

**WAKEFIELD ROAD, SMITHIES, BARNSELY
for Gleeson Homes & Regeneration**

ARBORICULTURAL METHOD STATEMENT



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APPENDIX: Abstract from BS 5837: 2012

DRAWINGS 3836/5-6: Tree Protection Fencing

See drawings 3836/5-6 and refer to TEP Tree Survey dated Sep 2017

1.0 INTRODUCTION

- 1.1 This Method Statement has been drawn up to assist Barnsley Metropolitan Borough Council and the developer in overseeing the construction of the proposed housing development by Gleeson Homes.
- 1.2 The document seeks to describe the site and its tree cover, list those trees which are proposed for removal due to the development, those which need to be removed for technical reasons and those which are to remain.
- 1.3 It describes the proposals for ensuring that the trees that are to remain would survive the development and thrive after the development.
- 1.4 The development and timing of construction operations are described, together with materials which would be used in order to maximise tree protection.
- 1.5 The document also includes a section of useful telephone numbers and addresses.
- 1.6 This Statement will be included as part of the specification and schedule of works issued to the building contractor and will form part of the contract. The Statement will be available on site for inspection.

2.0 SITE DESCRIPTION

- 2.1 The site comprises an area of land located off Wakefield Road in Athersley, Barnsley. At present, it comprises open fields with horse paddocks, rough scrubland, and scattered trees on undulating topography.

3.0 TREES AFFECTED BY DEVELOPMENT

- 3.1 There are no trees recommended for removal on arboricultural grounds.
- 3.3 The following items of vegetation that are to be removed for development purposes (tree numbers as schedule in TEP report and on drawings 3836/5-6):

Individual trees

T3	Lilac
T7	Hawthorn
T8	Ash
T9	Hawthorn
T10	Hawthorn
T11	Hawthorn
T12	Hawthorn
T13	Hawthorn
T14	Hawthorn
T15	Hawthorn
T16	Hawthorn
T17	Hawthorn

Tree / shrub groups

G7	Hawthorn
G8	Hawthorn
G9	Hawthorn
G10	Crab Apple
G11	Hawthorn
G12	Hawthorn
G13	Hawthorn
G15	Hawthorn
G16	Hawthorn
G18	Hawthorn

3.4 Parts of the following items of vegetation that are to be removed for development purposes:

Tree / shrub groups

G14	Hawthorn	Retain two 7m lengths at southern end. Remove remainder.
G17	Hawthorn, Willow, Ash, Sycamore	Retain 23x12m block (see plan); remove remainder.
G19	Goat Willow	}
G20	Hawthorn, Blackthorn, Goat Willow	
G21	Sycamore, Silver Birch, Hawthorn	}
G22	Willow, Silver Birch, Hawthorn	
		Trim back to site boundary
		Remove southern line of vegetation

Woodland

W1	Sycamore, Silver Birch, Ash, Hawthorn, Willow, Oak	}	Trim back to enable construction works

4.0 TREE REMOVAL

4.1 The first operation on the site will be the removal of all trees thus scheduled.

4.2 These works will be undertaken with care to avoid damage to adjacent specimens due for retention.

5.0 REMEDIAL WORK

5.1 When all the felling is completed, the necessary tree surgery will be carried out.

5.2 This will principally involve only the general removal of deadwood from the crowns of trees and the removal of the lowest limbs (light crown lift) of some trees.

5.3 All work will comply with British Standard 3998 (2010).

6.0 PROTECTIVE FENCING

6.1 Prior to machinery entering the site for any building, levelling or site clearance purposes, all trees listed to be retained within the development will be fenced off in a continuous line around their crowns; or where practical, in accordance with British Standard (BS) 5837: 2012: clause 7.1 and 7.2 (see Appendix A and drawings 3836/5-6).

- 6.2 The fencing will be constructed with a framework of scaffolding poles driven 600mm into the ground, braced together and backstays will then be added at 3m centres. Onto this will be attached a continuous line of welded mesh panels. Alternatively, ply or corrugated sheet metal panels may be used to be securely fixed to the frame with wire or scaffold clamps in accordance with BS 5837: 2012.
- 6.3 Where fence installation into soft ground is not possible an alternative specification of fencing described as acceptable within the BS (see Fig.3, Appendix A) is the use of welded mesh panels ('Heras' or similar) on rubber or concrete feet supported on the inner side by stabiliser struts on a base plate secured with ground pins (or on a block tray if sitting on retained hard surfacing).
- 6.4 Site notices on fencing will be used in the form of pre-printed laminated waterproof signs A3 in size fixed securely to fencing panels on each enclosure at 9m intervals. The signs will clearly read:

**PROTECTED TREE ZONE
NO STORAGE OR OPERATIONS WITHIN FENCED OFF AREAS**

- 6.5 Failure to comply with the above requirements could lead to enforcement action, including the issuing of a Stop Notice, until the matter has been remedied. Where damage has occurred to legally protected trees, the owner of the site may be liable for prosecution.

7.0 SITE INSPECTION

- 7.1 After tree felling and remedial work to trees have been completed (and following erection of the protective fencing), the developer's arboriculturist will visit the site. The reasons for this visit are firstly to check that the work to the trees is satisfactory, secondly to check the protective fencing, and thirdly to meet with the local authority's tree officer to ensure that they are also satisfied.
- 7.2 Any necessary amendments and improvements to the protective fencing agreed at this meeting will be undertaken following confirmation of the agreed changes in writing.

8.0 DEVELOPMENT PHASE

- 8.1 After all the felling, pruning and fencing has satisfactorily been completed, the developer can commence the on-site preparation works and construction can begin.
- 8.2 During the development phase the developer's arboriculturist will visit the site on a regular basis to check the protective fencing and make any recommendations on any maintenance required to it.
- 8.3 The local authority's tree officer will have reasonable access to the site to report any problem areas directly to the developer's arboriculturist who will then visit the site and make recommendations to the developer on how best to rectify the situation.

9.0 DEVELOPMENT NEAR TREES

- 9.1 In the unlikely event that the tree protection fence needs to be moved during the development, a meeting will be called to which the local authority's tree officer will be invited. This is to agree that the methods and new position of the tree protection fencing are adequate and meet with the local authority's approval.
- 9.2 Any other process which will require the movement of the protective fence line will require the presence of the developer's arboriculturist and the local authority's tree officer throughout the process. This work will therefore require to be carried out immediately following the removal of fencing (ideally within a single working day).
- 9.3 The following procedures will be adopted where construction work is required within the canopy zone of any retained tree ('protected zone'):
- 9.3.1 Prior to any work commencing within protected zones the contractor and developer's arboriculturist will meet on site to discuss appropriate procedures.
- 9.3.2 Excavations within protected zones will be backfilled with subsoil and good quality topsoil as soon as possible to minimise root desiccation.

10.0 SERVICES

- 10.1 All service runs will be aligned to pass beneath the surface of the roads and pavements where possible.
- 10.2 Should the need arise to dig within the protective fence lines at any time, the developer's arboriculturist will be present, and hand digging will be used.
- 10.3 All work to services on site will be undertaken in line with the NJUG "Guidelines for Planning, Installation and Maintenance of Utility Services in Proximity to Trees".
- 10.4 Fencing will be constructed at 2 metres from either side of the proposed sewers to permit access for excavation. Following construction, the excavation will be backfilled with clean subsoil (and topsoil to depth of surrounding areas) as quickly as possible – ideally within one working day. Any exposed roots will be covered with damp hessian to prevent desiccation.

11.0 REMOVAL OF THE PROTECTIVE FENCING

- 11.1 When the development is complete, all drainage and service runs are in place and the main site machinery has been removed, temporary protective fencing will be dismantled. This must be done with great care and will need to be supervised to avoid heavy machinery being used.

12.0 LANDSCAPING WITHIN THE TREE CANOPIES

- 12.1 Several trees will be subject to some form of replacement planting or seeding beneath the canopy after the main development phase has been completed. At this stage it is inevitable that the protective fencing will have to be removed.
- 12.2 In view of this, the planting will need to be carried out in such a way as to avoid level changes, deep digging and rotovating. Such details will be specified within the landscape contract and work will be supervised where appropriate by the developer's arboriculturist.

13.0 COMPLETION MEETING

- 13.1 Upon completion of all the works specified above and procedures also specified, the developer's arboriculturist will invite the local authority's tree officer to meet on site to discuss the process and to agree on any remedial works required.

14.0 USEFUL NAMES AND TELEPHONE NUMBERS

- 14.1 The developer – Gleeson Homes & Regeneration, Unit 3, Europa Court, Sheffield Business Park, SHEFFIELD S9 1XE

Tel: 0114 261 2900

- 14.2 The developer's landscape architect and arboriculturist – Rosetta Landscape Design, Swallow's Nest, Main Street, Askham Richard, YORK, YO23 3PT

Tel: +44 01904 500410

- 14.3 The developer's architect - PRA Architecture, 53 The Tannery, Lawrence Street, YORK YO10 3WH

Tel: 01904 653772

mp/ROSETTA LANDSCAPE DESIGN

26 April 2022

APPENDIX

BS 5837: 2012 (ABSTRACT)