

**BARNBURGH LANE, GOLDTHORPE PH.2
for Gleeson Homes & Regeneration**

ARBORICULTURAL METHOD STATEMENT



Chartered Landscape Architects

Swallow's Nest, Main Street
Askham Richard, YORK, YO23 3PT

Telephone +44 (0)1904 500410

Email: design@rosettalandscap.co.uk
Web: www.rosettalandscap.co.uk

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APPENDIX: Abstract from BS 5837: 2012

DRAWING 2595/3: Tree Protection Fencing

See drawing 2595/3 and refer to the Tree Survey document dated 21 Sep 2015

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 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 survey area is located around 1 km south-east of the village of Goldthorpe which itself lies around 10 km southeast of Barnsley. To the north lies an area of residential development currently under construction. Open fields –in agricultural use at the time of the survey – bound the site to the east and west. A wetland area containing a pond abuts the site to the south.
- 2.2 The site was formally in agricultural use, but this has now ceased, and the site is covered in rough grassland – badly drained in places. Ground is relatively level across the site at around 25 metres Above Ordnance Datum (AOD). Beyond the site to the south, east, and west ground levels remain the same whereas to the north ground rises gradually to around 30m AOD on Barnburgh Lane.

3.0 VEGETATION AFFECTED BY DEVELOPMENT

- 3.1 Most vegetation on site is due to remain and is shown on the attached drawing.
- 3.2 Items that are to be removed for development purposes are as follows:

H6	Remove self-sown scrub from eastern face of hedge to leave 3-4m width
H7	Remove 30m section at western end

4.0 VEGETATION REMOVAL

- 4.1 The first operation on the site will be the removal of all vegetation thus scheduled.
- 4.2 These works will be undertaken with care to avoid damage to adjacent plants 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 removal of deadwood and facing up of retained hedging.
- 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 drawing 2595/3).
- 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 remedial work has 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 COMPLETION MEETING

- 12.1 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.

13.0 USEFUL NAMES AND TELEPHONE NUMBERS

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

Tel: 0114 261 2900

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

Tel: 01904 500410

- 13.3 The developer's architect - Richard Ward Design, 2 Burtram Close, Weston Favell, NORTHAMPTON NN3 3PH

Tel: 01604 410 943

mp/ROSETTA LANDSCAPE DESIGN

28 October 2021

APPENDIX

BS 5837: 2012 (ABSTRACT)

on retained hard surfacing or it is otherwise unfeasible to use ground pins, e.g. due to the presence of underground services, the stabilizer struts should be mounted on a block tray (Figure 3b).

NOTE 1 Examples of configurations for steel mesh perimeter fencing systems are given in BS 1722-18.

NOTE 2 It might be feasible on some sites to use temporary site office buildings as components of the tree protection barriers, provided these can be installed and removed without damaging the retained trees or their rooting environment.

6.2.2.4 All-weather notices should be attached to the barrier with words such as: "CONSTRUCTION EXCLUSION ZONE – NO ACCESS".

Figure 2 Default specification for protective barrier

