tree officer in a local authority planning department, expert witness work for the courts, subsidence investigation works for loss adjusters and insurance companies, and undertaking the role of president of the Consulting Arborist Society.

Academic qualifications include:

MSc Arboriculture and Urban Forestry,
BSc (Hons) Forestry.

Recent professional development courses have included:

Tree Preservation Order Workshop *by the Consulting Arborist Society,*
Trees and Mortgage/Insurance Reporting *by the Association of Mortgage Users Insurance Group,*
Professional Tree Inspection *by LANTRA Awards,*
BS5837:2012 Workshops *by the Arboricultural Association,*
The Future of Tree Risk Management part I and II *by the Treeworks Environmental Practice,*
Trees and Subsidence *by OCA Ltd,*
CTLA Tree Valuation Seminar *by the Consulting Arborist Society,*
Expert Witness Training *by Bond Solon*
THREATS training *by Julian Forbes-Laird.*
Homebuyers Tree Reports *by the Consulting Arborist Society*

Professional associations have included:

Professional member of the Arboricultural Association and the Consulting Arborist Society.
Chartered Environmentalist.
Trustmark Approved Consultant – Working to Government Approved Standards.



9 Contact Details

I hope this report provides all the required information. However, if further advice is needed then please contact me and I will be happy to help.

James Royston – Independent Arboricultural Consultant

MSc Arboriculture and Urban Forestry, BSc (Hons) Forestry.

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Report completed 18th March 2022



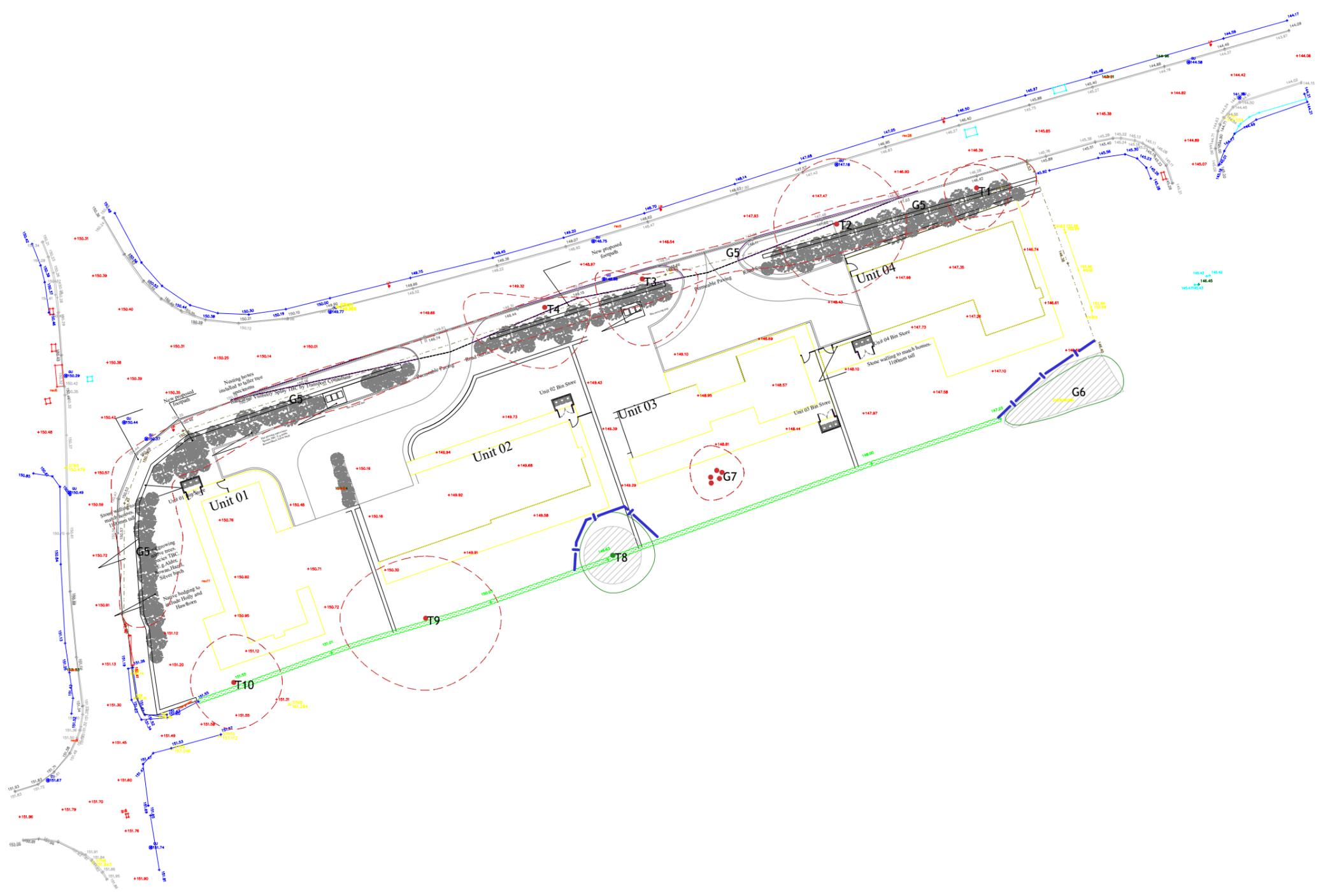
Appendix 1: Tree works



Tree Number	Common Name	Botanical Name	Pre-development tree works	Reason for works
1	Ash	<i>Fraxinus excelsior</i>	Remove	To allow for development
2	Ash	<i>Fraxinus excelsior</i>	Remove	Hazardous tree
3	Ash	<i>Fraxinus excelsior</i>	Remove	Hazardous tree
4	Oak	<i>Quercus sp.</i>	Remove	Potentially hazardous tree
5	Holly and ash	<i>Ilex aquifolium and Fraxinus excelsior</i>	Remove	To allow for development
6	Hawthorn	<i>Crataegus monogyna</i>	None	NA
7	Plum	<i>Prunus sp.</i>	Remove	To allow for development
8	Ash	<i>Fraxinus excelsior</i>	None	NA
9	Ash	<i>Fraxinus excelsior</i>	Remove	Hazardous tree
10	Ash	<i>Fraxinus excelsior</i>	Remove	Hazardous tree

Appendix 2: Draft tree protection plan





James Royston
Arboricultural Consultant

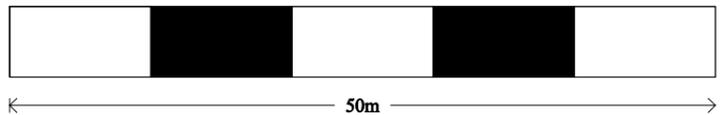
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Draft Tree Protection Plan to BS5837:2012 at:
West Lane, Gomersal

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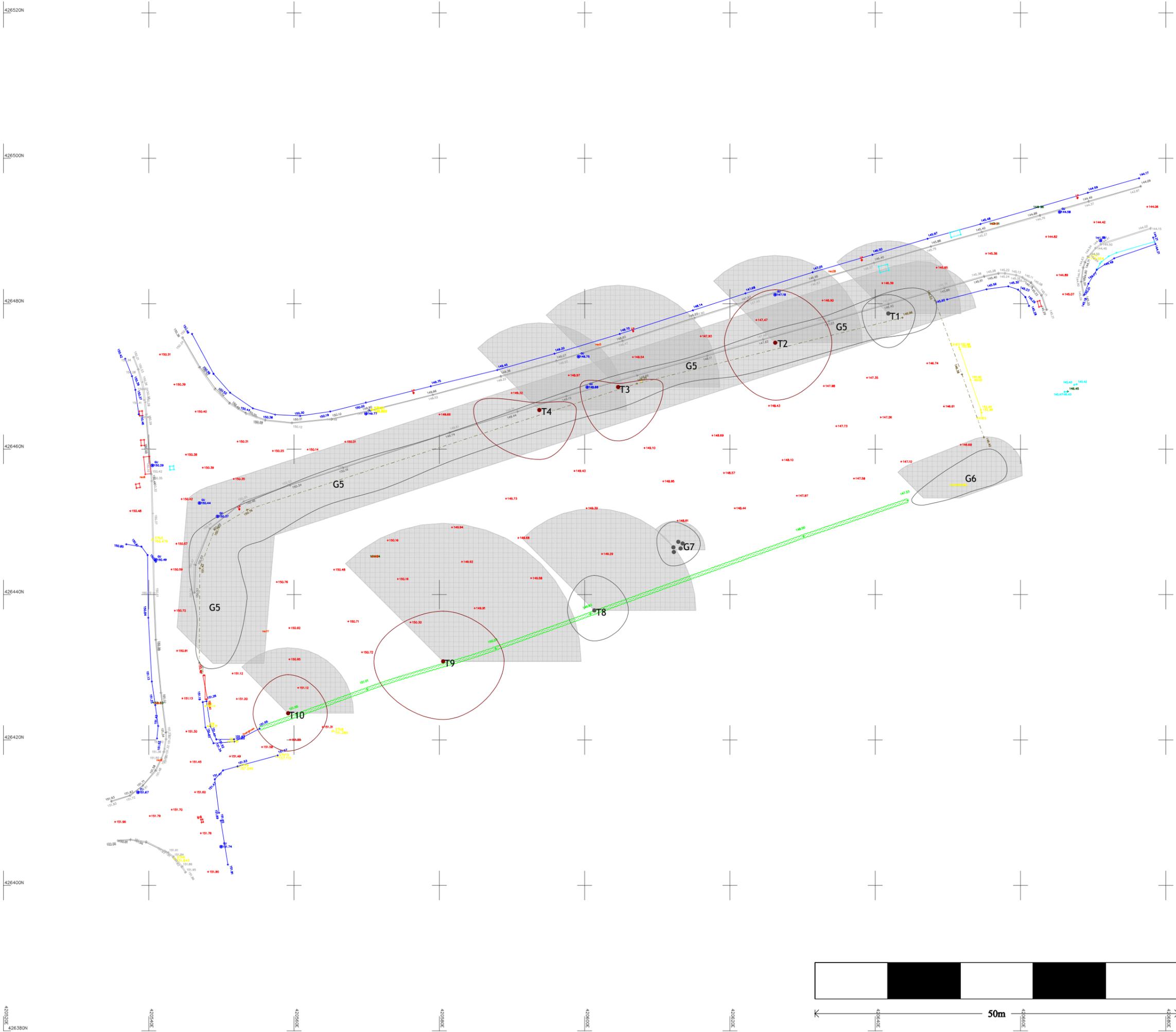
Key	
	Tree to be retained
	Tree to be removed
	Root Protection Area (RPA) shown as a circle as an approximate guide
	Location of tree protective fencing
	Area of special tree protection measures. See annotations and method statement for further details.

Note: Plans are for guidance only. These drawings should not be used for scaling.



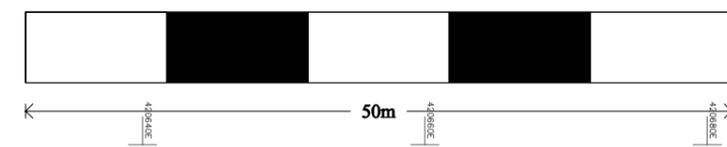
Appendix 3: Draft shade plan





Note: Plans are for guidance only. These drawings should not be used for scaling.

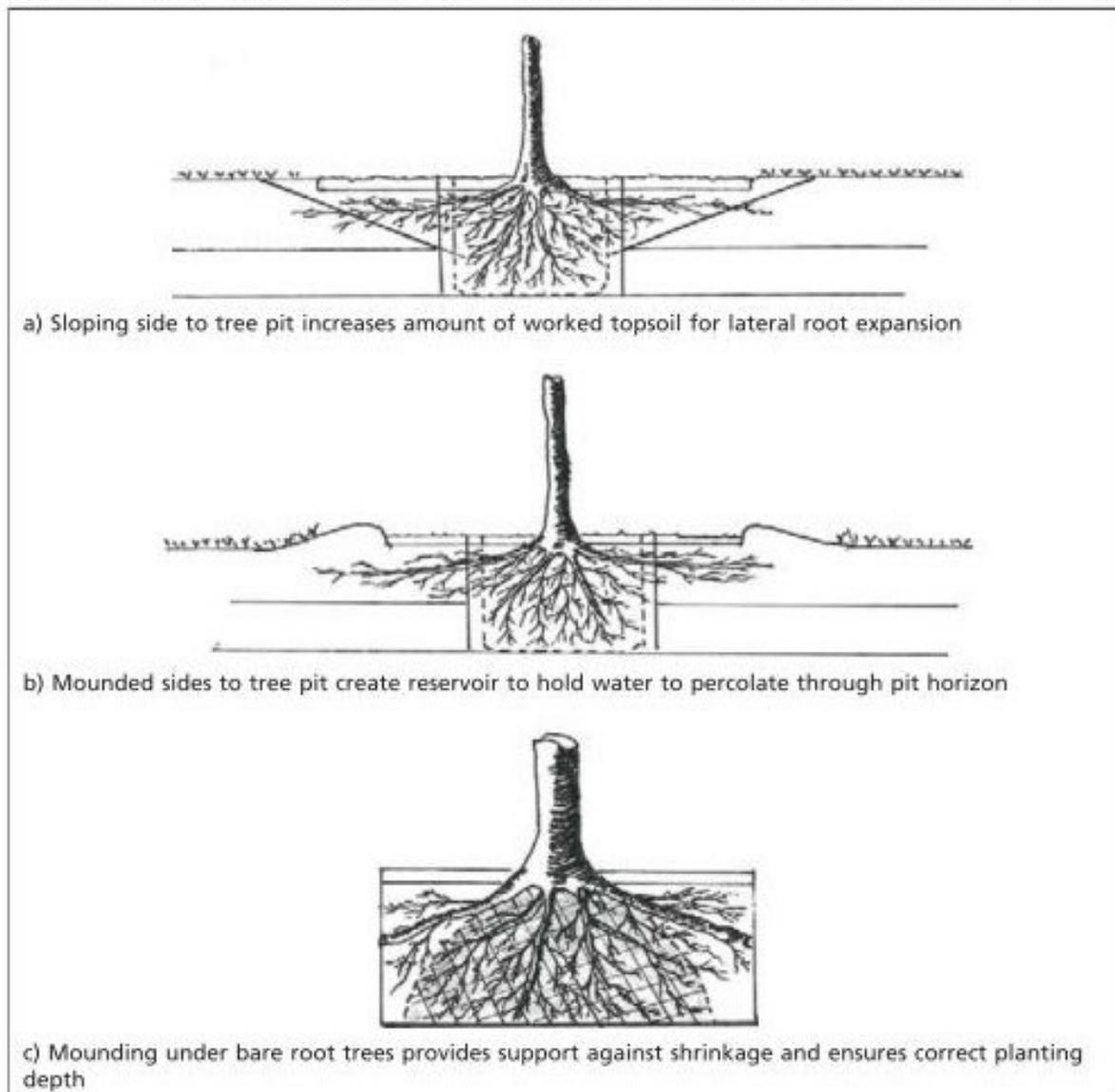
<p>James Royston Arbicultural Consultant</p> <p>The Media Centre - 7 Northumberland Street - Huddersfield - HD1 1RL jr@jamesroyston.co.uk - 01484 483061 - www.jamesroyston.co.uk</p>	
<p>Tree shade plan at: Moor Lane, Gomersal</p>	
1:500	PAPER SIZE A3
<p>Key</p>	
	Category A Tree
	Category B Tree
	Category C Tree
	Category U Tree
	Area of potential concern regarding shade cast by trees
	• NST Not Significant Tree - not included in survey because of low value and/or insignificance to local tree-scape



Appendix 4: Tree planting statement

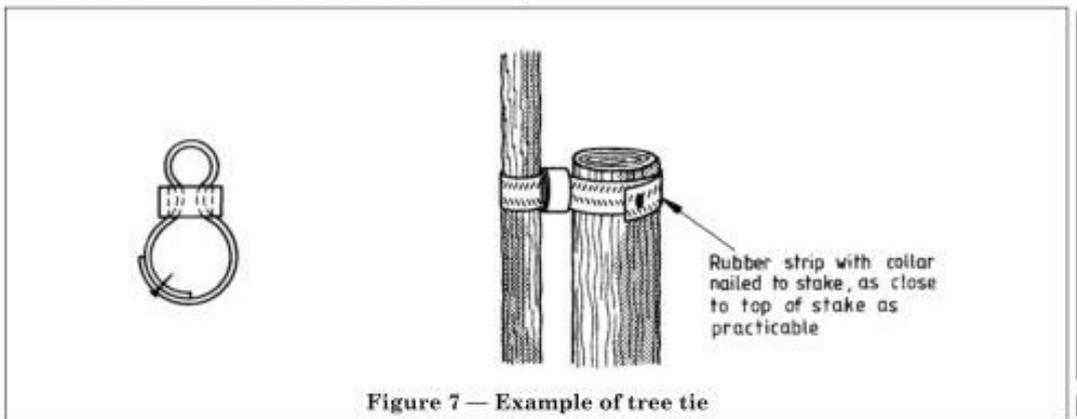
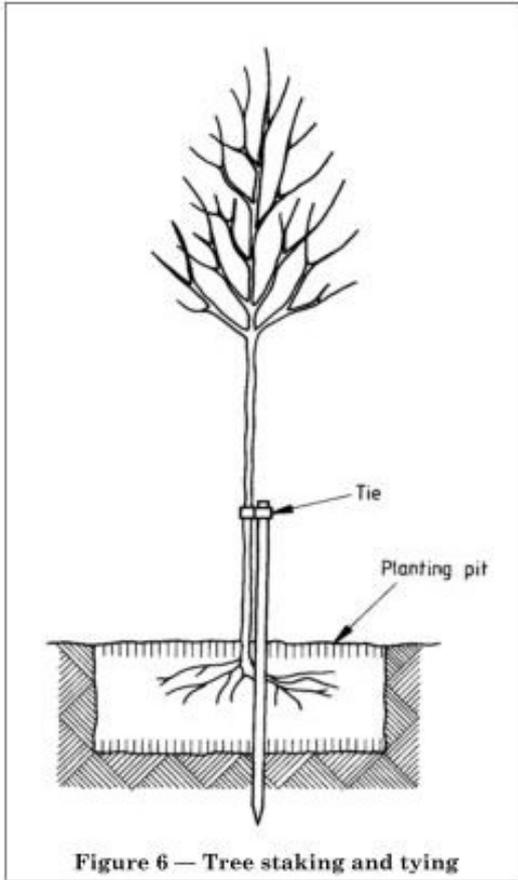


Figure F.3 Tree pit design: Options for planting pit where site constraints are non-existent or minimal



On this site, new trees shall be native birch trees *Betula pendula* and they shall be half standards as defined by BS3936. The attached planting scheme shows 49 new birch trees planted in an informal row along the front of the site. The trees are planted at 2.4m spacing in accordance with government guidance.

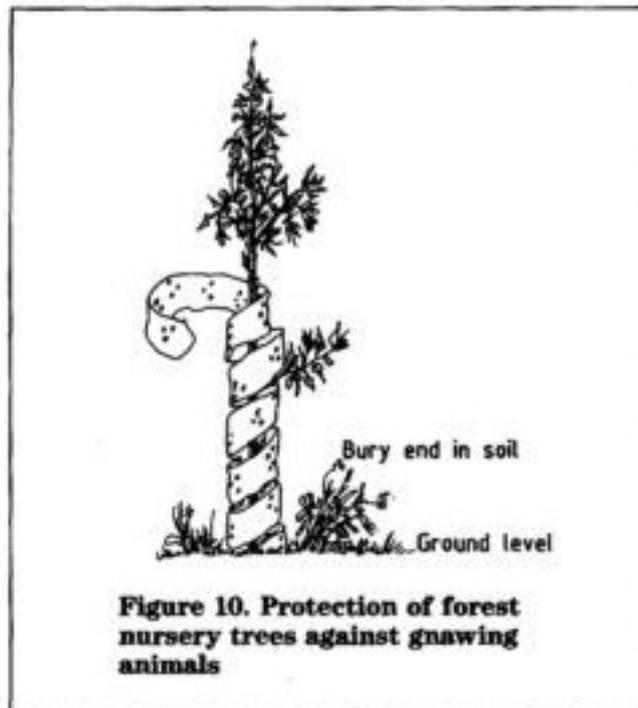
New trees shall be planted in accordance with British Standard BS 8545. Tree pits shall be as simple as possible and shall be dug so as to have a diameter 75mm larger than that of the root system. Tree pits shall incorporate the features as detailed in figure F.3 parts a, b, and c as shown above.



New trees will be supported with one tree stake in accordance with BS 4428 as shown above. The overall length of the stake shall be sufficient to ensure that they are firm when driven into the soil and that the top of the stake extends above ground level to approximately one third of the tree's height. Stakes should be whole sections of softwood timber 50 mm to 75 mm top diameter, peeled and pressure treated in accordance with BS 4072. Use ties with a spacer and of a type that can be adjusted as the tree grows. Position one tree tie as close to the top of the stake as practicable to hold the tree, ensuring that tree and stake do not touch in any place.

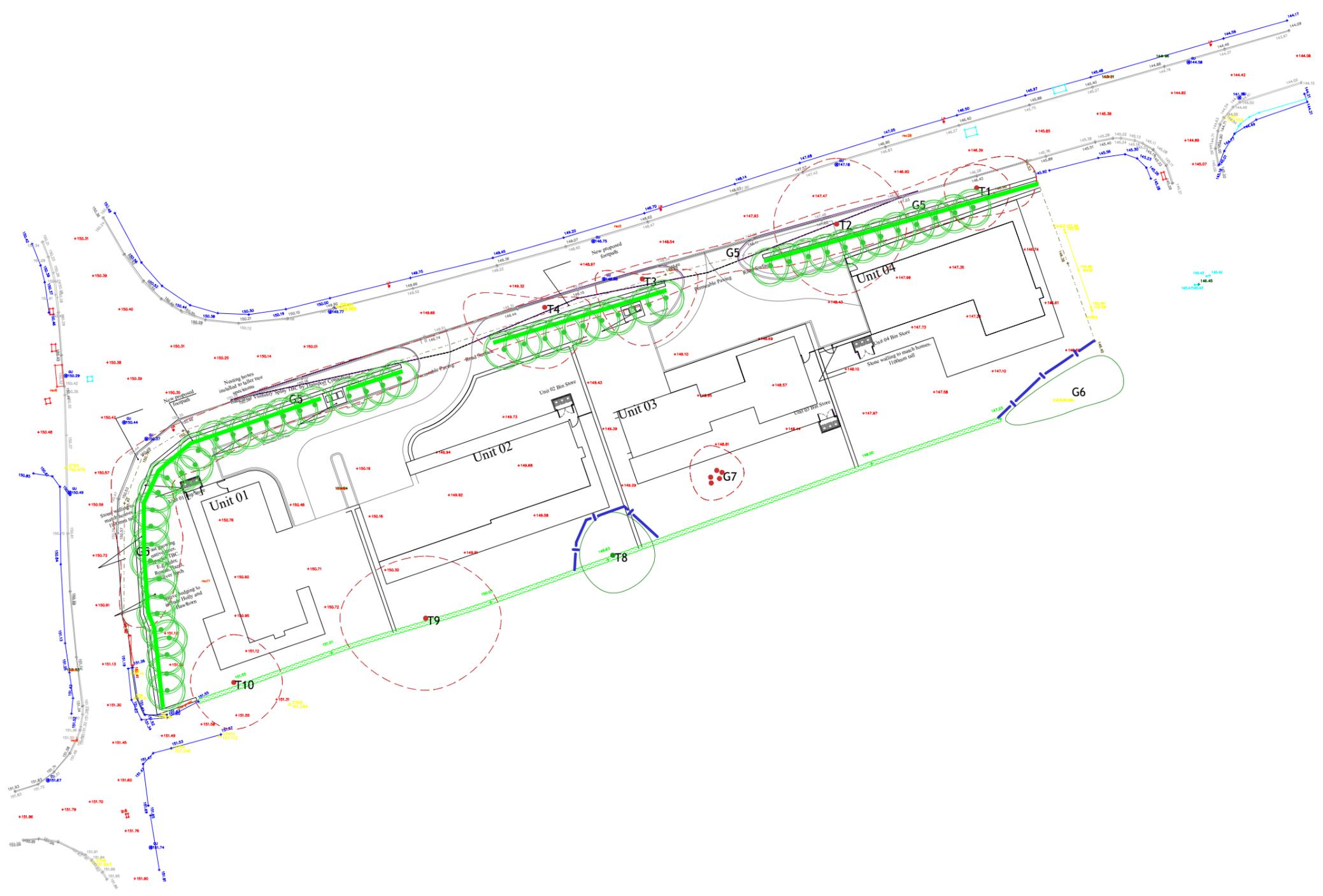
The new hedge will be made up of native hawthorn *Crataegus monogyna*. This will be planted in a staggered double row with each row containing 4 to 6 whips in each metre – as is recommended in government guidance. The attached planting scheme shows 105m of new hedging, this would include between 840 to 1260 new plants/trees.

All new planting will be protected against gnawing animals in accordance with BS7370 as shown below.



Appendix 5: Tree planting plan





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Tree planting scheme at:
West Lane, Gomersal

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Key	
	Tree to be retained
	Tree to be removed
	Half standard birch to be planted
	Location of tree protective fencing
	Hawthorn hedge to be planted

Note: Plans are for guidance only. These drawings should not be used for scaling.

