
Arboricultural Method Statement

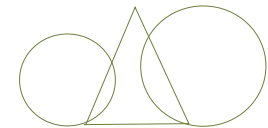
Site – Land Adjacent to The Lodge, Rectory Lane, Rivenhall

Client – HW Developments Limited.

Contact – Steven Higgon, HGN design limited.

Date - 18-06-21

To be read in conjunction with – Tree Survey Plan Drawing No. HGN/RL/01



Moore Partners Ltd

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Arboricultural method statement

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1 Statement of Purpose

1.1 This Method Statement (**AMS**) has been written for HGN Design Limited, to support the planning application for the development of the land adjacent to The Lodge, Rectory Lane.

The purpose of the method statement is to minimise the impact of the development and provide an adequate level of protection for the trees on the site. A copy should be available on site through out the build.

1.2 It should be read in conjunction with:-

Document	Author	Date
Tree Protection Plans HGN/RL/01	Moore Partners Ltd	1-06-21
Tree report and impact assessment	Moore Partners Ltd	1-06-21
Proposed site plan 9180.005	HGN design limited	04/19

1.3 Site Plan, site outlined in red see also drawing Tree Protection Plan HGN/RL/01 by Moore partners



fig 1 - site location

2 Phasing of Works impacting on the trees.

Phase	Date	Works
Enabling works prior to construction starting	TBA	Felling and removal of Trees not to be retained Installation of Tree Protection Fencing Installation of Additional Ground Protection
Construction of access roads and dwellings	TBA	All Tree Protection to remain in place for the duration of the build For access through the wood land belt any specific operations that could affect the tree to comply with the method set out in this document.
Completing of building and hard landscaping	TBA	After completion of all building and hard landscaping Tree Protection to be removed.

3 Tree works

Tree No.	Species	Works
T2	Lime	Fell facilitate the development
T3	Sycamore	Fell facilitate the development
T4	Cherry	Fell due to condition
T4	Norway spruce	Fell due to condition
T9	Norway spruce	Fell due to condition
T11	Walnut	fell due to condition
T12	Rhus	fell due to condition
T13	Sycamore	Fell facilitate the development
T14	Hazel	Fell facilitate the development
T15	Sycamore	Fell facilitate the development
T16	Norway spruce	fell to facilitate the development
T17	Norway spruce	fell to facilitate the development
T23	Eucalyptus	fell due to condition
T28	Oak	reduce back the crown of the tree on the house side by 2m
T33	Cherry plum	fell due to condition

T34	Hawthorn	Fell facilitate the development
T36	Apple	Fell facilitate the development
T37	Apple	Fell facilitate the development
T38	Apple	Fell facilitate the development
T39	Plum	Fell facilitate the development
T40	Pear	fell to facilitate the development

All tree works to be carried out by suitably qualified operatives and in line with BS3998:2010

4.0 Communication and supervision

4.1 Prior to commencement of works, a site meeting between all relevant parties should take place, to clarify responsibilities and site issues. This meeting should include, but is not limited to, arboricultural consultant, site manager, tree surgeon, engineer and if applicable the Councils Landscape and/or Arboricultural Officers.
A copy of the method statement will be retained on site and the site manager will be responsible for ensuring operatives adhere to the methodologies.

4.2 Issues of the method statement are to be made available to:

Project managers	TBA
Architects	HGN Design Limited
Client	HW Developments Limited.
Main Contractor/ Site manager	TBA
Tree contractor	TBA
Utilities Contractors	TBA
Ground works contractor	TBA
Any other contractor affected	

4.3 Regular arboricultural inspections are to be carried out, as required. These will be carried out by a qualified arboricultural consultant. The site manager and or project manager will contact the arb consultant to confirm dates for supervision of key operations. Photographic records and monitoring reports will be provided to the project managers and copies made available for the local authority if requested. Sample monitoring form is given in appendix 2.

Visit number	Date	Works
1	Enabling works	To check all tree protection fencing and additional ground protection is in place.
subsequently monthly		To check all tree protection fencing and additional ground protection is in place.

5.0 Protective fencing

- 5.1 All the retained trees will be protected by a total exclusion zone, the boundaries of which will be defined by protective fencing. This is to be carried out prior to the developer commencing on site. The fencing is to be set out in line with drawing number HGN/RL/01. The fencing is to be of 1.8m steel mesh, heras fencing, to be installed as detailed in BS5837:2012 section 6.2.2 figure 3. Once erected, the fencing will have all weather notices attached to the barrier worded "Construction Exclusion Zone –Keep out" The fencing will not be taken down until all construction of buildings and hard surfaces are complete. The fencing will not be moved without prior written consent from the local authority.

Figure 3 Examples of above-ground stabilizing systems

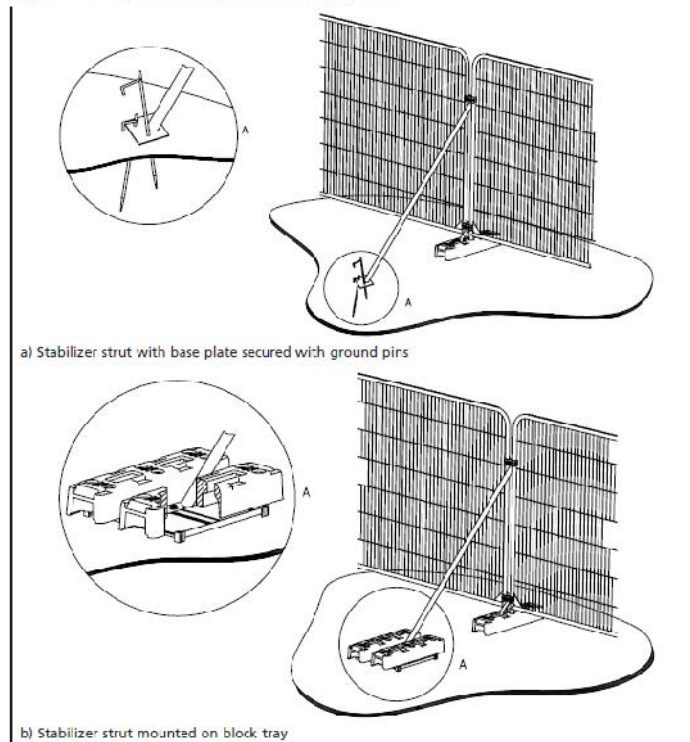


Fig 1 - Tree protection fencing installation



Fig 2- Signage for Tree protection fencing

6 Additional ground protection

6.1 The root protection area outside the exclusion zone will be protected using additional ground protection, for the duration of the building works, as shown in drawing HGN/RL/01.

This will protect the roots, and the soil around them, from damage by compaction, spillage, and excavation.

For pedestrian access, only, a single thickness of scaffold board either suspended on a driven scaffold frame to form a suspended walkway, or on a non compressible layer (eg 100mm layer of bark mulch) laid over a geotextile.

For pedestrian operated plant, up to a gross weight of 2 ton, proprietary inter linked ground protection boards, placed on a non compressible layer (e.g. 100mm layer of bark mulch) laid over a geotextile.

For wheeled or tracked plant over 2 ton is gross weight, an alternative system (e.g. proprietary system or pre-cast reinforced concrete slabs) to an engineering specification designed to accommodate the likely load it will be subject to.



Fig 3- for pedestrian and pedestrain operated plant access DuraMatt Access mat or similar

7 Access

- 7.1 The access into the site for the build will be off Rectory Lane, via a new road. A section of the hedge will be removed to create the access.

8 Site welfare facilities

- 8.1 Will be located outside the exclusion zones around the protected trees. There is adequate space outside the exclusion zones to facilitate the welfare facilities on the site. For example, in front of Plots 1& 2.

9 Materials and Storage

- 9.1 Will be located outside the exclusion zones around the protected trees to avoid compaction to any root areas of retained trees.

10 Service trenches

- 10.1 Any Utilities trenches should where possible avoid the RPA's of retained trees, and follow the proposed access road and driveways to the plots. If a service route cannot avoid the RPA of a retained tree, it should be installed in one of the following two ways, to avoid excavation with machinery in the RPA or precautionary area:
For short runs, the service trench will be carefully excavated by hand. Any roots over 25mm will be retained and protected by wrapping in damp Hessian. Any roots less than 25mm in diameter, which cannot be preserved, will be pruned cleanly with a sharp saw or secateurs or hand saw, by a suitably qualified person. Exposed roots will be covered with damp Hessian and sharp sand. Back fill is to be of excavated soil or an inert granular fill. For long runs, a trenchless installation method, such as directional drilling or impact moling, is to be used. Retrieval and access chambers should be located outside the RPA of the trees.
The works should comply with current safety practices for excavating trenches.

11 Site levels

- 11.1 There will be no change to the ground levels within the root protection areas of the retained trees.

12 Footings

- 12.1 A small section of a Plot 2 is within the root protection area (RPA) of a retained tree, the footings should adhere to the following in line with BS5837:2012. Any trench required for footings will be carefully excavated by hand. Any roots less than 25mm and over 5mm in diameter, which cannot be preserved, will be pruned cleanly with a sharp saw or secateurs or hand saw, by a suitably qualified person. Exposed roots will be covered with damp Hessian and sharp sand until the trench is back filled. All works must comply with current health and safety guidance for working in trenches.

13 New road within the root zone

- 13.1 The new hard surfacing will be designed by the engineer to comply with the following, within the RPA of the retained trees. There will be no excavation into the soil within the root protection area. No use of plant within the crown spread or root zone. The grass sward is to be removed by hand along with any rocks, debris or organic matter. Create a level surface by filling hollows with clean angular stone or sharp sand. A geotextile will be laid over the surface of the soil, at the existing level, over lapping joints by 300mm. A cellular subbase, of cellweb root protection system or similar, will be laid over the area. This will be at a depth as advised by an engineer. This will be filled with clean angular stones type 4/20 or 20/40, with no fines. Minimum 25mm over fill. This should not be tipped within the root area and should be spread from one end, by hand. Use a light roller to encourage settlement do not use a whacker plate. Excavations for kerbs should be avoided within the root zone. The edgings should be designed as for example wooden sleepers, kerb edges over the cellular confinement system, plastic or metal edgings. so that the roots are not damaged. The surface finish will be a porous allowing water and air to percolate through the joints. See figure 4 below.

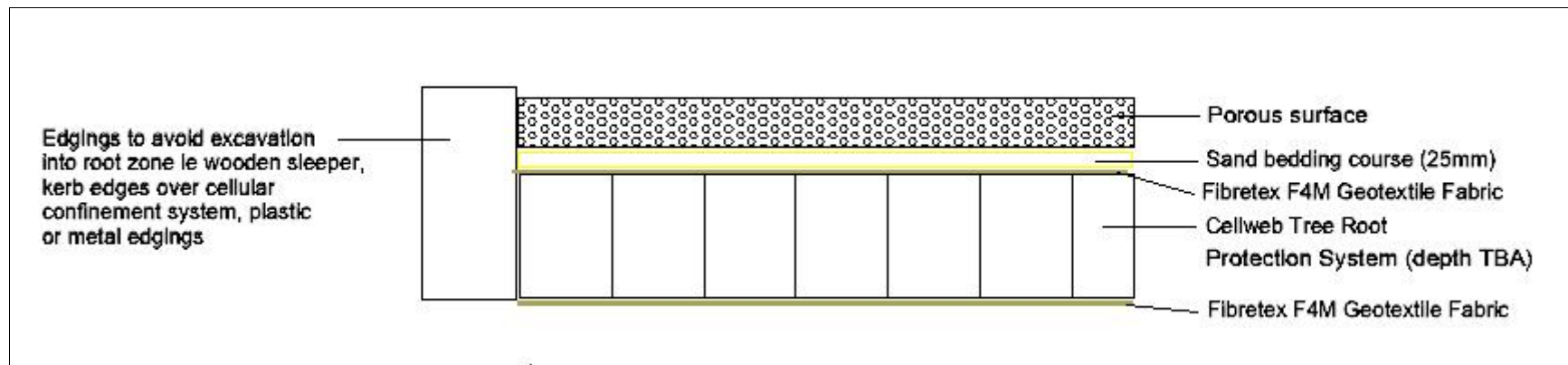


Fig 4 – generic sample cross section of no-dig road

14 Car Parking

14.1 there will be adequate space on the site for car parking for operatives on the site, outside of the exclusion zones around the trees.

15 General site care

- 15.1 No materials will be stored within 2m of the protective fencing.
No transferring of fuels will be permitted within 5m of the protective fencing.
No fires are permitted within 2m of the protective fencing.

Appendix 1 – Sample monitoring form

Sample Monitoring Report

Site –

Client –

Date of visit –

Inspector –

Inspections are to be carried out in line with the Arboricultural Method Statement requested and approved by the Local Planning Authorities Arboricultural Section.

Item inspected	Findings	Recommendations

Photographs

Date

Signed